



12228 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and Exploration

Cycle: 18, Proposal Category: GO

(Availability Mode: SUPPORTED)

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) HD32297	STIS/CCD	1	21-Aug-2012 21:03:21.0	yes
02	(1) HD32297	STIS/CCD	1	21-Aug-2012 21:03:33.0	yes
03	(12) PSF01A-HD32297-HD33403	STIS/CCD	1	21-Aug-2012 21:03:42.0	yes
04	(1) HD32297	STIS/CCD	1	21-Aug-2012 21:03:52.0	yes
05	(1) HD32297	STIS/CCD	1	21-Aug-2012 21:04:02.0	yes
06	(1) HD32297	STIS/CCD	1	21-Aug-2012 21:04:11.0	yes
07	(12) PSF01A-HD32297-HD33403	STIS/CCD	1	21-Aug-2012 21:04:19.0	yes
08	(1) HD32297	STIS/CCD	1	21-Aug-2012 21:04:28.0	yes
11	(2) HD181327	STIS/CCD	1	21-Aug-2012 21:04:40.0	yes
12	(2) HD181327	STIS/CCD	1	21-Aug-2012 21:04:54.0	yes
13	(13) PSF02A-HD181327-HD180134	STIS/CCD	1	21-Aug-2012 21:05:11.0	yes
14	(2) HD181327	STIS/CCD	1	21-Aug-2012 21:05:29.0	yes
15	(2) HD181327	STIS/CCD	1	21-Aug-2012 21:05:43.0	yes
16	(2) HD181327	STIS/CCD	1	21-Aug-2012 21:05:56.0	yes
17	(13) PSF02A-HD181327-HD180134	STIS/CCD	1	21-Aug-2012 21:06:12.0	yes
18	(2) HD181327	STIS/CCD	1	21-Aug-2012 21:06:26.0	yes
21	(3) HD107146	STIS/CCD	1	21-Aug-2012 21:06:39.0	yes
22	(3) HD107146	STIS/CCD	1	21-Aug-2012 21:06:51.0	yes
23	(14) PSF03A-HD107146-HD120066	STIS/CCD	1	21-Aug-2012 21:07:06.0	yes
24	(3) HD107146	STIS/CCD	1	21-Aug-2012 21:07:23.0	yes
25	(3) HD107146	STIS/CCD	1	21-Aug-2012 21:07:34.0	yes
26	(3) HD107146	STIS/CCD	1	21-Aug-2012 21:07:45.0	yes
27	(14) PSF03A-HD107146-HD120066	STIS/CCD	1	21-Aug-2012 21:08:00.0	yes

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28	(3) HD107146	STIS/CCD	1	21-Aug-2012 21:08:13.0	yes
31	(4) AU-MIC	STIS/CCD	1	21-Aug-2012 21:08:23.0	yes
32	(4) AU-MIC	STIS/CCD	1	21-Aug-2012 21:08:33.0	yes
33	(15) PSF04A-AUMIC-HD191849	STIS/CCD	1	21-Aug-2012 21:08:43.0	yes
34	(4) AU-MIC	STIS/CCD	1	21-Aug-2012 21:08:54.0	yes
35	(4) AU-MIC	STIS/CCD	1	21-Aug-2012 21:09:03.0	yes
36	(4) AU-MIC	STIS/CCD	1	21-Aug-2012 21:09:12.0	yes
37	(15) PSF04A-AUMIC-HD191849	STIS/CCD	1	21-Aug-2012 21:09:26.0	yes
38	(4) AU-MIC	STIS/CCD	1	21-Aug-2012 21:09:36.0	yes
41	(5) HD15115	STIS/CCD	1	21-Aug-2012 21:09:47.0	yes
42	(5) HD15115	STIS/CCD	1	21-Aug-2012 21:10:00.0	yes
43	(16) PSF05A-HD15115-HD16647	STIS/CCD	1	21-Aug-2012 21:10:15.0	yes
44	(5) HD15115	STIS/CCD	1	21-Aug-2012 21:10:29.0	yes
45	(5) HD15115	STIS/CCD	1	21-Aug-2012 21:10:42.0	yes
46	(5) HD15115	STIS/CCD	1	21-Aug-2012 21:10:55.0	yes
47	(16) PSF05A-HD15115-HD16647	STIS/CCD	1	21-Aug-2012 21:11:10.0	yes
48	(5) HD15115	STIS/CCD	1	21-Aug-2012 21:11:27.0	yes
51	(6) HD61005	STIS/CCD	1	21-Aug-2012 21:11:38.0	yes
52	(6) HD61005	STIS/CCD	1	21-Aug-2012 21:11:46.0	yes
53	(17) PSF06A-HD61005-HD56161	STIS/CCD	1	21-Aug-2012 21:11:57.0	yes
54	(6) HD61005	STIS/CCD	1	21-Aug-2012 21:12:06.0	yes
55	(6) HD61005	STIS/CCD	1	21-Aug-2012 21:12:15.0	yes
56	(6) HD61005	STIS/CCD	1	21-Aug-2012 21:12:24.0	yes
57	(17) PSF06A-HD61005-HD56161	STIS/CCD	1	21-Aug-2012 21:12:34.0	yes
58	(6) HD61005	STIS/CCD	1	21-Aug-2012 21:12:44.0	yes

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61	(7) HD92945	STIS/CCD	1	21-Aug-2012 21:12:54.0	yes
62	(7) HD92945	STIS/CCD	1	21-Aug-2012 21:13:04.0	yes
63	(18) PSF07A-HD92945-HD89585	STIS/CCD	1	21-Aug-2012 21:13:15.0	yes
64	(7) HD92945	STIS/CCD	1	21-Aug-2012 21:13:25.0	yes
65	(7) HD92945	STIS/CCD	1	21-Aug-2012 21:13:36.0	yes
66	(7) HD92945	STIS/CCD	1	21-Aug-2012 21:13:50.0	yes
67	(18) PSF07A-HD92945-HD89585	STIS/CCD	1	21-Aug-2012 21:14:01.0	yes
68	(7) HD92945	STIS/CCD	1	21-Aug-2012 21:14:11.0	yes
71	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:14:22.0	yes
72	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:14:33.0	yes
73	(19) PSF08-HD15745-HD16199	STIS/CCD	1	21-Aug-2012 21:14:43.0	yes
74	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:14:53.0	yes
75	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:15:03.0	yes
76	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:15:14.0	yes
77	(19) PSF08-HD15745-HD16199	STIS/CCD	1	21-Aug-2012 21:15:23.0	yes
78	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:15:33.0	yes
81	(9) HD53143	STIS/CCD	1	21-Aug-2012 21:15:47.0	yes
82	(9) HD53143	STIS/CCD	1	21-Aug-2012 21:16:05.0	yes
83	(20) PSF09A-HD53143-ALPHAPIC	STIS/CCD	1	21-Aug-2012 21:16:23.0	yes
84	(9) HD53143	STIS/CCD	1	21-Aug-2012 21:16:39.0	yes
85	(9) HD53143	STIS/CCD	1	21-Aug-2012 21:16:53.0	yes
86	(9) HD53143	STIS/CCD	1	21-Aug-2012 21:17:07.0	yes
87	(23) PSF09B-HD53143-HD59780	STIS/CCD	1	21-Aug-2012 21:17:23.0	yes
88	(9) HD53143	STIS/CCD	1	21-Aug-2012 21:17:42.0	yes
91	(10) HD139664	STIS/CCD	1	21-Aug-2012 21:17:56.0	yes

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92	(10) HD139664	STIS/CCD	1	21-Aug-2012 21:18:11.0	yes
93	(21) PSF10-HD139664-HD99453	STIS/CCD	1	21-Aug-2012 21:18:25.0	yes
94	(10) HD139664	STIS/CCD	1	21-Aug-2012 21:18:40.0	yes
95	(10) HD139664	STIS/CCD	1	21-Aug-2012 21:18:54.0	yes
96	(10) HD139664	STIS/CCD	1	21-Aug-2012 21:19:09.0	yes
97	(21) PSF10-HD139664-HD99453	STIS/CCD	1	21-Aug-2012 21:19:27.0	yes
98	(10) HD139664	STIS/CCD	1	21-Aug-2012 21:19:42.0	yes
A1	(11) PDS-66	STIS/CCD	1	21-Aug-2012 21:19:51.0	yes
A2	(11) PDS-66	STIS/CCD	1	21-Aug-2012 21:19:56.0	yes
A3	(22) PSF11-PDS66-CD-701017	STIS/CCD	1	21-Aug-2012 21:20:03.0	yes
A4	(11) PDS-66	STIS/CCD	1	21-Aug-2012 21:20:10.0	yes
A5	(11) PDS-66	STIS/CCD	1	21-Aug-2012 21:20:15.0	yes
A6	(11) PDS-66	STIS/CCD	1	21-Aug-2012 21:20:21.0	yes
A7	(22) PSF11-PDS66-CD-701017	STIS/CCD	1	21-Aug-2012 21:20:28.0	yes
A8	(11) PDS-66	STIS/CCD	1	21-Aug-2012 21:20:35.0	yes
B5	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:20:43.0	yes
B6	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:20:54.0	yes
B7	(24) PSF08B-HD15745-HD20499	STIS/CCD	1	21-Aug-2012 21:21:04.0	yes
B8	(8) HD15745	STIS/CCD	1	21-Aug-2012 21:21:14.0	yes

92 Total Orbits Used

ABSTRACT

We propose new visible-light observations of a well-selected sample of circumstellar (CS) debris disks, all with HST pedigree, using STIS PSF-subtracted multi-roll coronagraphic imaging. Our new observations will probe the interior CS regions of these debris systems (with inner working distances of < approximately 8 AU for half the stars in this sample), corresponding to the giant planet and Kuiper belt regions within our own solar system. These new images will enable us to directly inter-compare the architectures of these exoplanetary debris systems in the context of our own

Solar System. These observations will also permit us, for the first time, to characterize the material in these regions at high spatial resolution and to look for sub-structures within the disks that are the sign posts of planetary formation and evolution; in particular, asymmetries and non-uniform debris structures signal the presence of co-orbiting perturbing planets. Additionally, all of our objects have been observed previously at longer wavelengths (but much lower spatial resolution and imaging efficacy) with NICMOS, but with an inner working angle comparable to STIS multi-roll coronagraphy. The combination of new optical and existing near-IR imaging will strongly constrain the dust properties, thus enabling an assessment of grain processing and planetesimal populations. These results will directly inform upon the posited planet formation mechanisms that occur after the ~ 10 My epoch of gas depletion, at a time in our solar system when giant planets were migrating and the terrestrial planets were forming, and directly test theoretical models of these processes. The outer reaches (only) of most of these systems were previously observed with a much larger (~ 6x on average), spatially limiting, effective inner working angle of the ACS coronagraph. The previous ACS images are therefore completely inadequate to address our science goals of imaging the inner structures of these CS disks. Our proposed investigation, enabled ONLY with HST STIS visible-light coronagraphy, will uniquely probe into the interior regions of these systems for the first time with spatial resolution comparable to ACS and with augmenting NICMOS near-IR disk photometry in hand.

OBSERVING DESCRIPTION

VISITS AND EXPOSURE DETAILS

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Guide Star Acquisitions: We require pointing and roll control with 2-FGS guiding. Single-FGS guiding does not offer sufficient target position stability for coronagraphy.

Each visit (after its Guide Star acquisition) begins with a mode-2 target acquisition, is followed by a sequence of repetitive "short" exposures (by CR-SPLIT or exposure replication) at the WedgeA0.6 position followed by a sequence of repetitive "long" exposures (also by CR-SPLIT or exposure replication) at the Wedge A1.0 position. Exceptions to this are Visits 83 and 87 (Alpha Pic as PSF template. Due to Alpha Pic's brightness we use short, medium, and long imaging sequences (ordered to mitigate non-parallel buffer dumps), and also Visits A1-A8 where we use only a single imaging sequence at Wedge A0.6 due to the relative faintness of the target.

1) Target Acquisitions. We expose our TA images to a SNR > appx 100 using the STIS ETC. While robust target acquisition is enabled with SNR 40, we also use the TA images as a pre mode-2 astrometric anchor to assess the "behind the wedge" target position to high precision (separate from

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"diffraction spike" analysis, for which higher SNR for precision centroiding is required. We also use these F25ND3 filtered images to photometrically obtain target:PSF template brightness ratios in the broad STIS passband. The STIS Target Acquisition ETC was used to determine the exposure times for all acquisition images. In the case of Alpha Pic we use F25ND5 for the ACQ imaging due to its brightness.

2) The "short" exposure times are designed to reach 90% of full-well depth, with the target coronagraphically occulted, at the edge of the wedge 0.3" from the star. We scale, using the ETC, this from observations predicated upon an A0 star with $V = 3.55$ reach 90% full well from the PSF halo in 1 second based upon previous STIS coronagraphic observations allowing for up to as much of 1/2 pixel of possible target decentering in acquisition performance. We generally repeat these exposures to fill approx 35% of the target visibility interval (except for Visits A1-A8) after subtracting the time required for the preceding guide star and target acquisitions. In the case of Visits A1-A4 these exposures are quite long (comparitively) due to the relative faintness of this target and we fill the visibility period with these images (labelled as "FAINT").

3) Following the short exposures we execute a Type-2 slew (by a change in instrument aperture to Wedge1.0) for the "long" exposure imaging (except Visits A1-A8).

4) The "long" exposures when possible are 20 x longer than the "short" exposures - but truncated to $\geq 10x$ if required to not overfill a visibility period with a minimum of 3 repeats (by CR Splitting). These, usually, are repeated to fill the visibility period.

Note: In some cases, with a canonical F30 target visibility period filled, the observations will not find schedulability in the APT Visit Planner at some relative orientations (Orient From V##). In those cases we shorten the pre-CR Split exposure time on the "long" exposures, leaving typically a few tens of seconds (but sometimes more or less) so the visit can find a Cy 18 scheduling opportunity (so do NOT use "auto-fill").

Sub-Array Readouts. For most coronagraphic exposures we use subarray readouts (SIZEAXIS2) symmetrically centered on the target to fully read-out the region along the wedge (Axis2, image Y axis) to the edge of the FOV at the small end of the wedge taper, and symmetrically on the diametrically opposing side. For WedgeA1.0 the max SIZEAXIS2 (without displacing with an "unsupported" CENTERAXIS2) is 427 pixels. This implies that the A1.0 position is 10.82" from the edge of the FOV (whole sub-array centered on target symmetrically 21.65" along the wedge). For WedgeA0.6 is (without displacing with an "unsupported" CENTERAXIS2) is 137 pixels. This implies that the A0.6 position is 3.47" from the edge of the FOV (whole sub-array centered on target symmetrically 6.95" along the wedge).

VISIT LINKAGES (RELATIVE ORIENTATION CONSTRAINTS AND INTERLEAVED PSF OBSERVATIONS)

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We use 6 orbits to observe each science target. Along with every science target we observe a PSF template/calibration star using two orbits. Thus each science target and its unique PSF template consumes 8 orbits. We have 11 science targets, and 11 PSF template stars, for which a total of 88 orbits will be used.

Each science target and its matched PSF star is observed in two "sets" of four single-orbit visits (X1-X4 and X5-X8). Within each set, three visits are used to observe the science target (X1, X2, X4 [for the second set X5, X6, X8], and one (each) the PSF star [X3 and X7]. These four visits within each set must be executed in sequential, contiguous orbits (i.e., back to back with no interruptions except Earth occultation).

The three science target visits in each set are at different RELATIVE orientation of *NOMINALLY* -30, 0, and +30 degrees from nominal roll, with the second science target observation at nominal roll. The 3rd orbit (visit) in each 4-visit set is of the PSF template star paired with the science target. In general, the PSF template stars are generally very close in the sky to the science targets (within a few degrees). As a result we, anticipate that with scheduling of the second science orbit at nominal roll, the PSF calibration star will also be at or close to its nominal roll and usually these two orbits will have nearly the same celestial orientation angle. We do not levy that as a requirement (is a natural consequence of the "nearness" criteria and time linkage), but that is important for the stability of the PSF. In a few cases because of a lack of suitable PSF template stars (predicated on B-V color match, sufficient brightness, lack of duplicity or IR-excess indicative of dust) we had to look for template stars further away (e.g. Alpha Pic for HD 53143; Visits 81-88; in this case Alpha Pic is a CVZ target that aids in finding schedulability despite its greater distance from the target).

The second identical second set of four visits (X5-X8; but may be SLIGHTLY different due to variable lengths of target visibility periods as found by the Visit Planner) is executed, but at different relative orientations for each visit. Nominally, the first later "repeated" orbit (X05) should be scheduled at either a +90 deg or -90 deg relative orientation from the first (X01). We sometimes relax this with an allowable range to assist in scheduling. Note that APT 18.2 does not have the capability to specify allowable multiple (in this case two) relative orientations. So, here we advise our PC that although the parity of the first orbit in the second set's (X5) relative orientation was found schedulable by APT, if for some reason it turns out not to be, our PC may freely change the sign of this relative offset range from positive to negative (or vice versa). In doing so the signs on the relative orientations (and ranges if any) on the Visit X6 and X8 Orient Froms must also be changed in concert. Either positive or negative Orient From of appx |90| are acceptable on Visit X5, with corresponding sign changes on Visits X6 and X8.

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In many cases we could not find schedulability for all visits in the 8-visit link-sets with the ideal Orient From and required sequential orbit (visit) timing linkages (X01-X04 and X05-X08). In those cases we (laboriously) "relaxed" the Orient Froms within acceptable limits (for science reasons) to find schedulabilities (iteratively with multiple trials to find one permutation at least that would both "work" (schedule) and is acceptable for our science goals). This varies on a target by target and visit by visit basis. If guide stars (or other issues) preclude scheduling these visits as specified (as informed by our PC) we could look to modifying these Orient From requirements or, in some cases, suggest an alternate PSF star.

Generic Single-Orbit per visit link-set structure with Nominal "Orient Froms" is as below:

X1: Target Star. Orient from X2 by -30 to -30 deg

X2: Target Star. Roll unconstrained. After X1 by 0.5 to 1.5 Orbits

X3: Neaby PSF-Star. Roll Unconstrained. After X2 by 0.5 to 1.5 Orbits

X4: Target Star: Orient from X2 by +30 to +30 deg. After X3 by 0.5 to 1.5 Orbits

X5: Target Star. Orient from X1 by +90 to +90 deg (or -90 deg to -90 deg). No time constraint.

X6: Target Star. Orient from X5 by +30 deg to +30 deg*. After X5 by 0.5 to 1.5 Orbits

X7: Neaby PSF-Star. Roll Unconstrained. After X6 by 0.5 to 1.5 Orbits

X8: Target Star: Orient from X2 by +60 to +60 deg*. After X7 by 0.5 to 1.5 Orbits

* If sign change on X5 Orient From , signs must change on X7 and X8 Orient Froms as well.

As noted in some cases these ideal angles are not schedulable, hence some deviations from these will be seen on a target by target and Visit by Visit basis.

PSF TEMPLATE STARS (Targets 11 - 22)

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Each science target has a carefully selected "matched" PSF template star to be observed interleaved in each of the linked-visit sets as the third and seventh visit in each link-set. PSF star selection was the result of a careful vetting and down-selection process, leaving in many cases a vanishingly small set of "best" stars for any particular target WITH schedulability as required. In the event of scheduling difficulties (e.g., guide star selections) if

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any visit (and thus the link-set) becomes unschedulable due to the PSF star, in SOME cases we can suggest an alternate - but in general we would look to further "relaxing" Orient From or other requirements that may be constraining that.

We name our PSF stars somewhat unconventionally as: PSF##-targetname-psfname. This readily helps identify immediately which PSF star is paired with which science target.

In all cases we select PSF stars that are matched in color, B-V within 0.1 of its corresponding science target and, with only one exception, (by +0.5 mag) at least as bright as its science target. PSF stars, to the extent possible, have been vetted against binarity, field-crowding, and/or nebulosity (including known light-scattering CS dust of their own). PSF stars are usually constrained to be $\sim < 5$ deg from their science targets to minimize differences in contemporaneous observations in Sun and Beta angles that can drive OTA breathing mode (phase) changes. We have been forced to relax this in some targets due to lack of sufficient candidates and/or unschedulability. Summary selection notes are provided for each PSF star in the APT file.

COMMENTS ADDED MARCH 2, 2011

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We are replacing the PSF template star originally programmed for Visit 87 with HD 59780. This star is 4.82 deg away from our original template (+3.26 deg in declination @ -58.07 deg and so still falls within the limits of the CZV though we do not ask for CVZ scheduling but we expect should "schedule in place" of the original template, or nearly so).

With this target substitution, at the Visit level, we have retained all relative orient linkages between visits (81,82,84 [already executed]) and (85, 86, 88) to be executed along with the visit 81-88 temporal linkages to assure "back-to-back" sequential scheduling of the single-orbit visits 85-88. We impose NO relative orientation constraints on Visit 87 (replacement PSF template observation), though we change the exposure sequence details within the visit. We also alter the exposure definition for Visit 85, as the previously defined "back end" exposures needed for the science target with the previous (Visit 87) PSF template are no longer needed. We also take the opportunity to correct a few typos in exposure level descriptive commentary (only) in Visits 86 and 88.

N.B. The B-V listed in the Fixed target definition for HD53143 as +0.20 is **incorrect** and should instead be +0.80; however, this is uneditable in APT as visits 81,82 and 84 have already executed. The correct value of +0.80 was used in selecting a replacement PSF calibration star (HD53143) used in Visit 87 (and was the basis for the need for a change in PSF template star).

REAL TIME JUSTIFICATION

We have no real-time requirements.

CALIBRATION JUSTIFICATION

We ask for no SPECIAL calibrations for this proposal (and called none out in Phase 1). We did not because we ASSUME that STScI will acquire GAIN=4 (supported mode) bias, DARK, and flat-field frames (and derived hot/bad pixel maps) as part of their Cycle 18 calibration plan in support of approved Cycle 18 science programs. If this is NOT the case then we must obtain GAIN=4 calibration reference bias/dark data as part of our program using NON-POINTED (internal) orbits only. Our CS has advised us that the Cycle 18 calibration plan will not be built until AFTER the Phase 2 submission deadline. If that plan does not include acquiring for broader purposes the reference data we need, then we will need to add those internal calibrations to this program AFTER the Phase 2 deadline.

ADDITIONAL COMMENTS

Our thanks to Karla Peterson for her suggestions vis-a-vis APT 18.2 multi-roll constrained scheduling.

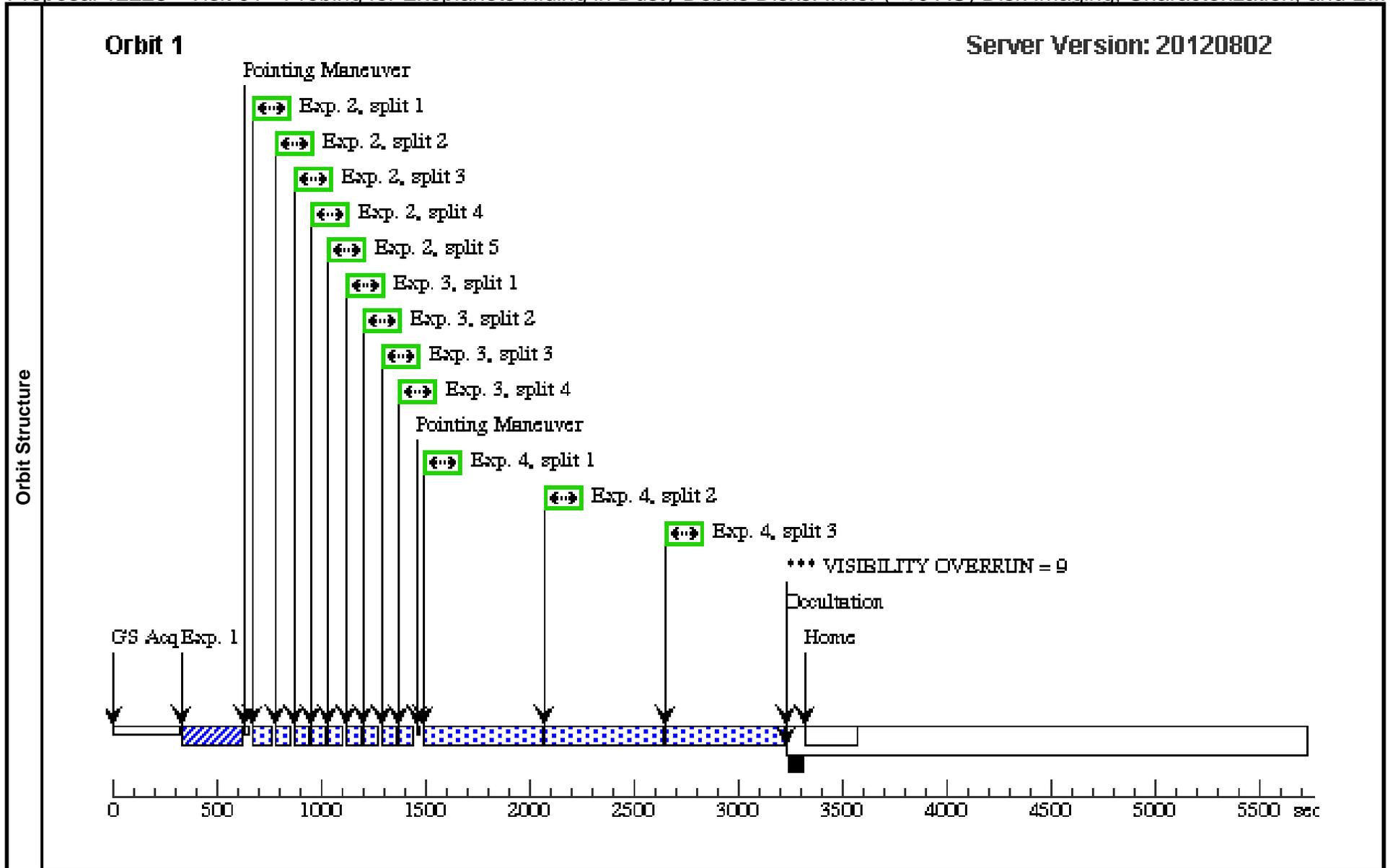
Proposal 12228 - Visit 01 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:21:34 GMT 2012

Visit	<p>Proposal 12228, Visit 01, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -30D TO -20D FROM 02</p> <p><i>Comments: HD32297 (V=8.13, B-V = +0.02).</i></p> <p><i>First of two sets of visits, each containing three visits of HD32297 at different relative orientations with one PSF calibration observation interleaved. This is the first HD32297 visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (01) at -30 deg from Visit 02, with the absolute orientation of Visit 02 unconstrained.</i></p> <p><i>To aid in scheduling we allow an Orient from Roll Range of -30 to -20 deg from Visit 02, but if possible we would prefer as close to -30 degrees as possible.</i></p> <p><i>Relative Timing: This visit (01) should immediately precede visit (02). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>					
	<p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 01) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HD32297 Alt Name1: HIP23451 Alt Name2: GSC00110-0042	RA: 05 02 27.4366 (75.6143192d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000	Proper Motion RA: 6.67 mas/yr Proper Motion Dec: -23.32 mas/yr Epoch of Position: 2000	V=8.13 B-V = + 0.02	Reference Frame: ICRS
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: AOV</i></p>						

Proposal 12228 - Visit 01 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

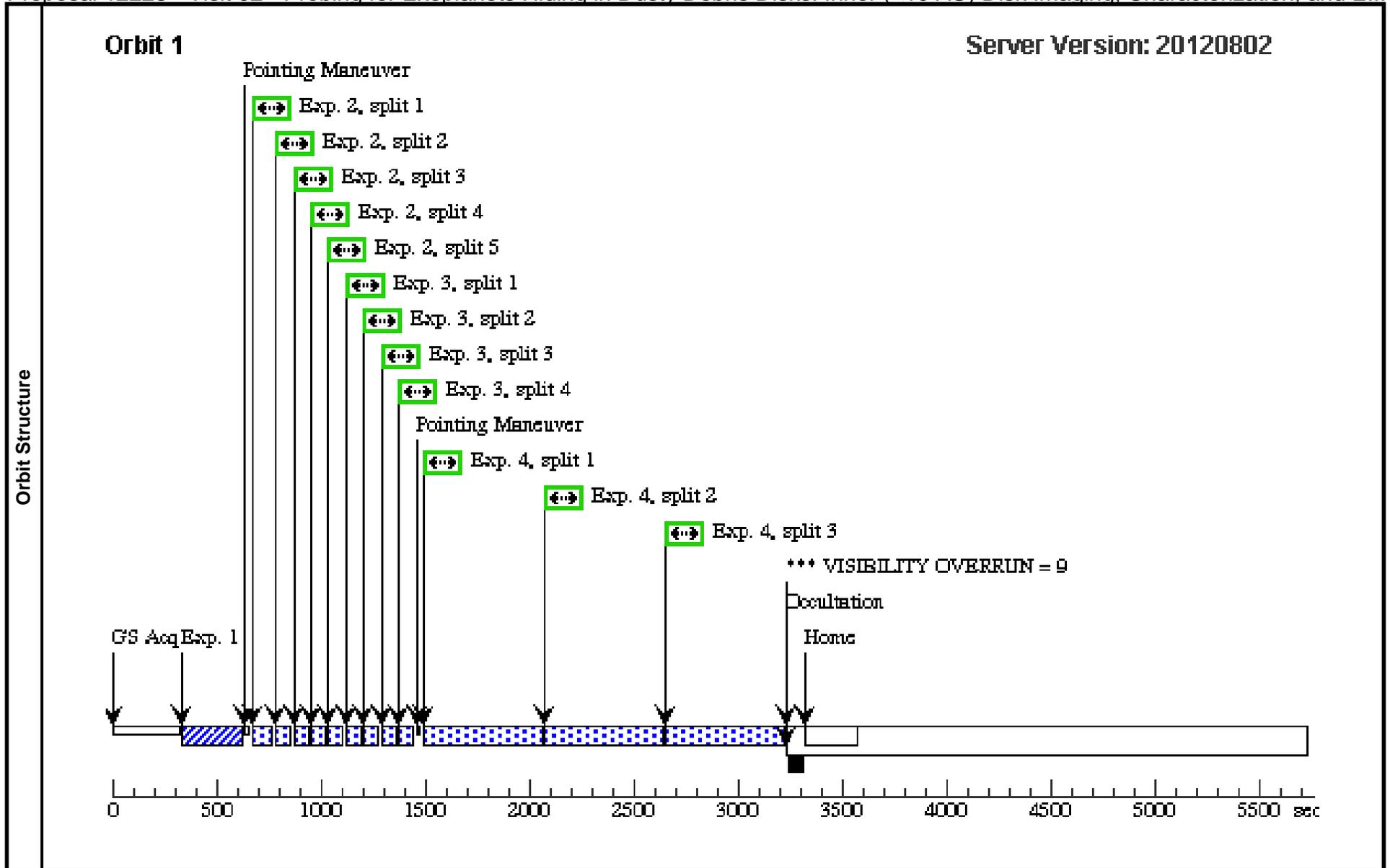
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD32297_A (1) HD32297 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.80 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 8.13, sp = A0V, Exptime rounded to nearest 0.1 second</i>								
	2	HD32297_S (1) HD32297 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=5; GAIN=4			306 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
Exposures	3	HD32297_S (1) HD32297 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			245 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
	4	HD32297_L (1) HD32297 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1654 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>								



Visit	<p>Proposal 12228, Visit 02, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 01 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD32297 (V=8.13, B-V = +0.02).</i></p> <p><i>First of two sets of visits, each containing three visits of HD32297 at different relative orientations with one PSF calibration observation interleaved. This is the second HD32297 visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: There are no orientation constraints on this visit (02). TVisits 01, 03, 04, 05, and 08 carry relative orientation constraints w.r.t. this visit.</i></p> <p><i>Relative Timing: This visit (02) should immediately follow Visit 01 and immediately precede Visit 03 in back-to-back orbits.</i></p>					
	<p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 02) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 02) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HD32297	RA: 05 02 27.4366 (75.6143192d)	Proper Motion RA: 6.67 mas/yr	V=8.13	Reference Frame: ICRS
		Alt Name1: HIP23451	Dec: +07 27 39.68 (7.46102d)	Proper Motion Dec: -23.32 mas/yr	B-V = + 0.02	
		Alt Name2: GSC00110-0042	Equinox: J2000	Epoch of Position: 2000		
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: AOV</i></p>					

Proposal 12228 - Visit 02 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD32297_A (1) HD32297 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.80 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 8.13, sp = A0V, Exptime rounded to nearest 0.1 second</i>								
	2	HD32297_S (1) HD32297 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=5; GAIN=4			306 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>								
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i>									
Exposures	3	HD32297_S (1) HD32297 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			245 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i>								
Exposures	4	HD32297_L (1) HD32297 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1654 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i>								



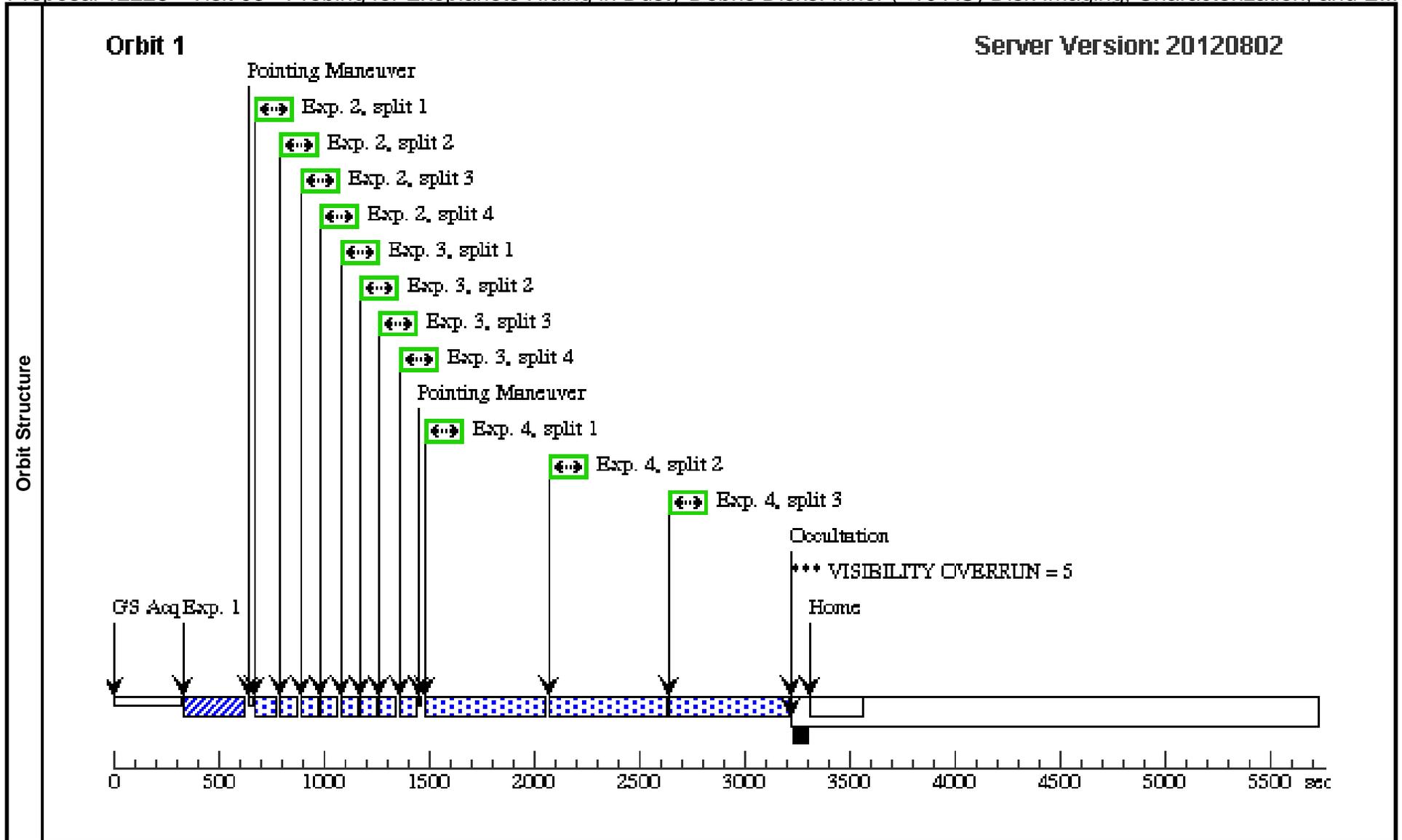
Proposal 12228 - Visit 03 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:21:54 GMT 2012

Visit	<p>Proposal 12228, Visit 03, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 02 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF01A (HD33403). PSF calibration target for HD32297. V = 8.31. B-V = +0.01.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (01-04). We levy no orientation constraints on this visit (03). However, we choose this target very close in the sky to its paired science target. So as Visits 02 and 03 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 02 will be) the we expect absolute orientations of Visits 02 and 03 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (03) should immediately follow visit 02 and immediately precede visit 04. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																
	<p>(Visit 03) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 03) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 03) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																
Diagnosics																	
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>PSF01A-HD32297- HD33403</td> <td>RA: 05 10 4.9153 (77.5204804d) Dec: +02 56 9.35 (2.93593d)</td> <td>Proper Motion RA: -2.96 mas/yr Proper Motion Dec: -1.60 mas/yr Parallax: 0.00254" Epoch of Position: 2000</td> <td>V=8.31 B-V = +0.01</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Spec. B9V</i></p> <p><i>USNO-2: R=14 @ r = 0.74'; 6 stars R=14.0-19.5 @ 0.53' < r < 0.76'</i></p> <p><i>No HST Pedigree. No ref. as binary. Hipparcos photometry not available.</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(12)	PSF01A-HD32297- HD33403	RA: 05 10 4.9153 (77.5204804d) Dec: +02 56 9.35 (2.93593d)	Proper Motion RA: -2.96 mas/yr Proper Motion Dec: -1.60 mas/yr Parallax: 0.00254" Epoch of Position: 2000	V=8.31 B-V = +0.01	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(12)	PSF01A-HD32297- HD33403	RA: 05 10 4.9153 (77.5204804d) Dec: +02 56 9.35 (2.93593d)	Proper Motion RA: -2.96 mas/yr Proper Motion Dec: -1.60 mas/yr Parallax: 0.00254" Epoch of Position: 2000	V=8.31 B-V = +0.01	Reference Frame: ICRS												

Proposal 12228 - Visit 03 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF01A_A CQ	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACQ, F25ND3	MIRROR			1.0 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 8.31, sp = B9V, Exptime rounded to nearest 0.1 second</i>								
	2	PSF01A_SH ORTS_1	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4		288 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 8.31 so saturation in 80.2s. So 90% full well in appx 72s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	PSF01A_SH ORTS_2	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4		288 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF01A_L ONG	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1648 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>									



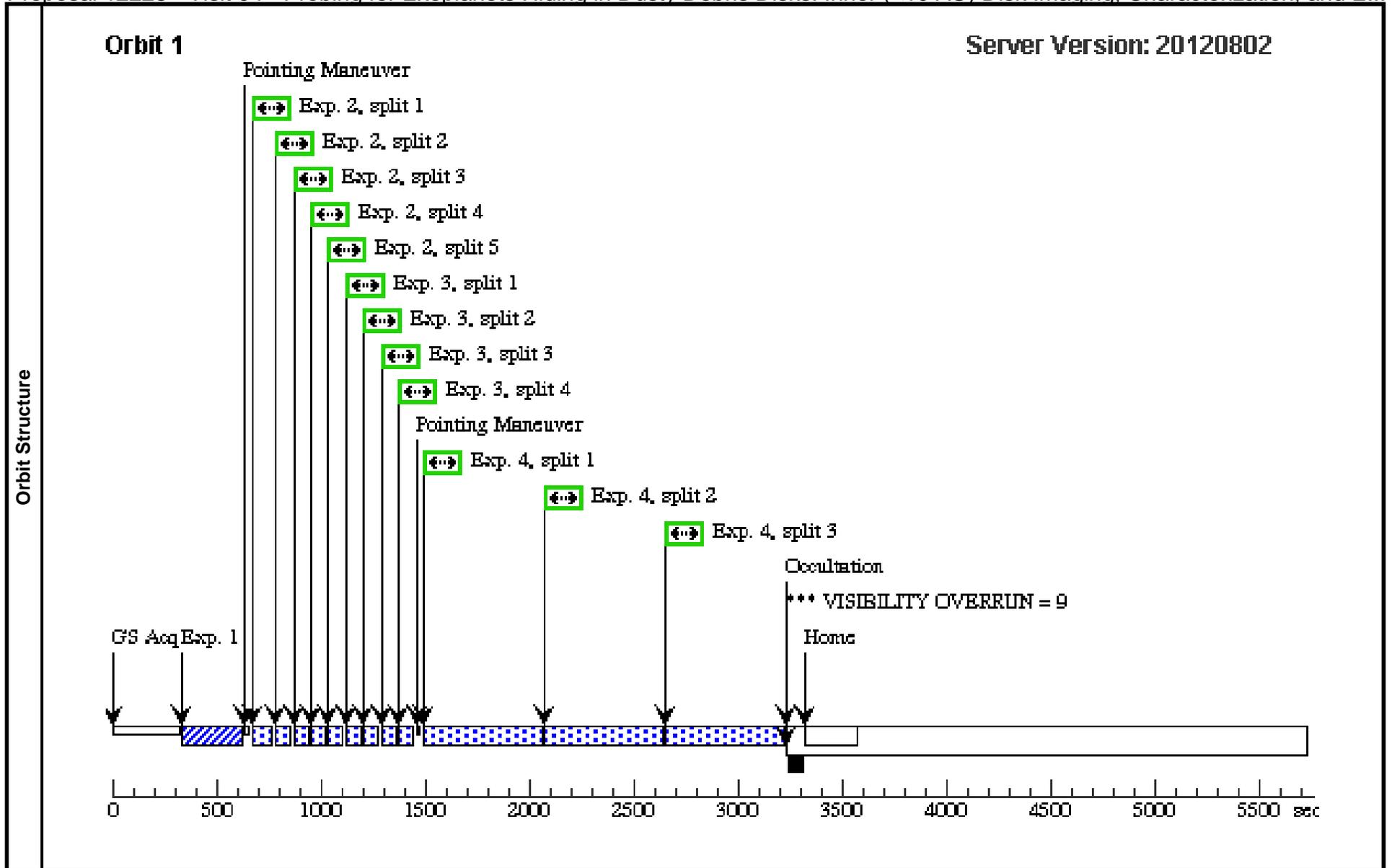
Proposal 12228 - Visit 04 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:22:01 GMT 2012

Visit	<p>Proposal 12228, Visit 04, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 20D TO 30D FROM 02; AFTER 03 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD32297 (V=8.13, B-V = +0.02).</i></p> <p><i>First of two sets of visits, each containing three visits of HD32297 at different relative orientations with one PSF calibration observation interleaved. This is the third HD32297 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (04) at +30 deg from Visit 02, with the absolute orientation of Visit 02 unconstrained. To aid in scheduling we allow an Orient from Roll Range of +20 to +30 deg from Visit 02 If possible we would prefer as close to +30 degrees as can be scheduled.</i></p> <p><i>Relative Timing: This visit (04) should immediately follow Visit 03. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>					
	<p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 04) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HD32297 Alt Name1: HIP23451 Alt Name2: GSC00110-0042	RA: 05 02 27.4366 (75.6143192d) Dec: +07 27 39.68 (7.46102d) Equinox: J2000	Proper Motion RA: 6.67 mas/yr Proper Motion Dec: -23.32 mas/yr Epoch of Position: 2000	V=8.13 B-V = + 0.02	Reference Frame: ICRS
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: AOV</i></p>						

Proposal 12228 - Visit 04 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD32297_A CQ	(1) HD32297	STIS/CCD, ACQ, F25ND3	MIRROR			0.80 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 8.13, sp = A0V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD32297_S HORTS_1	(1) HD32297	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=5; GAIN=4		306 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
Exposures	3	HD32297_S HORTS_2	(1) HD32297	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4		245 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
	4	HD32297_L ONG	(1) HD32297	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1654 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>								



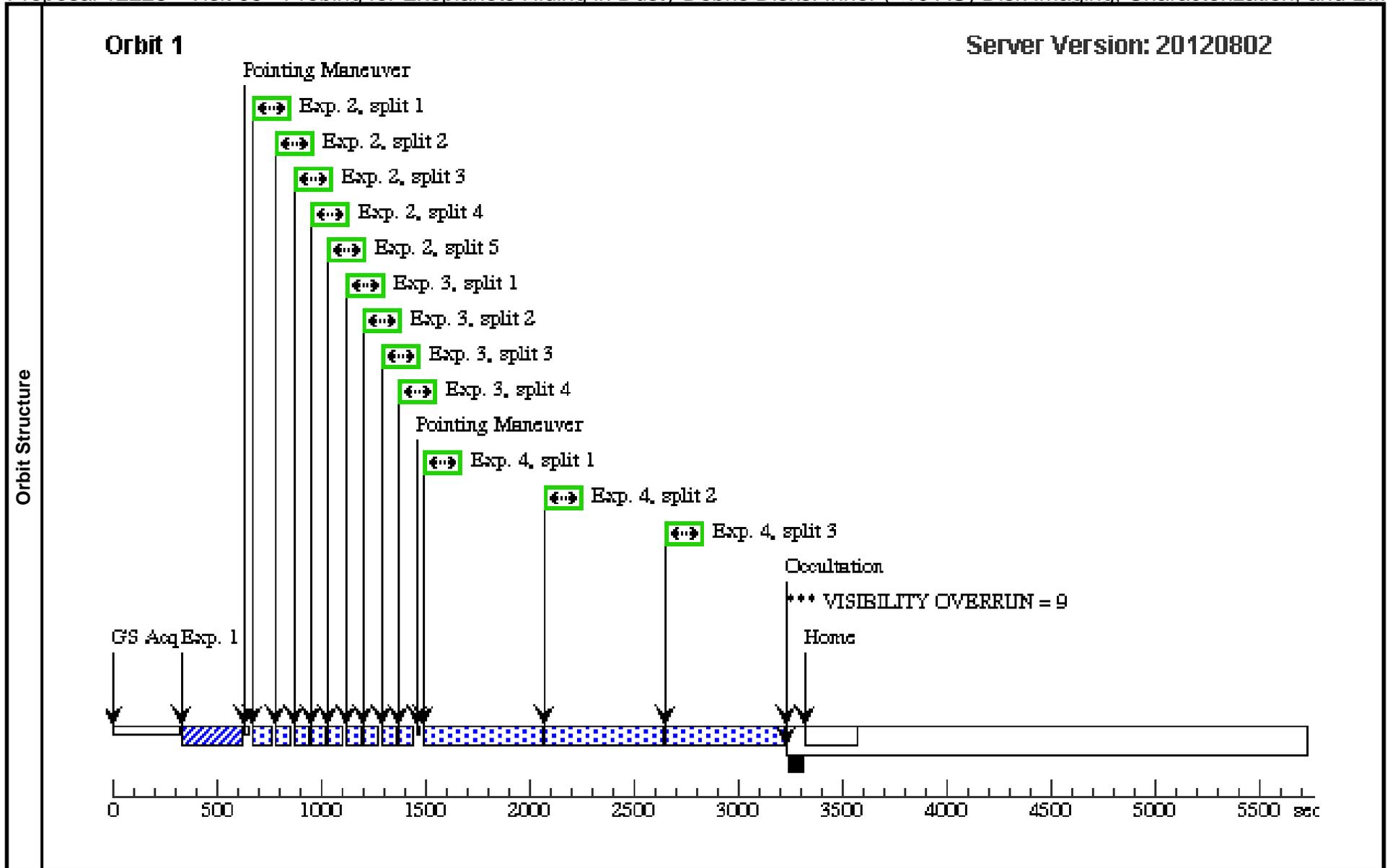
Proposal 12228 - Visit 05 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:22:11 GMT 2012

Visit	<p>Proposal 12228, Visit 05, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 70D TO 110D FROM 01</p> <p><i>Comments: HD32297 (V=8.13, B-V = +0.02).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD32297 at different relative orientations with one PSF calibration observation interleaved. This is the first HD32297 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (05) at EITHER -90 deg OR +90 deg from Visit 01. Either is equally acceptable, but there is no way to specify this via APT 18.2, so we arbitrarily specify an acceptable Orinet From in the positive range (because it worked) of +70 to +110 deg (to aid in schedulability and acceptable to our needs). If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable she may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit 01</i></p> <p><i>Schedule in orbit immediately before Visit 06.</i></p>																													
	<p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 05) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 05) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 05) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																													
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Proposal 12228 - Visit 05 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD32297_A CQ	(1) HD32297	STIS/CCD, ACQ, F25ND3	MIRROR			0.80 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 8.13, sp = A0V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD32297_S HORTS_1	(1) HD32297	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=5; GAIN=4		306 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
Exposures	3	HD32297_S HORTS_2	(1) HD32297	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4		245 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
	4	HD32297_L ONG	(1) HD32297	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1654 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>								



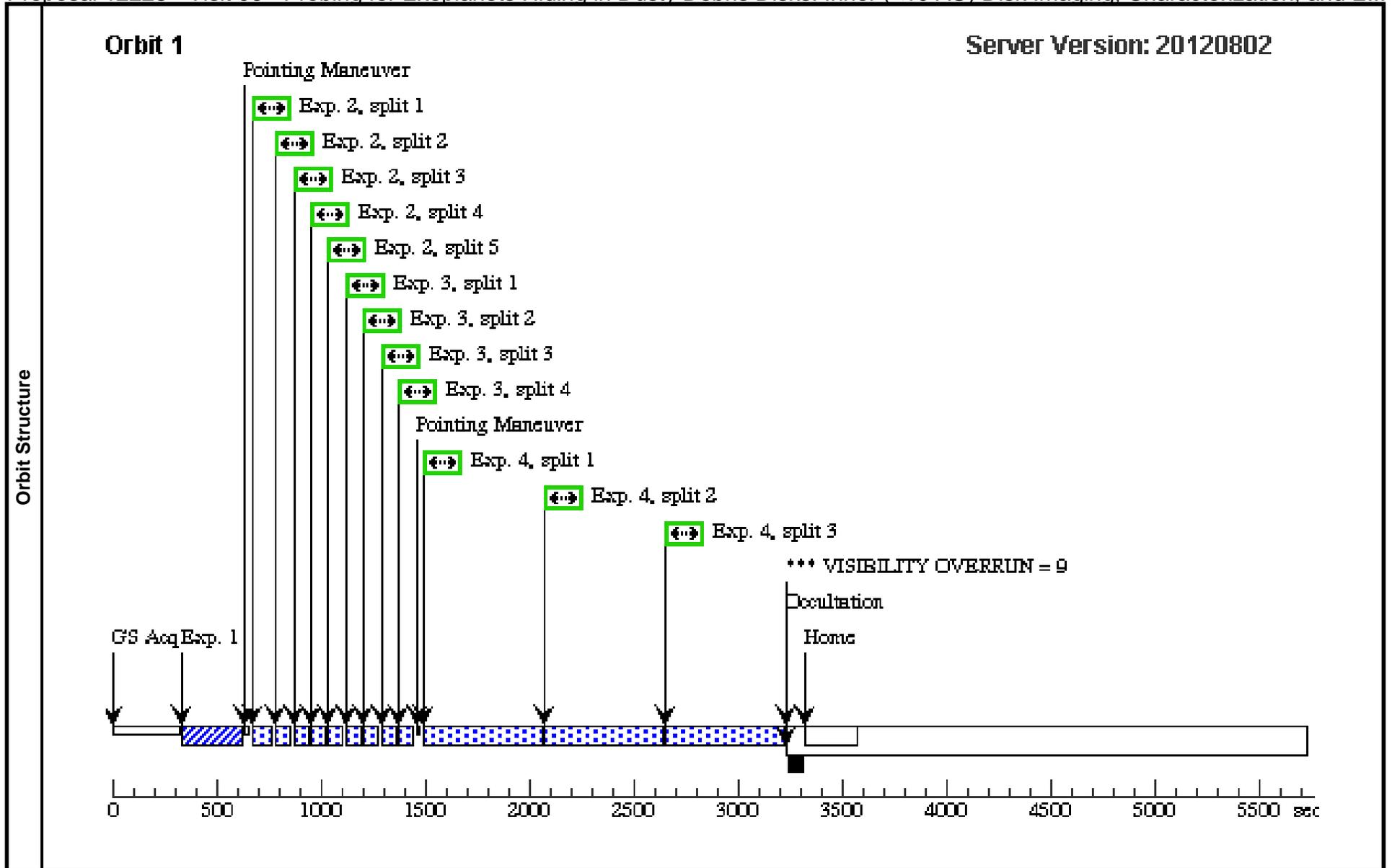
Proposal 12228 - Visit 06 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:22:21 GMT 2012

Visit	<p>Proposal 12228, Visit 06, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 30D TO 30D FROM 05; AFTER 05 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD32297 (V=8.13, B-V = +0.02).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD32297 at different relative orientations with one PSF calibration observation interleaved. This is the second HD32297 visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (06) at +30 deg from Visit 05. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (06) should immediately follow visit 05 and immediately precede visit 07. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																												
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Proposal 12228 - Visit 06 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD32297_A CQ	(1) HD32297	STIS/CCD, ACQ, F25ND3	MIRROR			0.80 Secs [==>]	[1]	
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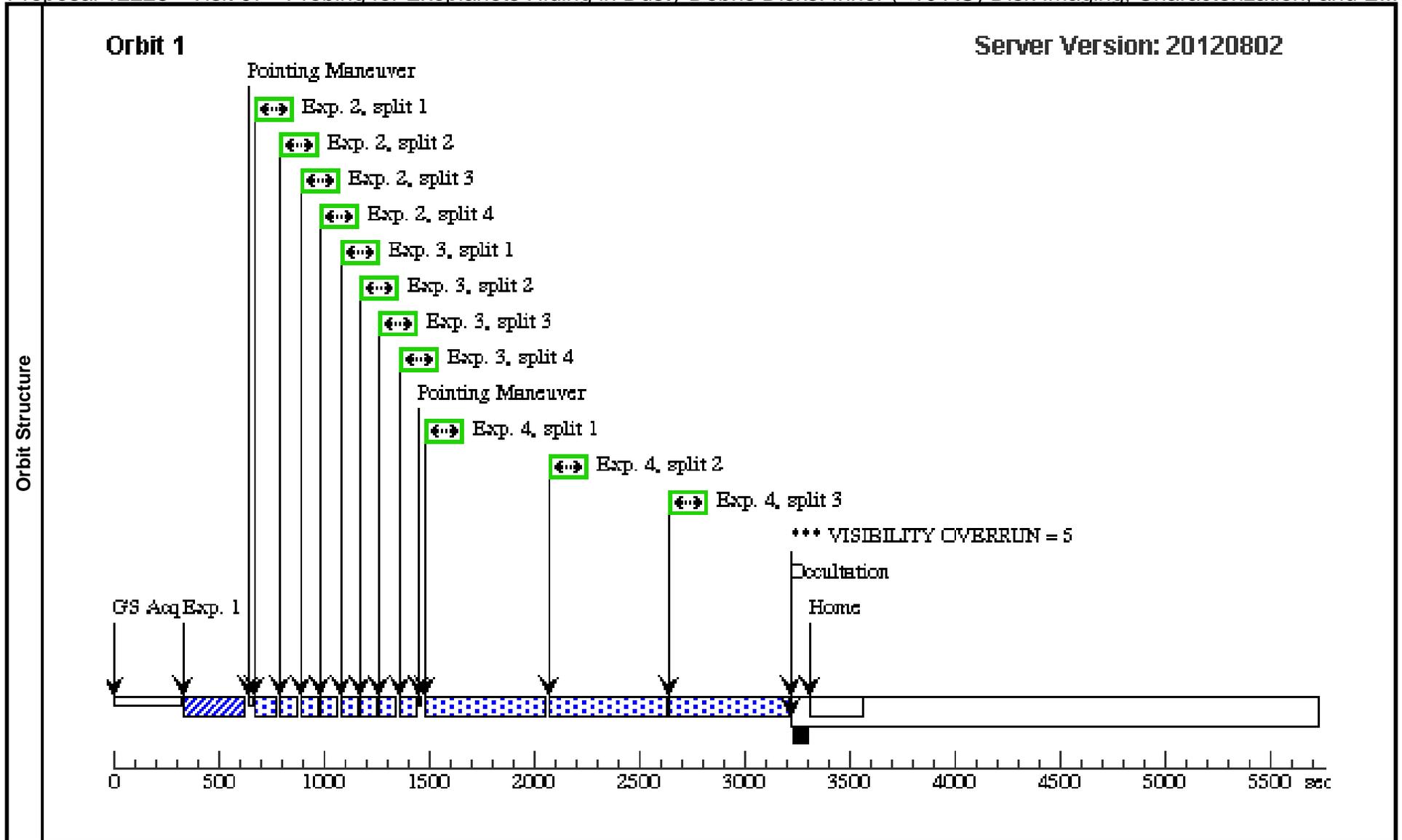
Proposal 12228 - Visit 07 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:22:31 GMT 2012

Visit	<p>Proposal 12228, Visit 07, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 06 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF01A (HD33403). PSF calibration target for HD32297. V = 8.31. B-V = +0.01.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (05-08). We levy no orientation constraints on this visit (07). However, we choose this target very close in the sky to its paired science target. So as Visits 06 and 07 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 06 will be) the we expect absolute orientations of Visits 06 and 07 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (07) should immediately follow visit 06 and immediately precede visit 08. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																												
	<p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 07) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 07) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 07) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																												
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>PSF01A-HD32297- HD33403</td> <td>RA: 05 10 4.9153 (77.5204804d) Dec: +02 56 9.35 (2.93593d)</td> <td>Proper Motion RA: -2.96 mas/yr Proper Motion Dec: -1.60 mas/yr</td> <td>V=8.31 B-V = +0.01</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP24048</td> <td>Equinox: J2000</td> <td>Parallax: 0.00254"</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC00103-00634</td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: Spec. B9V</i></p> <p><i>USNO-2: R=14 @ r = 0.74'; 6 stars R=14.0-19.5 @ 0.53' < r < 0.76'</i></p> <p><i>No HST Pedigree. No ref. as binary. Hipparcos photometry not available.</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(12)	PSF01A-HD32297- HD33403	RA: 05 10 4.9153 (77.5204804d) Dec: +02 56 9.35 (2.93593d)	Proper Motion RA: -2.96 mas/yr Proper Motion Dec: -1.60 mas/yr	V=8.31 B-V = +0.01	Reference Frame: ICRS		Alt Name1: HIP24048	Equinox: J2000	Parallax: 0.00254"				Alt Name2: GSC00103-00634		Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
(12)	PSF01A-HD32297- HD33403	RA: 05 10 4.9153 (77.5204804d) Dec: +02 56 9.35 (2.93593d)	Proper Motion RA: -2.96 mas/yr Proper Motion Dec: -1.60 mas/yr	V=8.31 B-V = +0.01	Reference Frame: ICRS																								
	Alt Name1: HIP24048	Equinox: J2000	Parallax: 0.00254"																										
	Alt Name2: GSC00103-00634		Epoch of Position: 2000																										

Proposal 12228 - Visit 07 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PSF01A_A CQ	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACQ, F25ND3	MIRROR			1.0 Secs [==>]	[1]	
	<p><i>Comments: SNR = 100, V = 8.31, sp = B9V, Exptime rounded to nearest 0.1 second</i></p>									
	2	PSF01A_SH ORTS_1	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			288 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 8.31 so saturation in 80.2s. So 90% full well in appx 72s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
Exposures	3	PSF01A_SH ORTS_2	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4		288 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
	4	PSF01A_L ONG	(12) PSF01A-HD322 97-HD33403	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1648 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



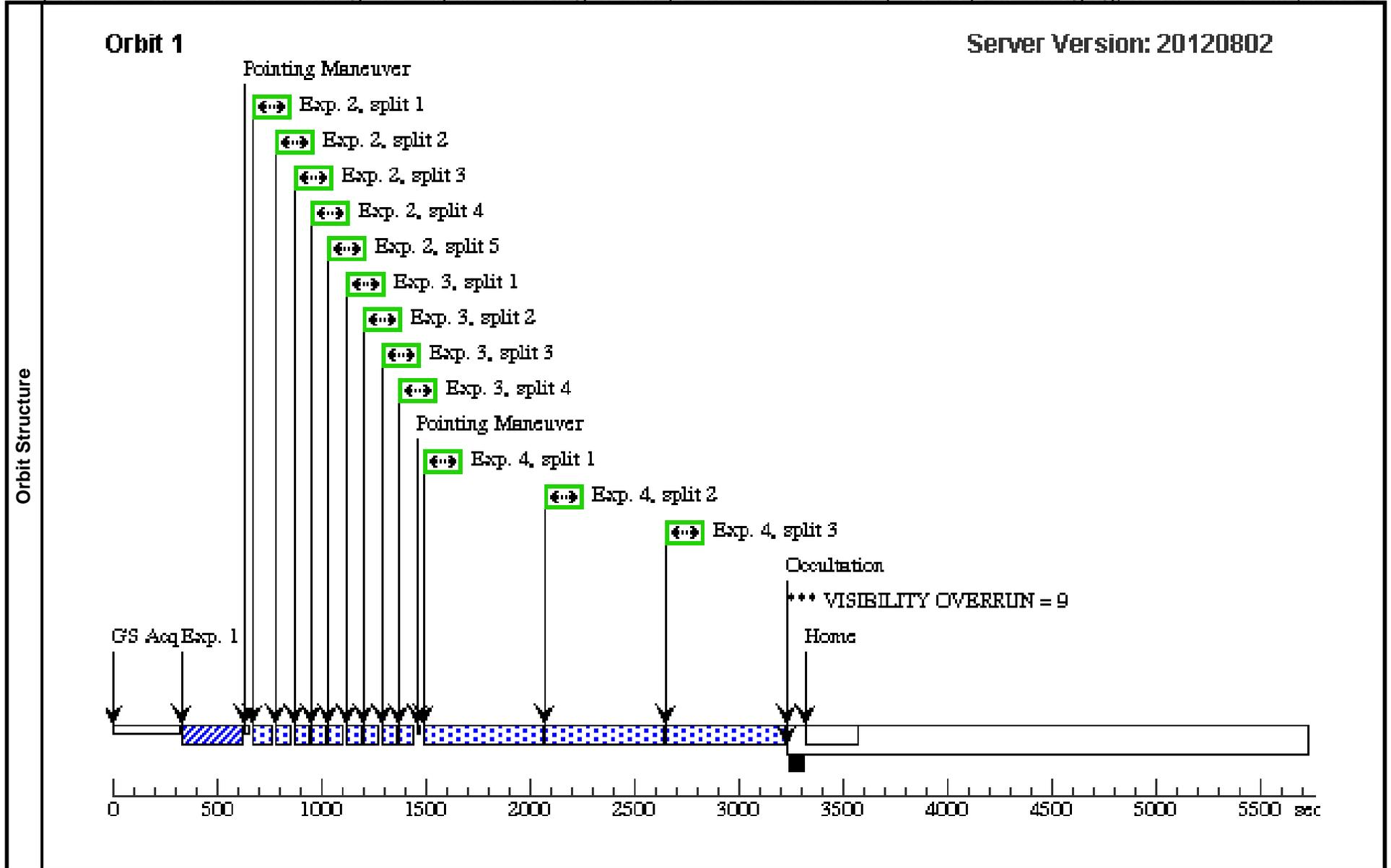
Proposal 12228 - Visit 08 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:22:38 GMT 2012

Visit	<p>Proposal 12228, Visit 08, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 59.5D TO 60D FROM 05; AFTER 07 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD32297 (V=8.13, B-V = +0.02).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD32297 at different relative orientations with one PSF calibration observation interleaved. This is the third HD32297 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (08) at +60 deg from Visit 05. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (08) should immediately follow Visit 07. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																												
	<p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 08) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																												
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
(1)	HD32297	RA: 05 02 27.4366 (75.6143192d)	Proper Motion RA: 6.67 mas/yr	V=8.13	Reference Frame: ICRS																								
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	Alt Name2: GSC00110-0042	Equinox: J2000	Epoch of Position: 2000																										
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: AOV</i></p>																													

Proposal 12228 - Visit 08 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD32297_A (1) HD32297 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.80 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 8.13, sp = A0V, Exptime rounded to nearest 0.1 second</i>								
	2	HD32297_S (1) HD32297 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=5; GAIN=4			306 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
Exposures	3	HD32297_S (1) HD32297 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			245 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 61.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
	4	HD32297_L (1) HD32297 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1654 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 32297 is V = 8.13 so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>								



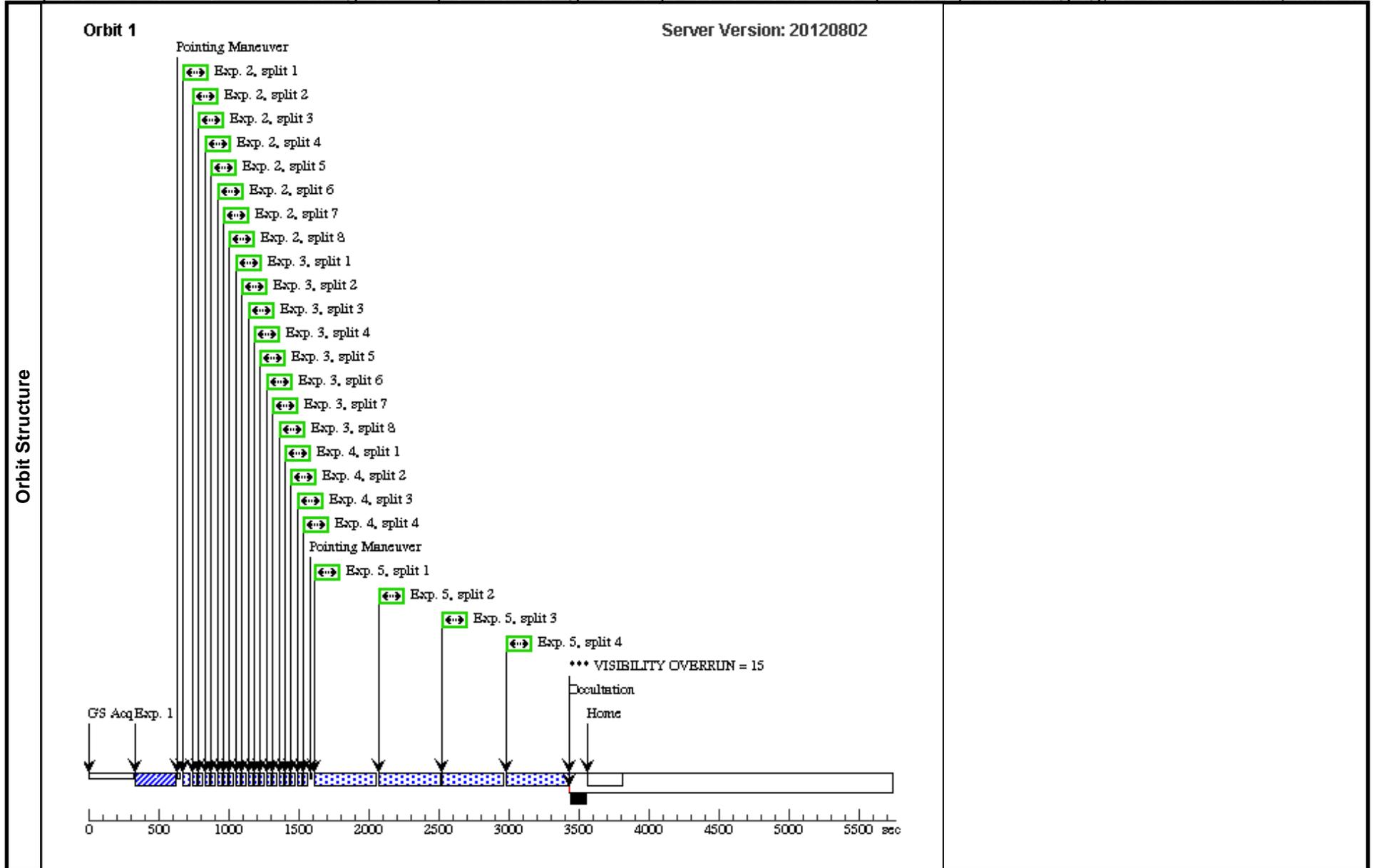
Visit	<p>Proposal 12228, Visit 11, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -30D TO -20D FROM 12</p> <p><i>Comments: HD181327 (V=7.03, B-V = +0.48). First of two sets of visits, each containing three visits of HD181327 at different relative orientations with one PSF calibration observation interleaved. This is the first HD181327 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (11) at -30 deg from Visit 12, with the absolute orientation of Visit 12 unconstrained. To aid in scheduling we allow an Orient from Roll Range of -30 to -20 deg from Visit 12, but if possible we would prefer as close to -30 degrees as can be scheduled.</i></p> <p><i>Relative Timing: This visit (11) should immediately precede visit (12). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>						
	Diagnostics	<p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 11) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 11) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(2)	HD181327	RA: 19 22 58.9429 (290.7455954d)	Proper Motion RA: 23.84 mas/yr	V=7.03	Reference Frame: ICRS
			Alt Name1: HIP95270	Dec: -54 32 16.97 (-54.53805d)	Proper Motion Dec: -81.77 mas/yr	B-V = + 0.48	
			Alt Name2: GSC08765-00638	Equinox: J2000	Parallax: 0.01977" Epoch of Position: 2000		
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: F6V</i></p>							

Proposal 12228 - Visit 11 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD181327_ (2) HD181327 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.03, sp = F6V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD181327_ (2) HD181327 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
Exposures	3	HD181327_ (2) HD181327 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
	4	HD181327_ (2) HD181327 SHORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			87.7 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (2x) with CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								

Proposal 12228 - Visit 11 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD181327_ (2) HD181327 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1708 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V = 7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20\times$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

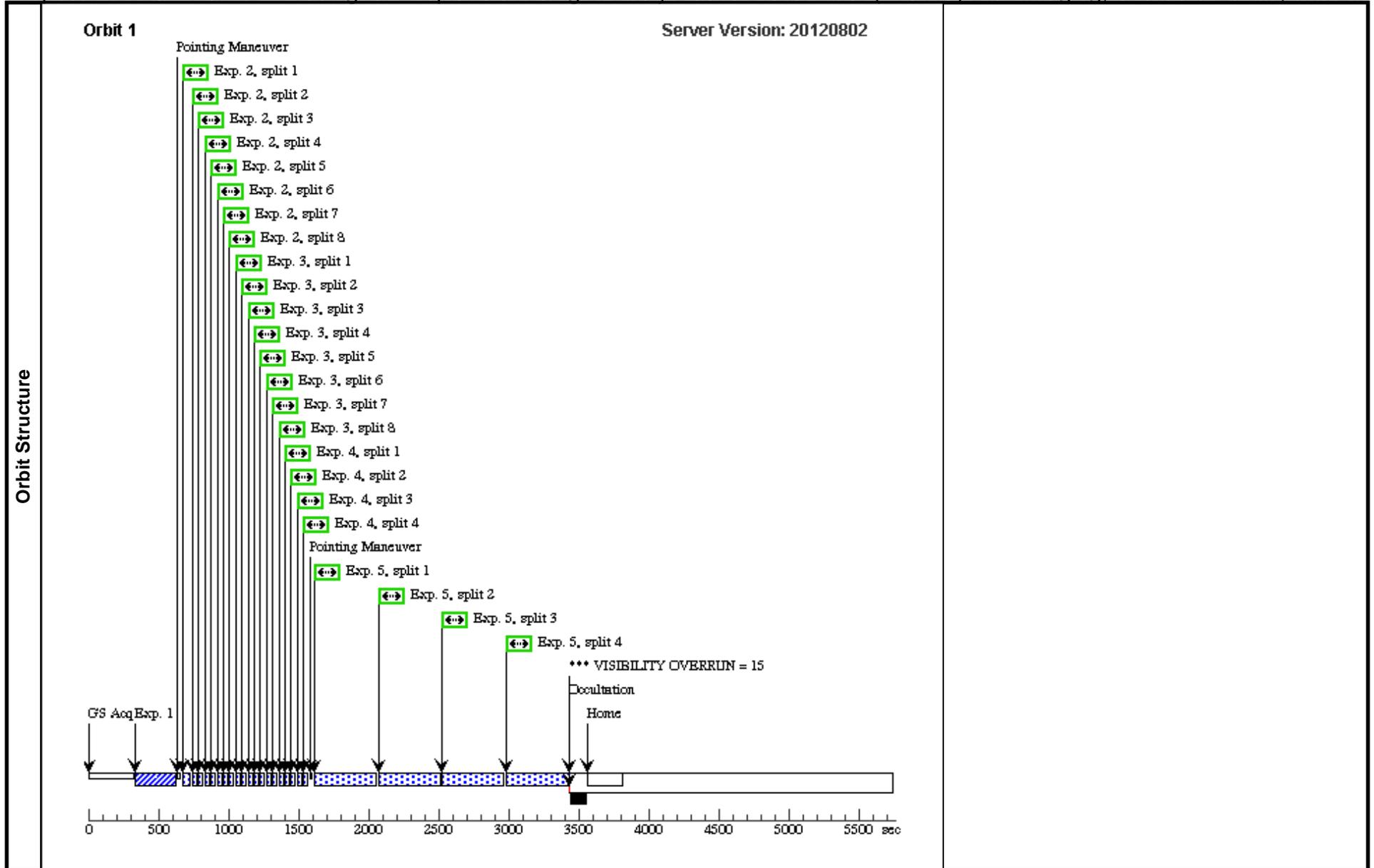


Proposal 12228 - Visit 12 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD181327_ (2) HD181327 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.30 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.03, sp = F6V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD181327_ (2) HD181327 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD181327_ (2) HD181327 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD181327_ (2) HD181327 SHORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			87.7 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (2x) with CR Split. SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 12 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD181327_ (2) HD181327 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1708 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V = 7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



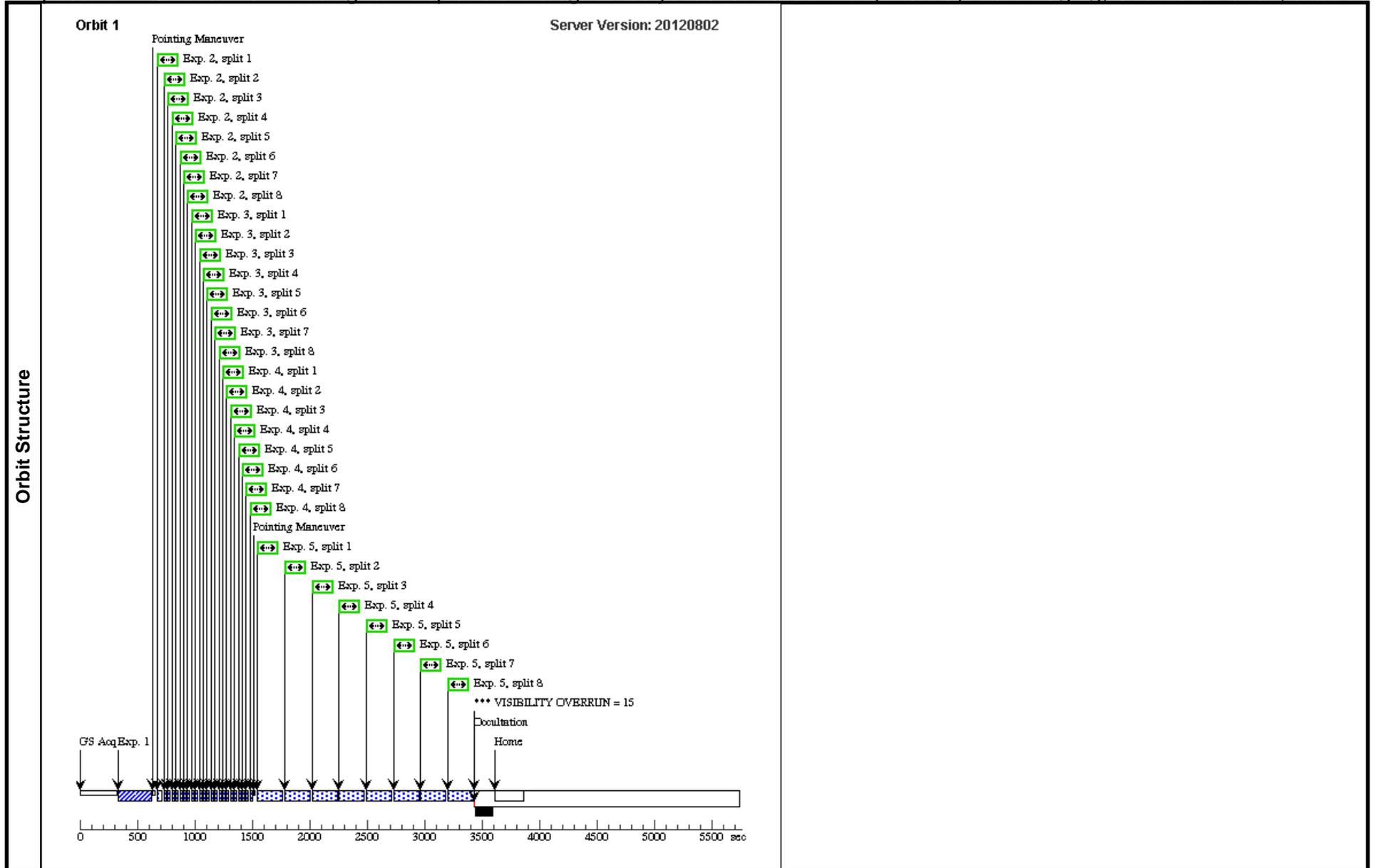
Proposal 12228 - Visit 13 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF02A_A CQ	(13) PSF02A-HD181 327-HD180134	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs	
								[==>]	[1]
								<i>Comments: SNR = 100, V = 6.372, sp = F7V, Exptime rounded to nearest 0.1 second</i>	
2	PSF02A_SH ORTS_1	(13) PSF02A-HD181 327-HD180134	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			95.2 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.372 so saturation in 13.2s. So 90% full well in appx 11.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	PSF02A_SH ORTS_2	(13) PSF02A-HD181 327-HD180134	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			95.2 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.372 so saturation in 13.2s. So 90% full well in appx 11.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Exposures

Proposal 12228 - Visit 13 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF02A_SH (13) PSF02A-HD181 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS_3 327-HD180134	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	95.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. $V = 6.372$ so saturation in 13.2s. So 90% full well in appx 11.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>				
5	PSF02A_L (13) PSF02A-HD181 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 327-HD180134	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	1656 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. HD 32297 is $V = 8.13$ so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				

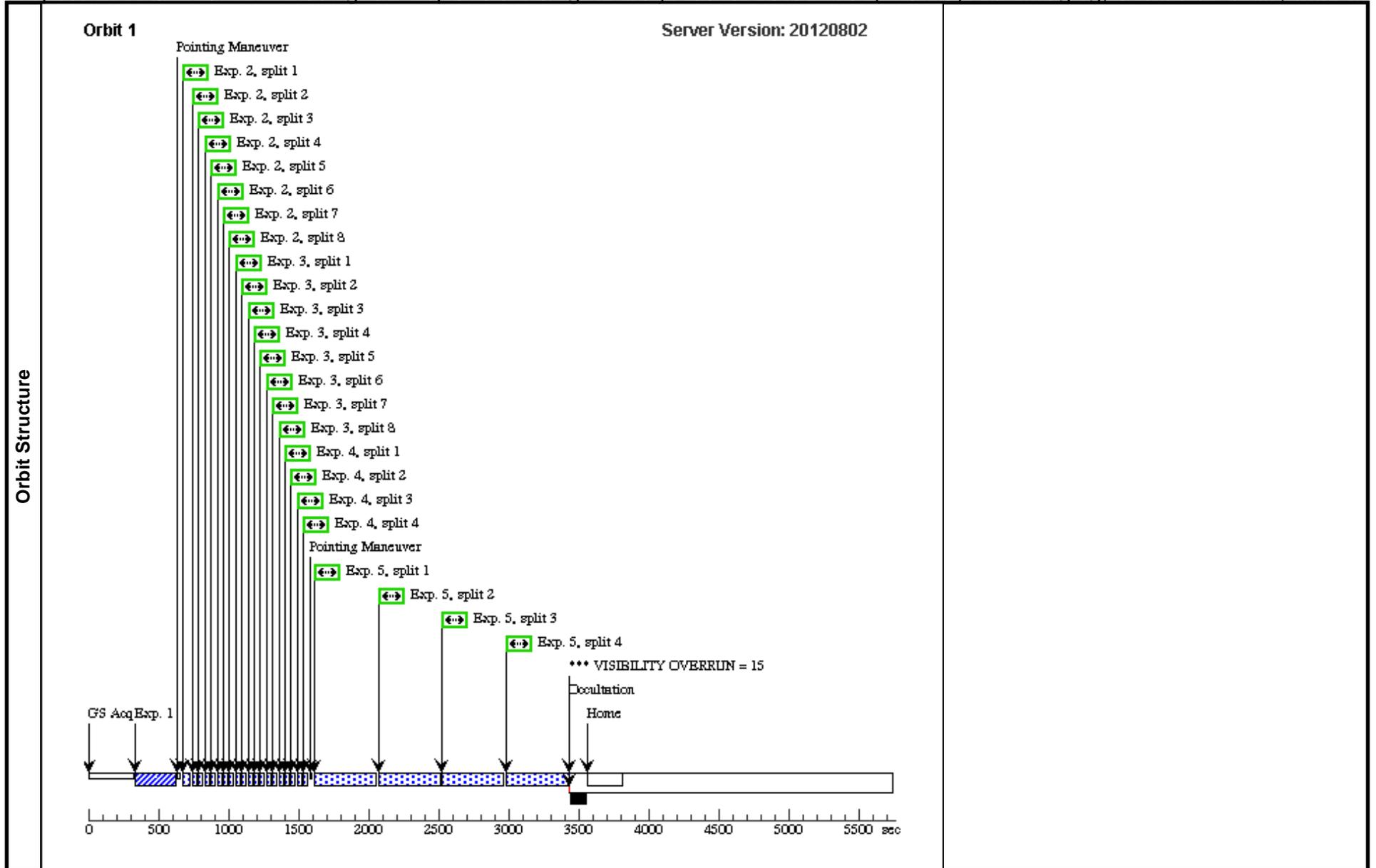


Proposal 12228 - Visit 14 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD181327_ (2) HD181327 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.03, sp = F6V, Exptime rounded to nearest 0.1 second</i>								
	2	HD181327_ (2) HD181327 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD181327_ (2) HD181327 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD181327_ (2) HD181327 SHORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			87.7 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (2x) with CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 14 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD181327_ (2) HD181327 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1708 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V = 7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20\times$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 15 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:23:45 GMT 2012

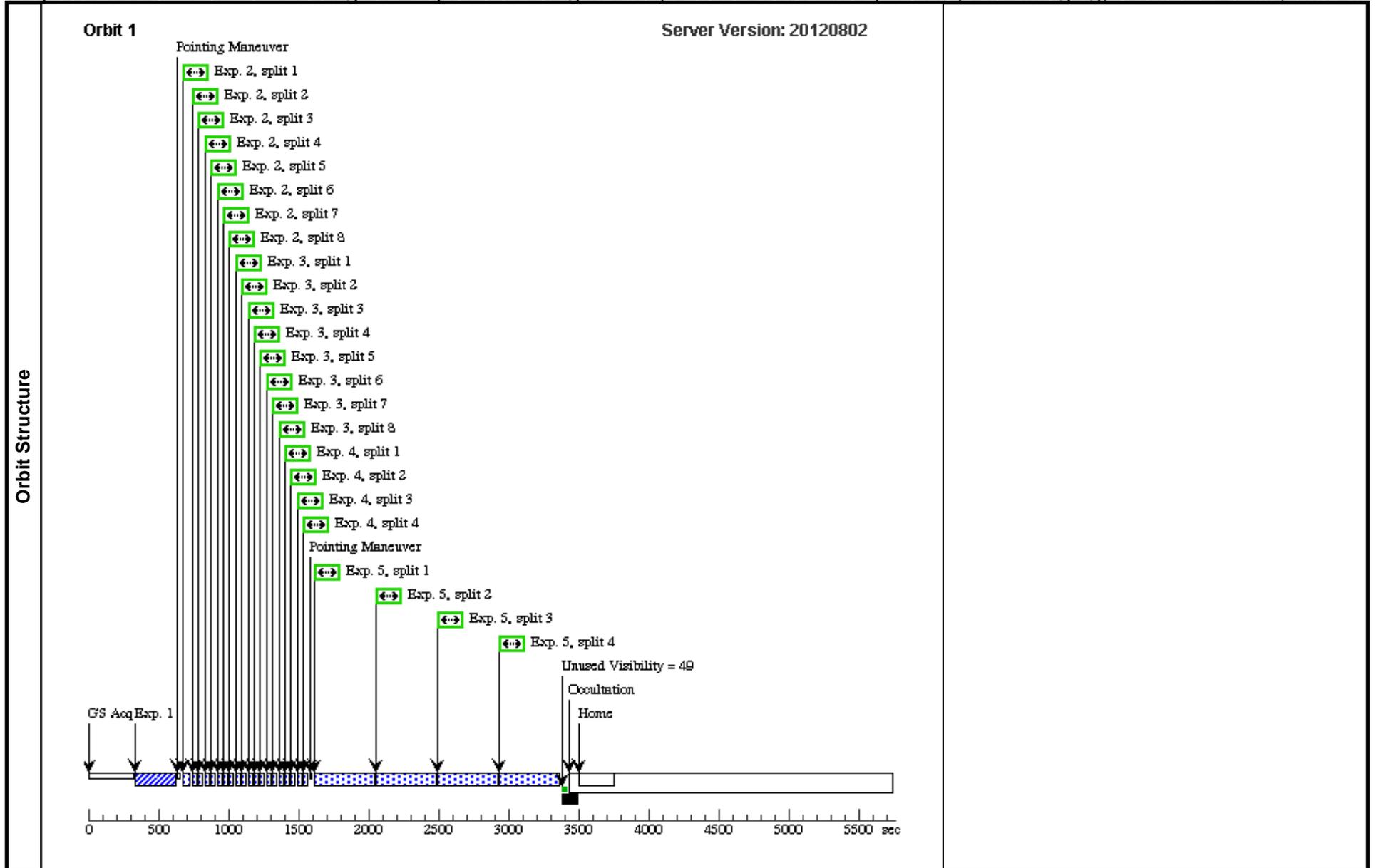
Visit	<p>Proposal 12228, Visit 15, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 70D TO 110D FROM 11</p> <p><i>Comments: HD181327 (V=7.03, B-V = +0.48). Second of two sets of visits, each containing three visits of HD181327 at different relative orientations with one PSF calibration observation interleaved. This is the first HD181327 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (15) at EITHER -90 deg OR +90 deg from Visit 11. Either is equally acceptable, but there is no way to specify this via APT 18.2, so we arbitrarily specify an acceptable Orient From in the positive range (because it worked) of +70 to +110 deg (to aid in schedulability and acceptable to our needs). If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable she may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit 11</i></p> <p><i>Relative Timing: Schedule in orbit immediately before Visit 16.</i></p>						
	Diagnostics	<p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 15) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(2)	HD181327	RA: 19 22 58.9429 (290.7455954d)	Proper Motion RA: 23.84 mas/yr	V=7.03	Reference Frame: ICRS
			Alt Name1: HIP95270	Dec: -54 32 16.97 (-54.53805d)	Proper Motion Dec: -81.77 mas/yr	B-V = + 0.48	
			Alt Name2: GSC08765-00638	Equinox: J2000	Parallax: 0.01977" Epoch of Position: 2000		
		<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: F6V</i></p>					

Proposal 12228 - Visit 15 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD181327_ (2) HD181327 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 7.03, sp = F6V, Exptime rounded to nearest 0.1 second</i>									
	2	HD181327_ (2) HD181327 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	HD181327_ (2) HD181327 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
4	HD181327_ (2) HD181327 SHORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			87.7 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (2x) with CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										

Proposal 12228 - Visit 15 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD181327_ (2) HD181327 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1644 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V = 7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20\times$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

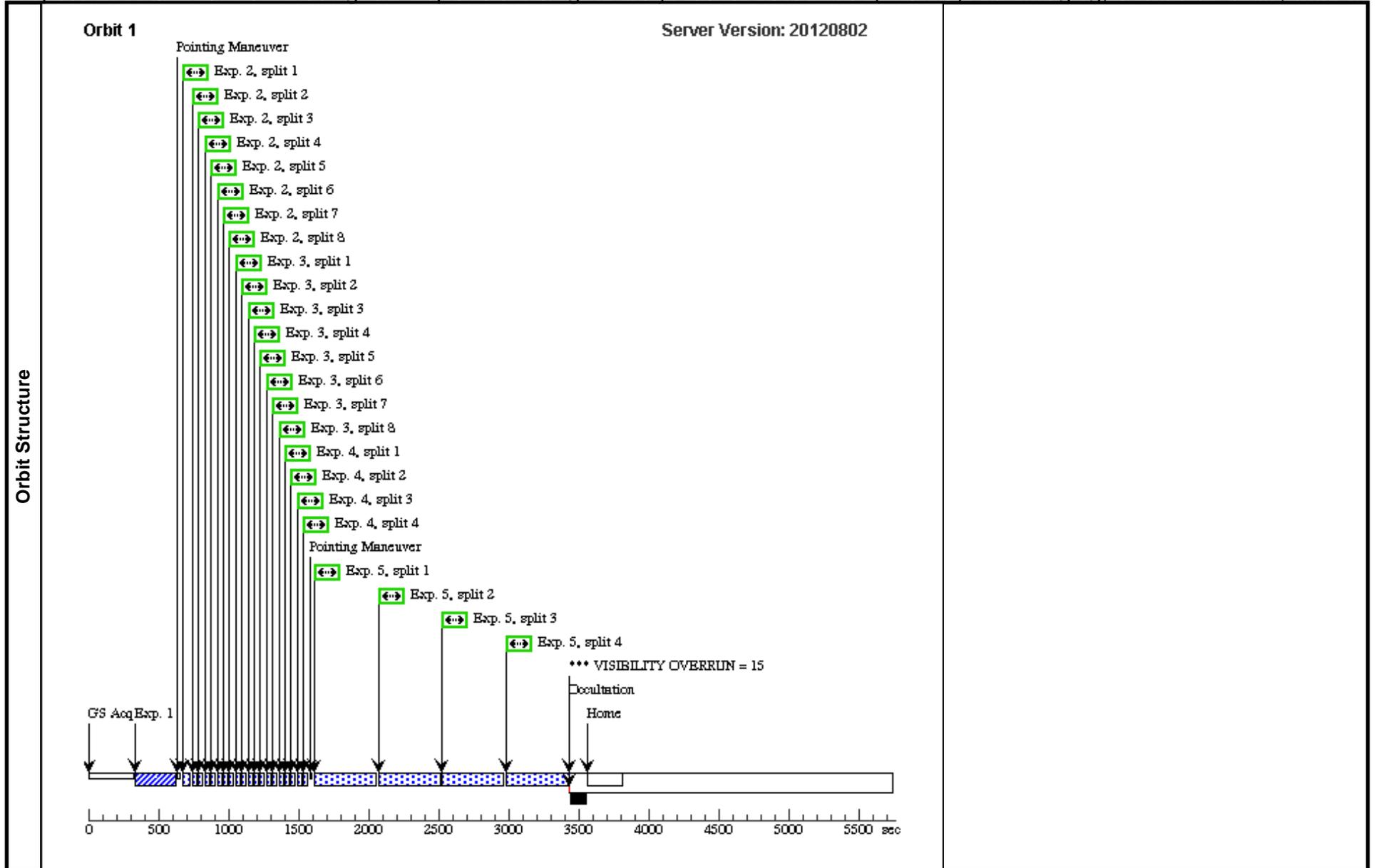


Proposal 12228 - Visit 16 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD181327_ (2) HD181327 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.30 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.03, sp = F6V, Exptime rounded to nearest 0.1 second</i>								
	2	HD181327_ (2) HD181327 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD181327_ (2) HD181327 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD181327_ (2) HD181327 SHORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			87.7 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 16 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD181327_ (2) HD181327 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1708 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V=7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

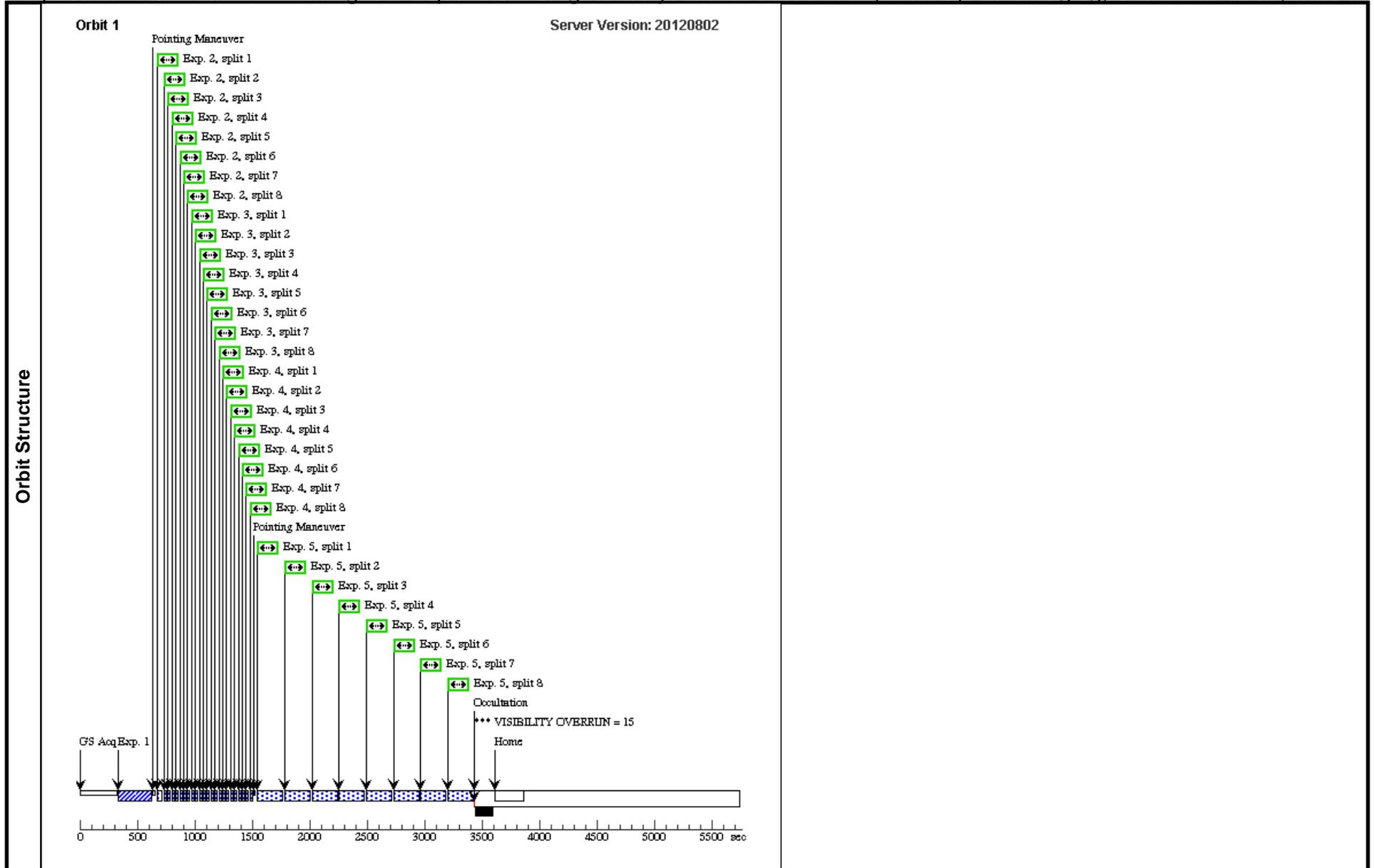


Proposal 12228 - Visit 17 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF02A_A CQ	(13) PSF02A-HD181 327-HD180134	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 6.372, sp = F7V, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF02A_SH ORTS_1	(13) PSF02A-HD181 327-HD180134	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		95.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.372 so saturation in 13.2s. So 90% full well in appx 11.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF02A_SH ORTS_2	(13) PSF02A-HD181 327-HD180134	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		95.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.372 so saturation in 13.2s. So 90% full well in appx 11.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 17 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF02A_SH (13) PSF02A-HD181 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS_3 327-HD180134	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	95.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. $V = 6.372$ so saturation in 13.2s. So 90% full well in appx 11.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>				
5	PSF02A_L (13) PSF02A-HD181 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 327-HD180134	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	1656 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. HD 32297 is $V = 8.13$ so saturation in 68s. So 90% full well in appx 60s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				

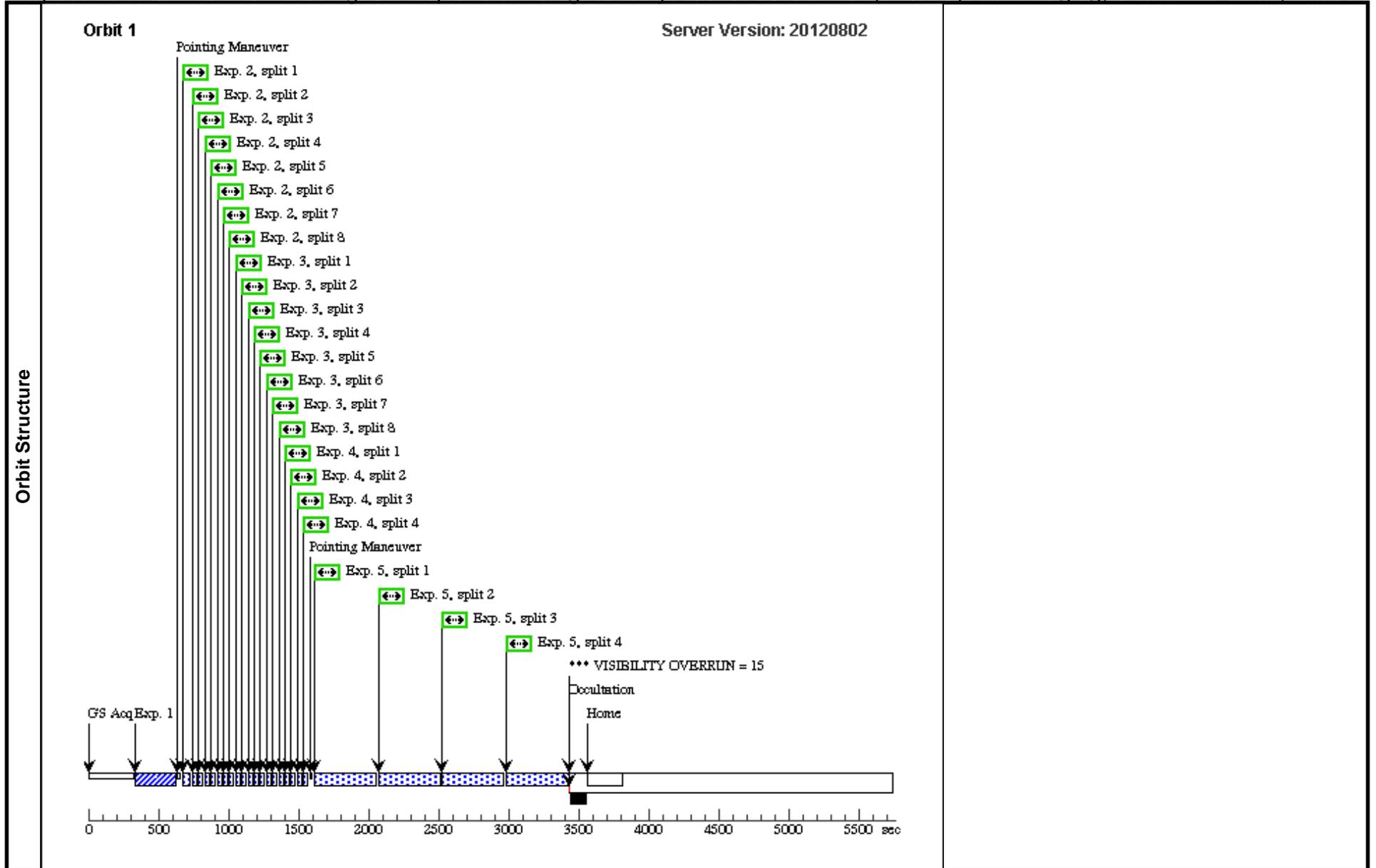


Proposal 12228 - Visit 18 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD181327_ (2) HD181327 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.03, sp = F6V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD181327_ (2) HD181327 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD181327_ (2) HD181327 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD181327_ (2) HD181327 SHORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			87.7 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (2x) with CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 18 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

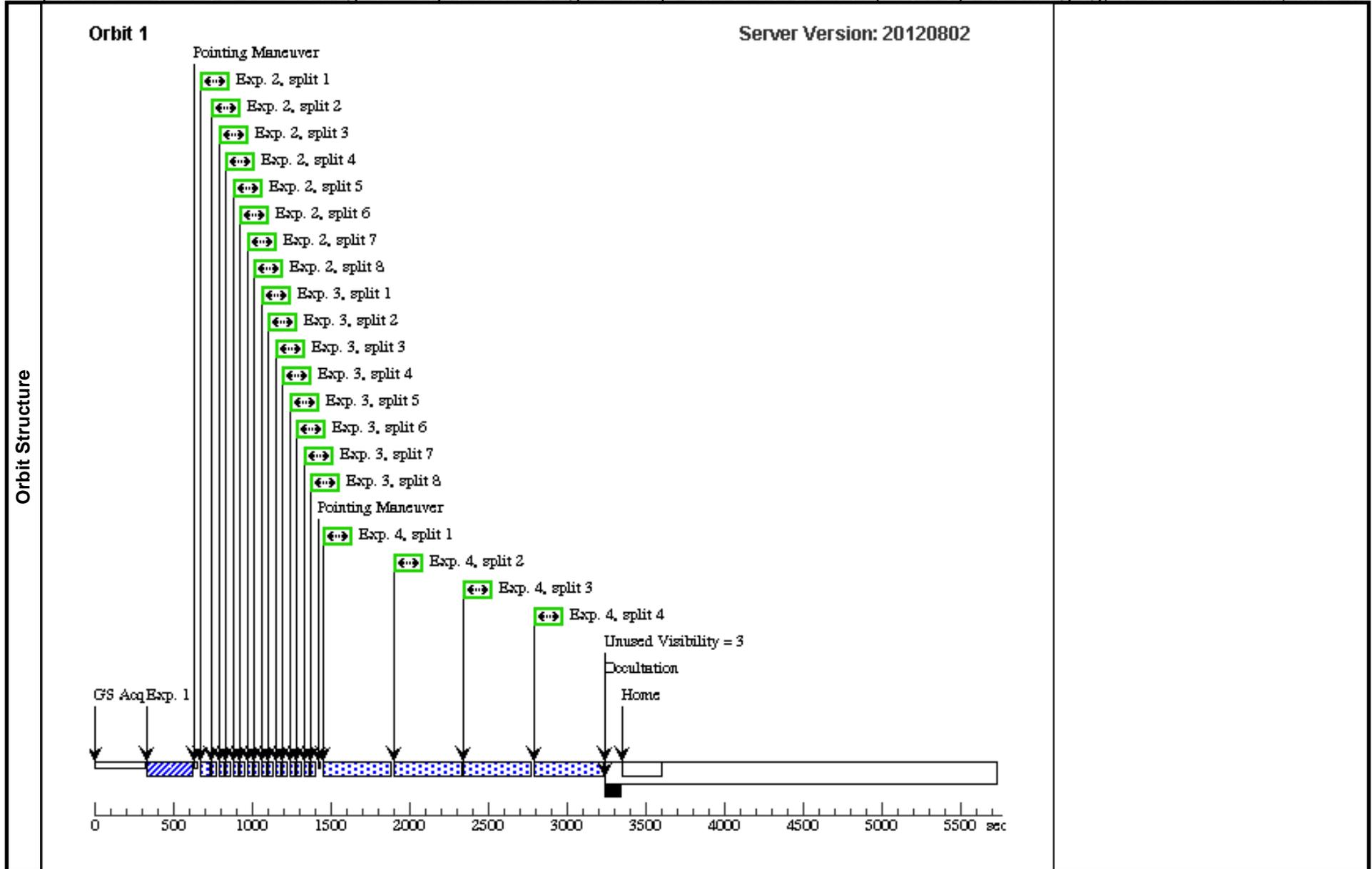
5	HD181327_ (2) HD181327 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1708 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V = 7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20\times$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 21 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD107146_ ACQ	(3) HD107146	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.07, sp = G2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD107146_ SHORTS_1	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 107146 (F2V) is V = 7.07 so saturation in 24.7s. So 90% full well in appx 22.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD107146_ SHORTS_2	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 107146 (F2V) is V = 7.07 so saturation in 24.7s. So 90% full well in appx 22.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD107146_ LONG	(3) HD107146	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4			1663 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 107146 (F2V) is V = 7.07 so saturation in 24.7s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



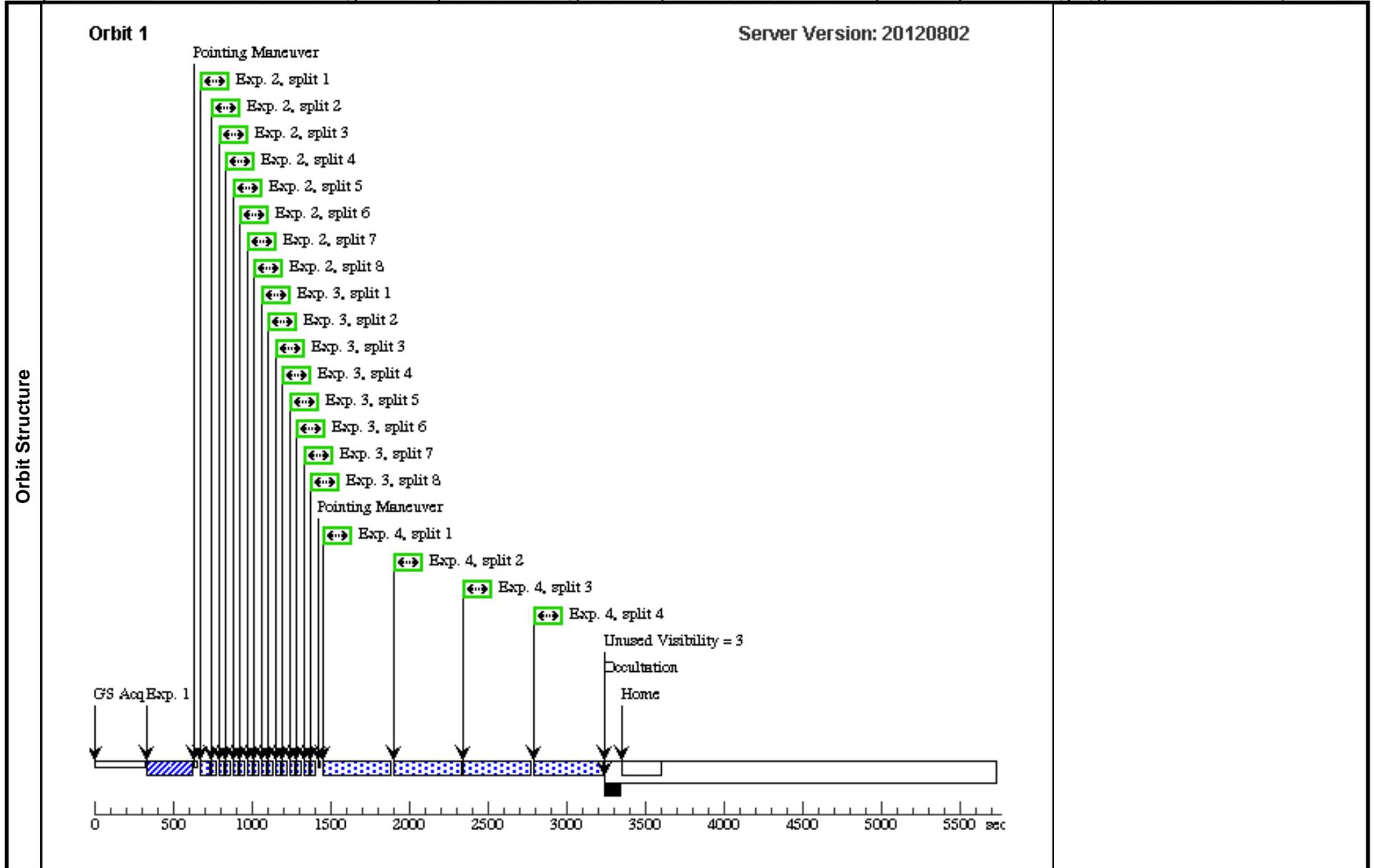
Proposal 12228 - Visit 22 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD107146_ ACQ	(3) HD107146	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.30 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.07, sp = G2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD107146_ SHORTS_1	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD107146_ SHORTS_2	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Exposures

Proposal 12228 - Visit 22 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	HD107146_ (3) HD107146 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1663 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V=7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 23 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	PSF03A-HD107146- HD120066 Alt Name1: HIP67246 Alt Name2: LHS2798	RA: 13 46 57.1223 (206.7380096d) Dec: +06 21 1.35 (6.35038d) Equinox: J2000	Proper Motion RA: -511.30 mas/yr Proper Motion Dec: -109.99 mas/yr Parallax: 0.03266" Epoch of Position: 2000	V=6.30 B-V = +0.66	Reference Frame: ICRS
	<i>Comments: Spec. G0.5 IV-V</i>					
	<i>USNO-2: R=13.4 @ r = 0.80'; 5 stars R=12.6-18.6 @ 0.64' < r < 0.86'</i>					
	<i>HST/ACS-coron Pedigree (Ardila et al 2004)</i>					

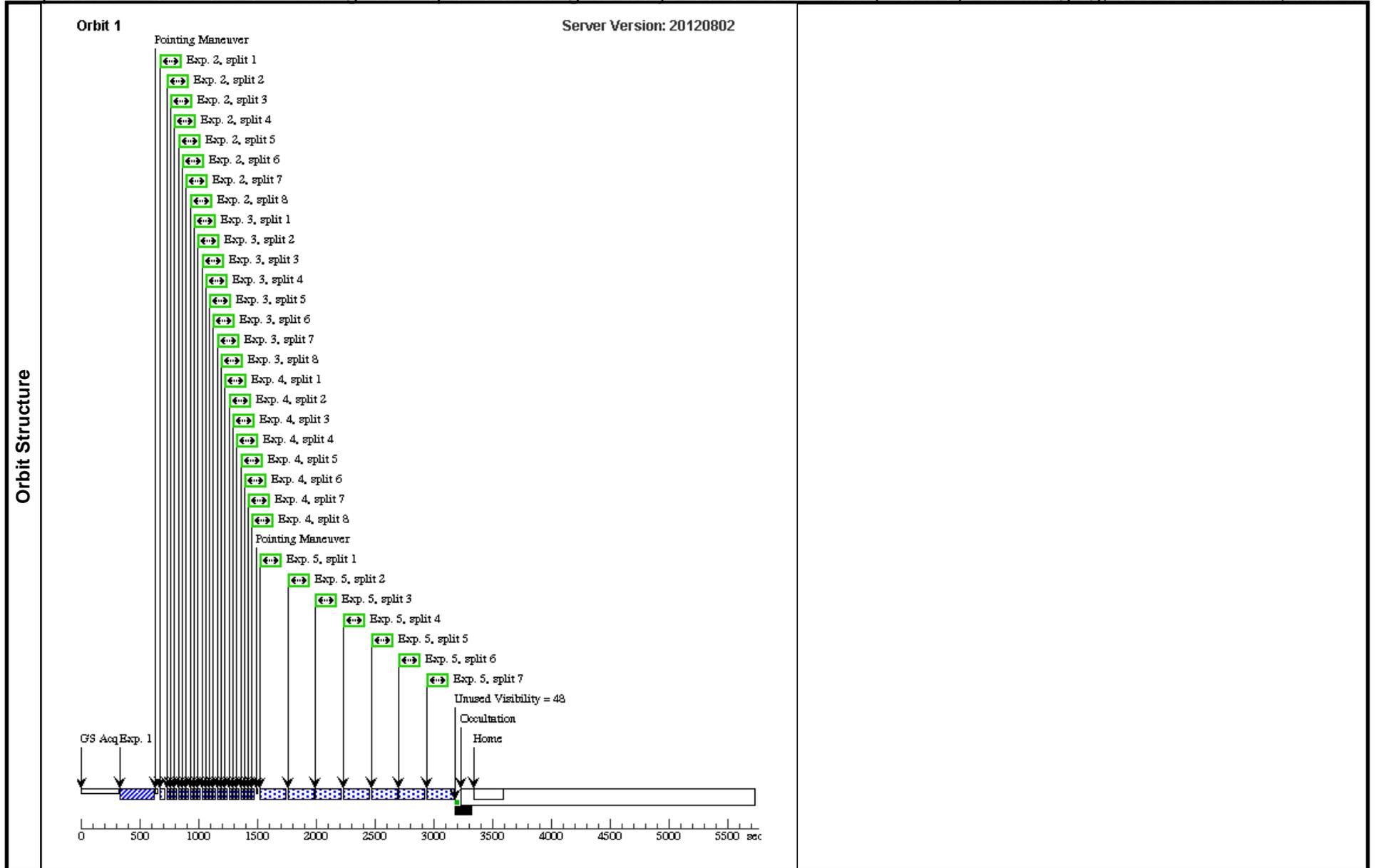
Proposal 12228 - Visit 23 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF03A_A CQ	(14) PSF03A-HD107 146-HD120066	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs	
								[==>]	[1]
								<i>Comments: SNR = 100, V = 6.30, sp = GOV, Exptime rounded to nearest 0.1 second</i>	
2	PSF03A_SH ORTS_1	(14) PSF03A-HD107 146-HD120066	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			88 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.30 so saturation in 12.2s. So 90% full well in appx 11.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	PSF03A_SH ORTS_2	(14) PSF03A-HD107 146-HD120066	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			88 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
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<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Exposures

Proposal 12228 - Visit 23 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF03A_SH (14) PSF03A-HD107 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS_3 146-HD120066	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	88 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. $V = 6.30$ so saturation in 12.2s. So 90% full well in appx 11.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>				
5	PSF03A_L (14) PSF03A-HD107 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 146-HD120066	SIZEAXIS2=427; CR-SPLIT=7; GAIN=4	1446 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. $V = 6.30$ so saturation in 12.2s. So 90% full well in appx 11.0s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				



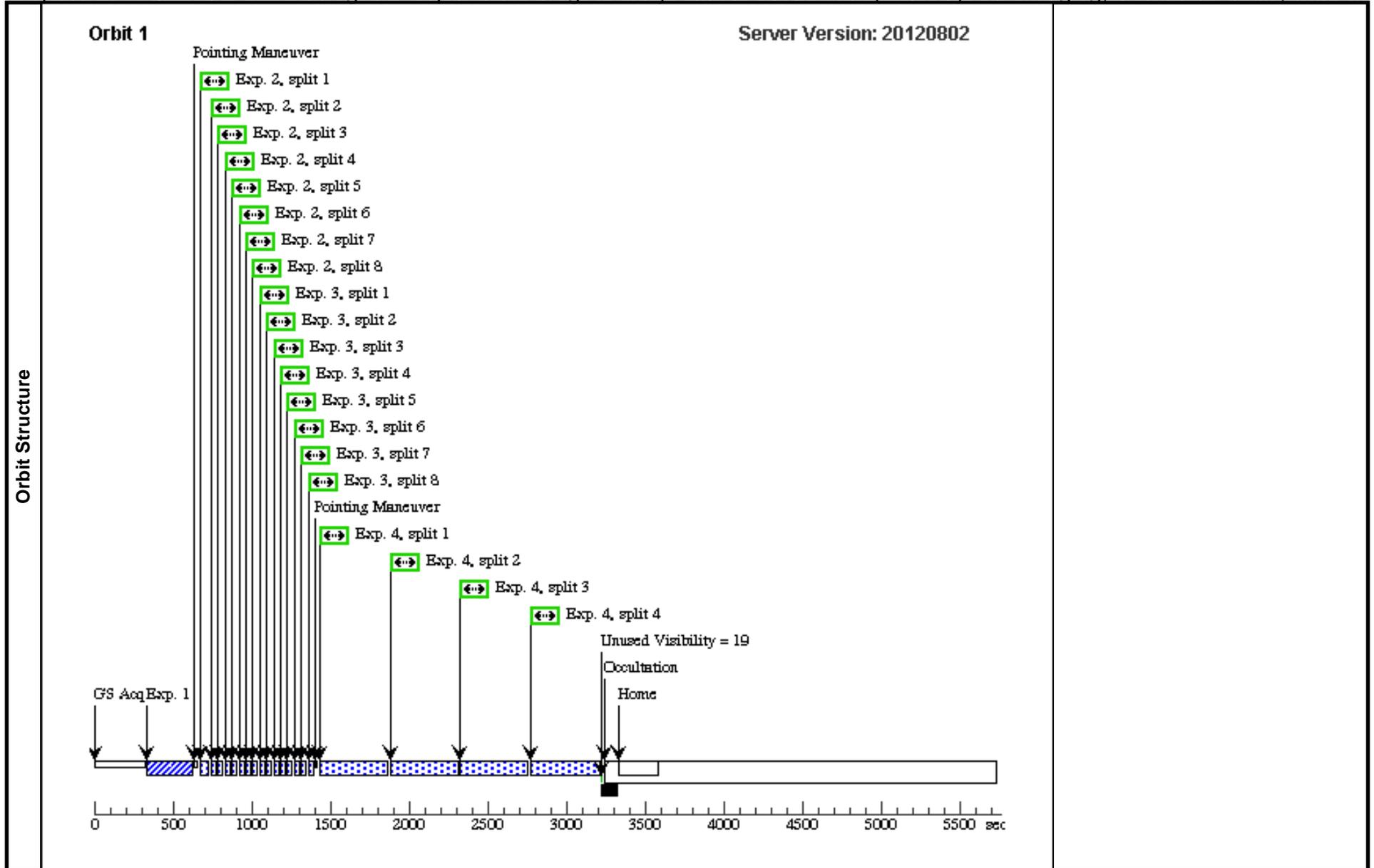
Proposal 12228 - Visit 24 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:25:23 GMT 2012

Visit	<p>Proposal 12228, Visit 24, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 15D TO 30D FROM 22; AFTER 23 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 107146 (V=7.07, B-V = +0.62). First of two sets of visits, each containing three visits of HD107146 at different relative orientations with one PSF calibration observation interleaved. This is the third HD107146 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (24) at +30 deg from Visit 22, with the absolute orientation of Visit 22 unconstrained. To aid in scheduling we allow an Orient from Roll Range of +15 to +30 deg from Visit 22, but if possible we would prefer as close to +30 degrees as can be scheduled.</i></p> <p><i>Relative Timing: This visit (24) should immediately follow Visit 23. I.e., They should be executed sequentially in "back-to-back" orbits</i></p>																																			
	<p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 24) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 24) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 24) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																			
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Spec: G2V</i></p>																																				

Proposal 12228 - Visit 24 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD107146_ ACQ	(3) HD107146	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.07, sp = G2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD107146_ SHORTS_1	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD107146_ SHORTS_2	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			175.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD107146_ LONG	(3) HD107146	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4			1663 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



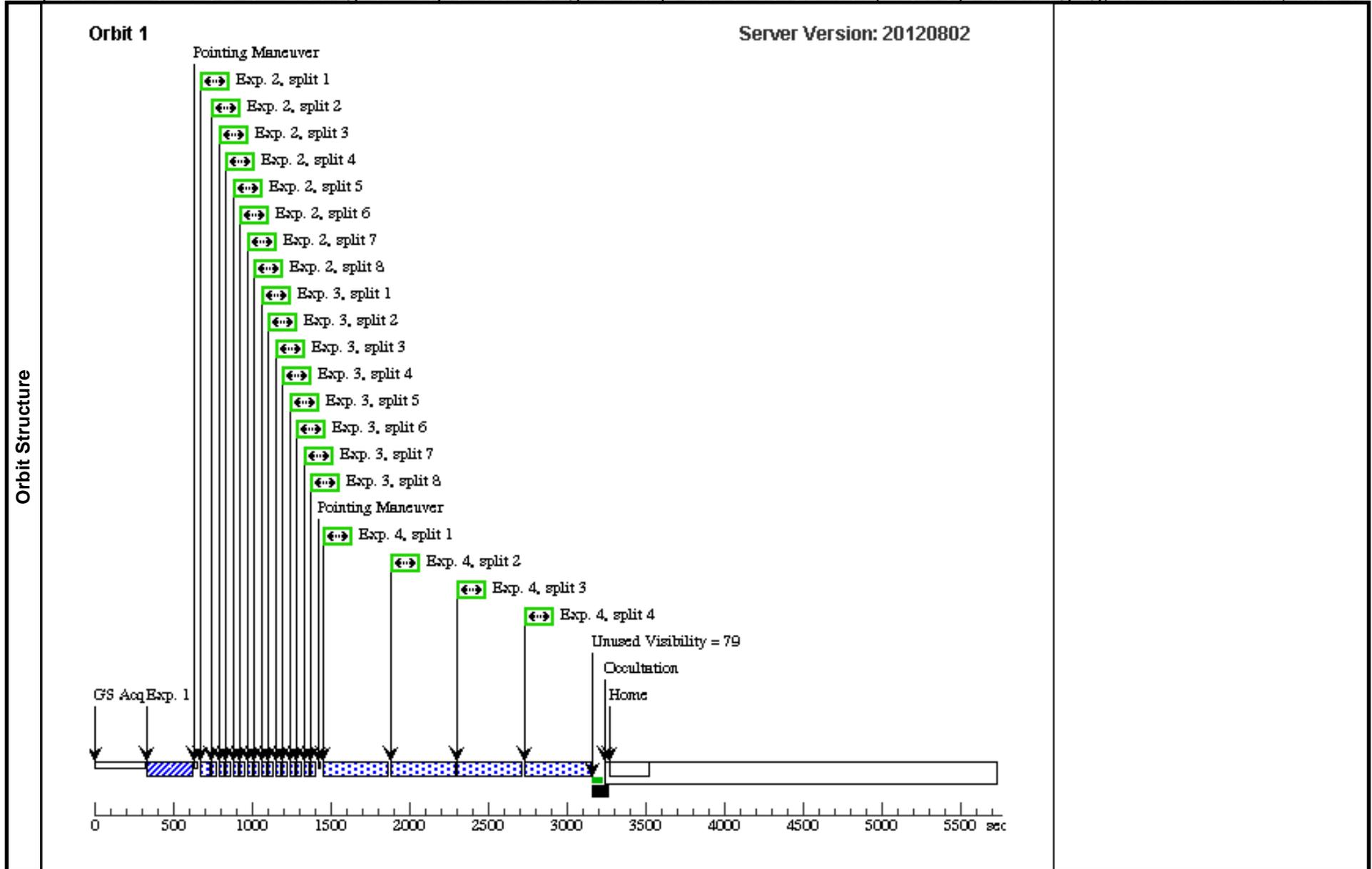
Proposal 12228 - Visit 25 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:25:34 GMT 2012

Visit	<p>Proposal 12228, Visit 25, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 125D TO 130D FROM 21</p> <p><i>Comments: HD 107146 (V=7.07, B-V = +0.62). Second of two sets of visits, each containing three visits of HD181327 at different relative orientations with one PSF calibration observation interleaved. This is the first HD107146 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (25) at EITHER -90 deg OR +90 deg from Visit 21. Either is equally acceptable, but there is no way to specifich this via APT 18.2, so we arbitrarily specify an acceptable Orient From in the positive range. Here we cannot get the optimum (90 deg) differential and we specify +125 to +130 to force scheddualibility. If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedualable the parity of the relative orientation to -120 deg to -130 deg from Visit 22 (or more optimum negative offsets) may be used as an alternate.</i></p> <p><i>Relative Timing: Schedule in orbit immediately before Visit 26.</i></p>																																		
	<p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 25) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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			Epoch of Position: 2000																																

Proposal 12228 - Visit 25 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD107146_ (3) HD107146 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.07, sp = G2V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD107146_ (3) HD107146 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD107146_ (3) HD107146 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD107146_ (3) HD107146 LONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4			1588 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



Proposal 12228 - Visit 26 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:25:43 GMT 2012

Visit	<p>Proposal 12228, Visit 26, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 17.5D TO 17.5D FROM 25; AFTER 25 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 107146 (V=7.07, B-V = +0.62). Second of two sets of visits, each containing three visits of HD107146 at different relative orientations with one PSF calibration observation interleaved. This is the second HD107146 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (26) at +30 deg from Visit 25, but the schedulable roll range is apparently more limited. Here we specify exactly +17.t to +17.5 deg for enable schedulability for all linked viits still within an acceptabel minimum orientation offset for this visit.</i></p> <p><i>Relative Timing: This visit (26) should immediately follow visit 25 and immediately precede visit 27. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 26) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
Diagnosics																																			
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>HD107146</td> <td>RA: 12 19 6.5015 (184.7770896d)</td> <td>Proper Motion RA: -175.65 mas/yr</td> <td>V=7.07</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: LTT13439</td> <td>Dec: +16 32 53.87 (16.54830d)</td> <td>Proper Motion Dec: -148.28 mas/yr</td> <td>B-V = + 0.62</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC01445-02267</td> <td>Equinox: J2000</td> <td>Parallax: 0.03507"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	HD107146	RA: 12 19 6.5015 (184.7770896d)	Proper Motion RA: -175.65 mas/yr	V=7.07	Reference Frame: ICRS		Alt Name1: LTT13439	Dec: +16 32 53.87 (16.54830d)	Proper Motion Dec: -148.28 mas/yr	B-V = + 0.62			Alt Name2: GSC01445-02267	Equinox: J2000	Parallax: 0.03507"						Epoch of Position: 2000						
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			Epoch of Position: 2000																																
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: G2V</i></p>																																			

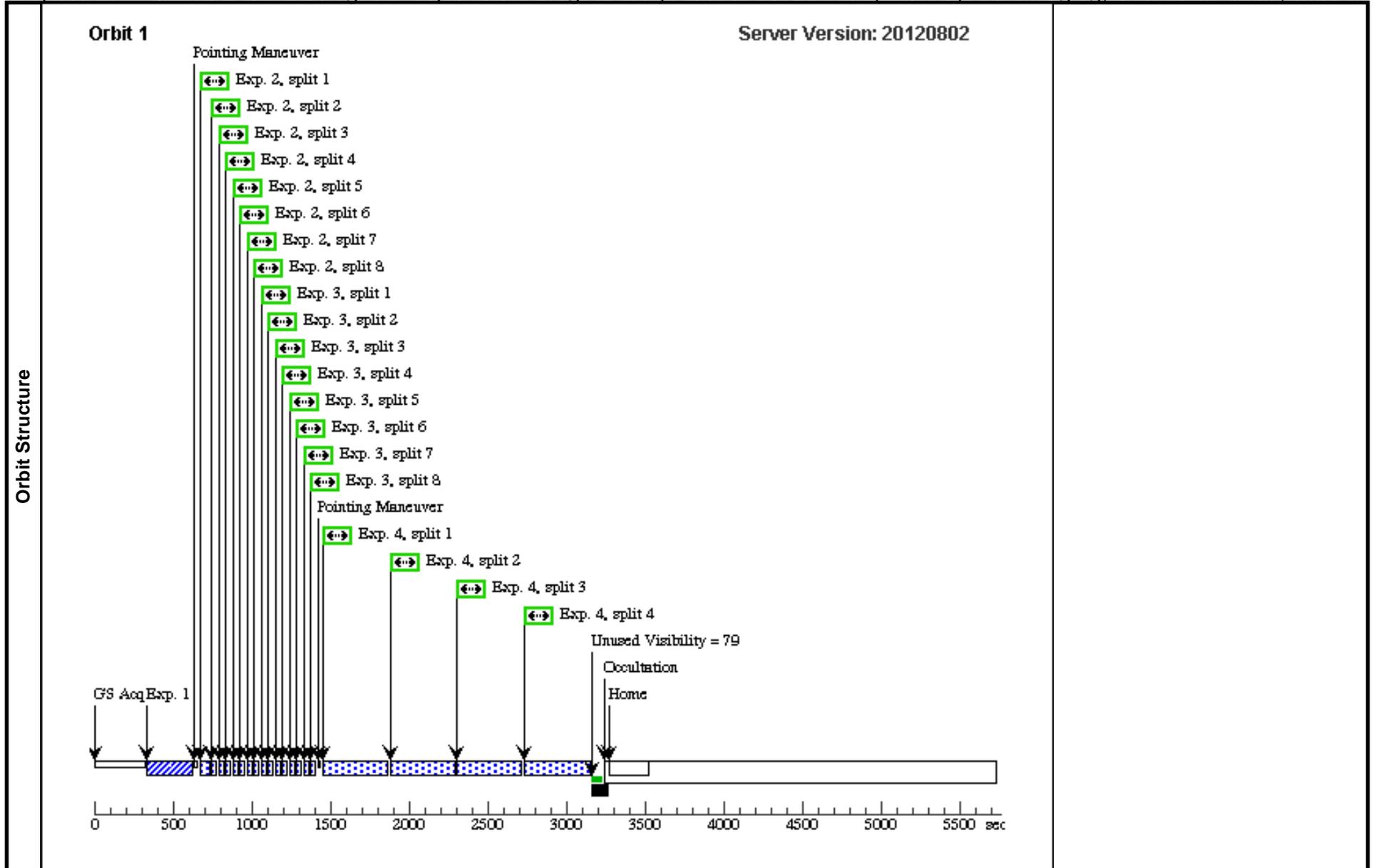
Proposal 12228 - Visit 26 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD107146_ ACQ	(3) HD107146	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.30 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.07, sp = G2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD107146_ SHORTS_1	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD107146_ SHORTS_2	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Exposures

Proposal 12228 - Visit 26 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	HD107146_ (3) HD107146 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1588 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD181327 (F6V) is $V=7.03$ so saturation in 24.4s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



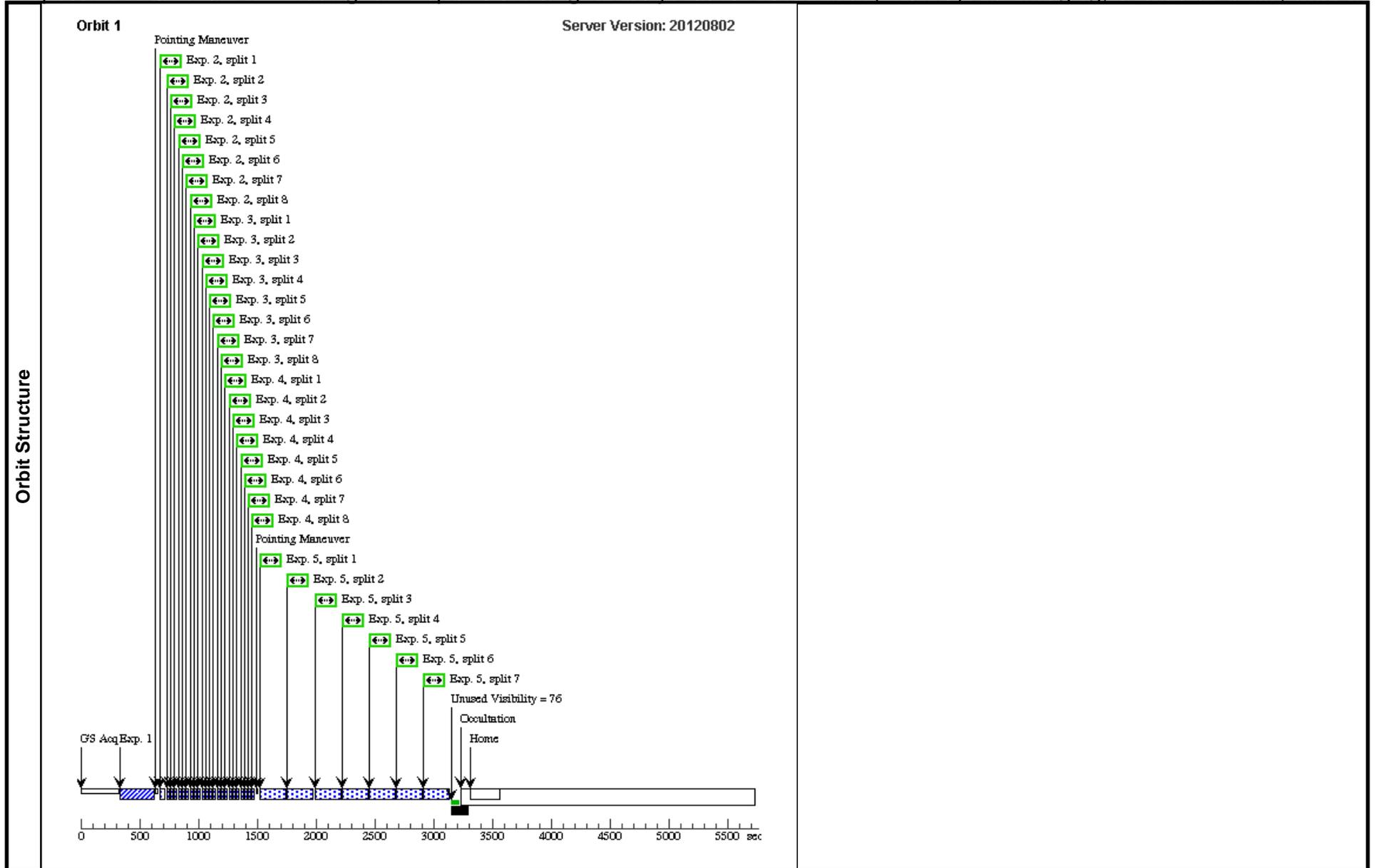
Proposal 12228 - Visit 27 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF03A_A CQ	(14) PSF03A-HD107 146-HD120066	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs	
								[==>]	[1]
								<i>Comments: SNR = 100, V = 6.30, sp = GOV, Exptime rounded to nearest 0.1 second</i>	
2	PSF03A_SH ORTS_1	(14) PSF03A-HD107 146-HD120066	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			88 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.30 so saturation in 12.2s. So 90% full well in appx 11.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	PSF03A_SH ORTS_2	(14) PSF03A-HD107 146-HD120066	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			88 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.30 so saturation in 12.2s. So 90% full well in appx 11.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Exposures

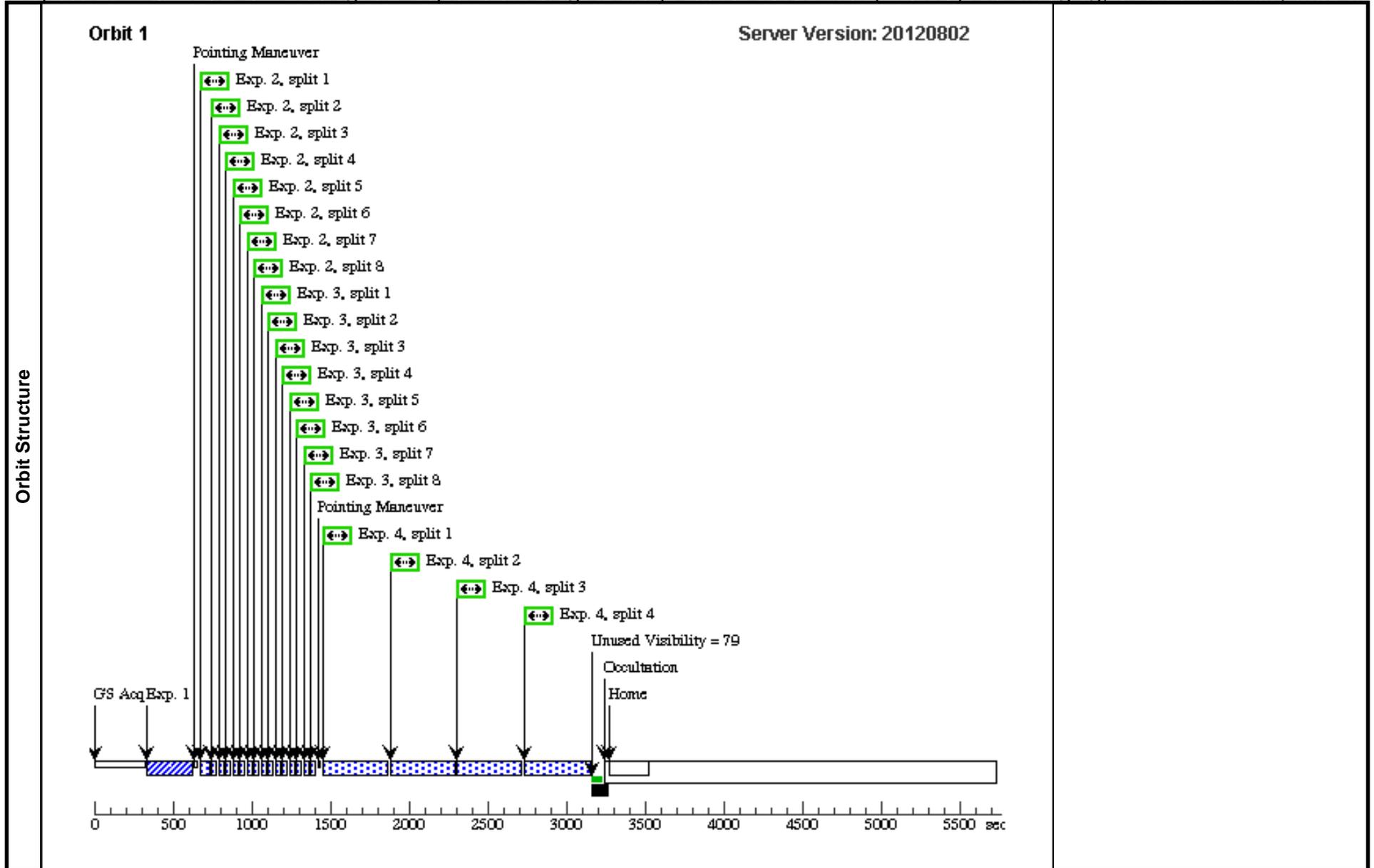
Proposal 12228 - Visit 27 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF03A_SH (14) PSF03A-HD107 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS_3 146-HD120066	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	88 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$.				
$V = 6.30$ so saturation in 12.2s.				
So 90% full well in appx 11.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$)				
For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target				
to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the				
Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.				
5	PSF03A_L (14) PSF03A-HD107 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 146-HD120066	SIZEAXIS2=427; CR-SPLIT=7; GAIN=4	1421 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]
Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$.				
$V = 6.30$ so saturation in 12.2s.				
So 90% full well in appx 11.0s.				
For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of				
visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$)				
For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target				
to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the				
Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.				



Proposal 12228 - Visit 28 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

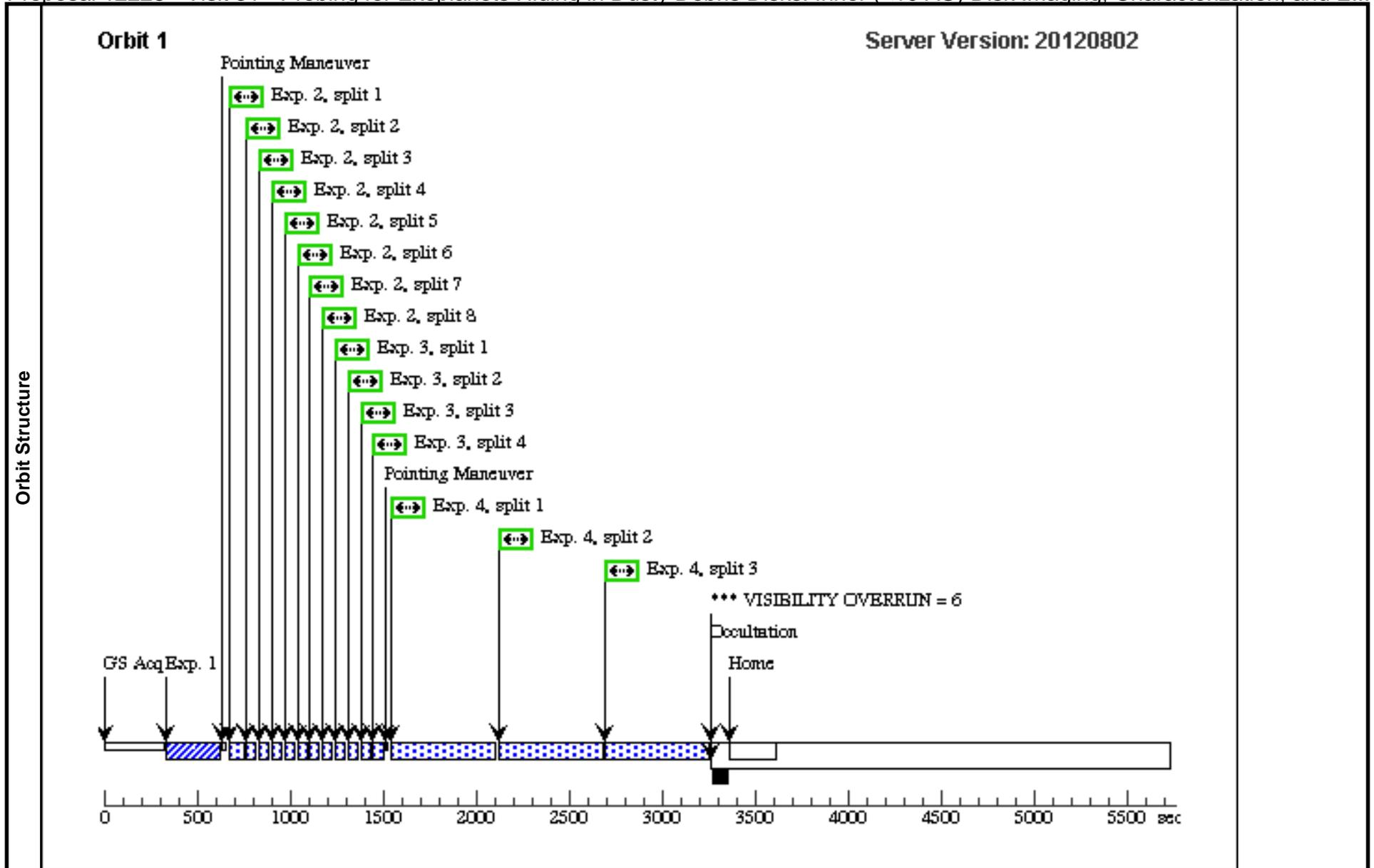
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD107146_ ACQ	(3) HD107146	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
<p>Comments: SNR = 100, V = 7.07, sp = G2V, Exptime rounded to nearest 0.1 second</p>									
2	HD107146_ SHORTS_1	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</p>									
3	HD107146_ SHORTS_2	(3) HD107146	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			177.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. So 90% full well in appx 21.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</p>									
4	HD107146_ LONG	(3) HD107146	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4			1588 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD181327 (F6V) is V = 7.03 so saturation in 24.4s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</p>									



Visit	<p>Proposal 12228, Visit 31, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -29D TO -29D FROM 32</p> <p><i>Comments: AU MIC (V=8.61, B-V = + 1.45).</i></p> <p><i>First of two sets of visits, each containing three visits of AU MIC at different relative orientations with one PSF calibration observation interleaved. This is the first AU MIC visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (31) at -30 deg from Visit 32, with the absolute orientation of Visit 32 unconstrained.</i></p> <p><i>Relative Timing: This visit (31) should immediately precede visit (32). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. MIV</i></p>																																			

Proposal 12228 - Visit 31 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

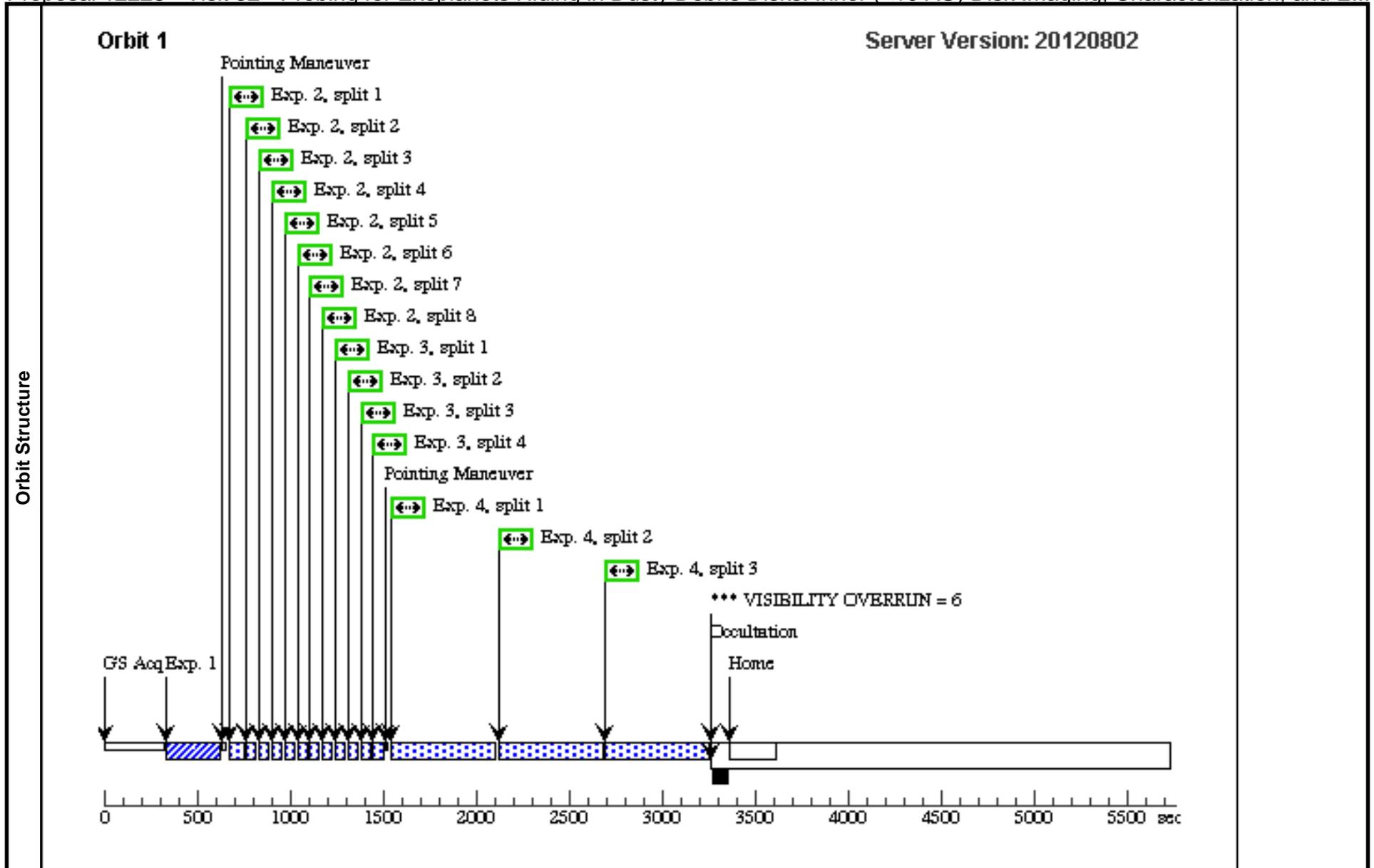
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	AUMIC_A CQ	(4) AU-MIC	STIS/CCD, ACQ, F25ND3	MIRROR			GS ACQ SCENARI O BASE1B3		0.40 Secs	
	<p><i>Comments: SNR = 100, V = 8.61, sp = MIVe, Exptime rounded to nearest 0.1 second</i></p>									[==>]	[1]
	2	AUMIC_SH ORTS_1	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4				364 Secs	
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
3	AUMIC_SH ORTS_2	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4				182 Secs		
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
4	AUMIC_LO NG	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4				1629 Secs		
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	



Visit	<p>Proposal 12228, Visit 32, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 31 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: AU MIC (V=8.61, B-V = + 1.45).</i></p> <p><i>First of two sets of visits, each containing three visits of AU MIC at different relative orientations with one PSF calibration observation interleaved. This is the second AU MIC visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: There are no orientation constraints on this visit (32). Visits 31, 33, 34, 35, and 38 carry relative orientation constraints w.r.t. this visit.</i></p> <p><i>Relative Timing: This visit (32) should immediately follow Visit 31 and immediately precede Visit 33 in back-to-back orbits.</i></p>																																		
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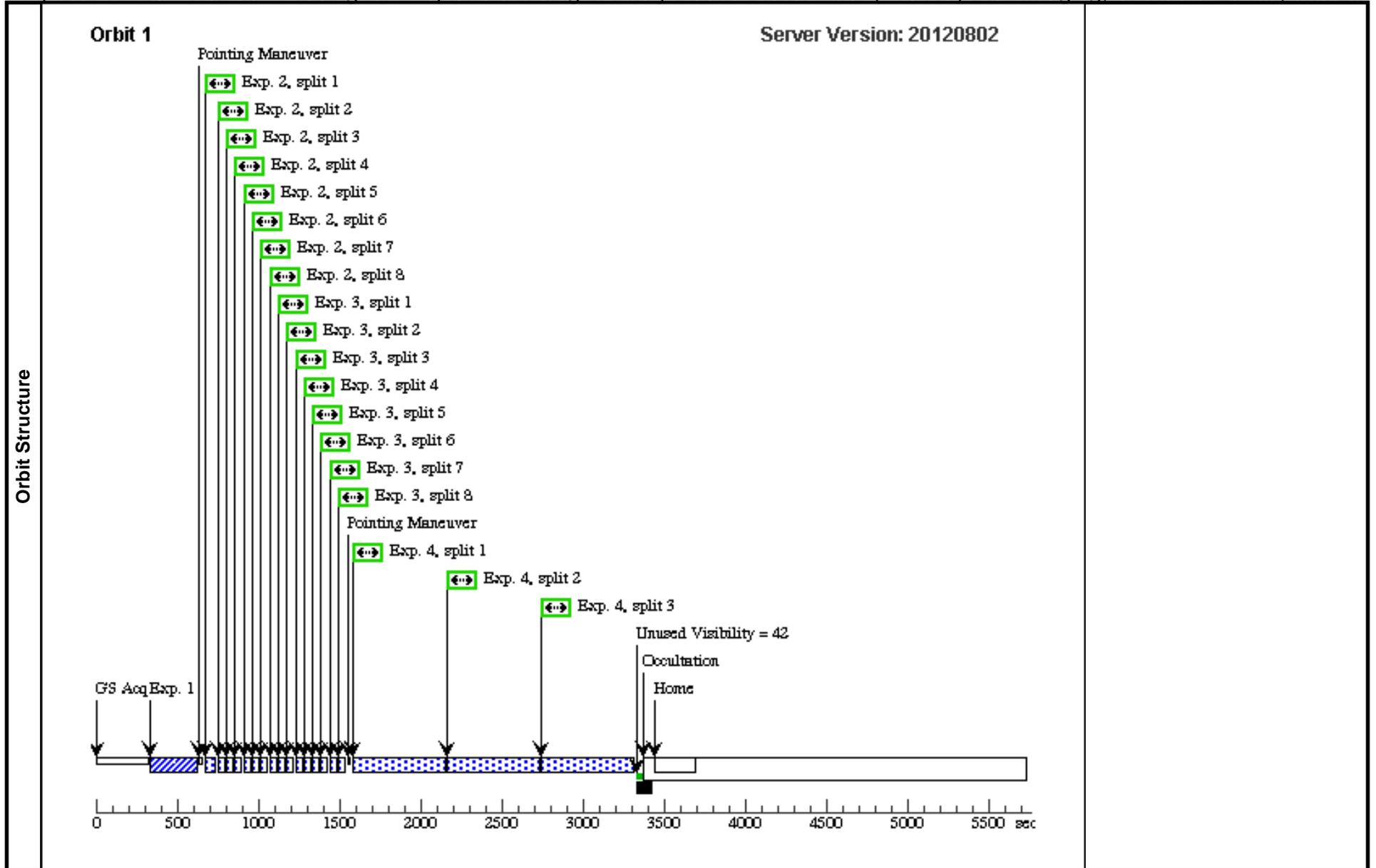
Proposal 12228 - Visit 32 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	AUMIC_A CQ	(4) AU-MIC	STIS/CCD, ACQ, F25ND3	MIRROR			GS ACQ SCENARI O BASE1B3	0.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 8.61, sp = MIVe, Exptime rounded to nearest 0.1 second</i>										
	2	AUMIC_SH ORTS_1	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			364 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	3	AUMIC_SH ORTS_2	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			182 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	4	AUMIC_LO NG	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1629 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>											
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>											



Proposal 12228 - Visit 33 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF04A_A CQ	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.97, sp = MOVE, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF04A_SH ORTS_1	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		244.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.97 so saturation in 34.0s. So 90% full well in appx 30.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	PSF04A_SH ORTS_2	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		244.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.97 so saturation in 34.0s. So 90% full well in appx 30.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF04A_L ONG	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1658 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: V = 6.26 so saturation in 12.1s. So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



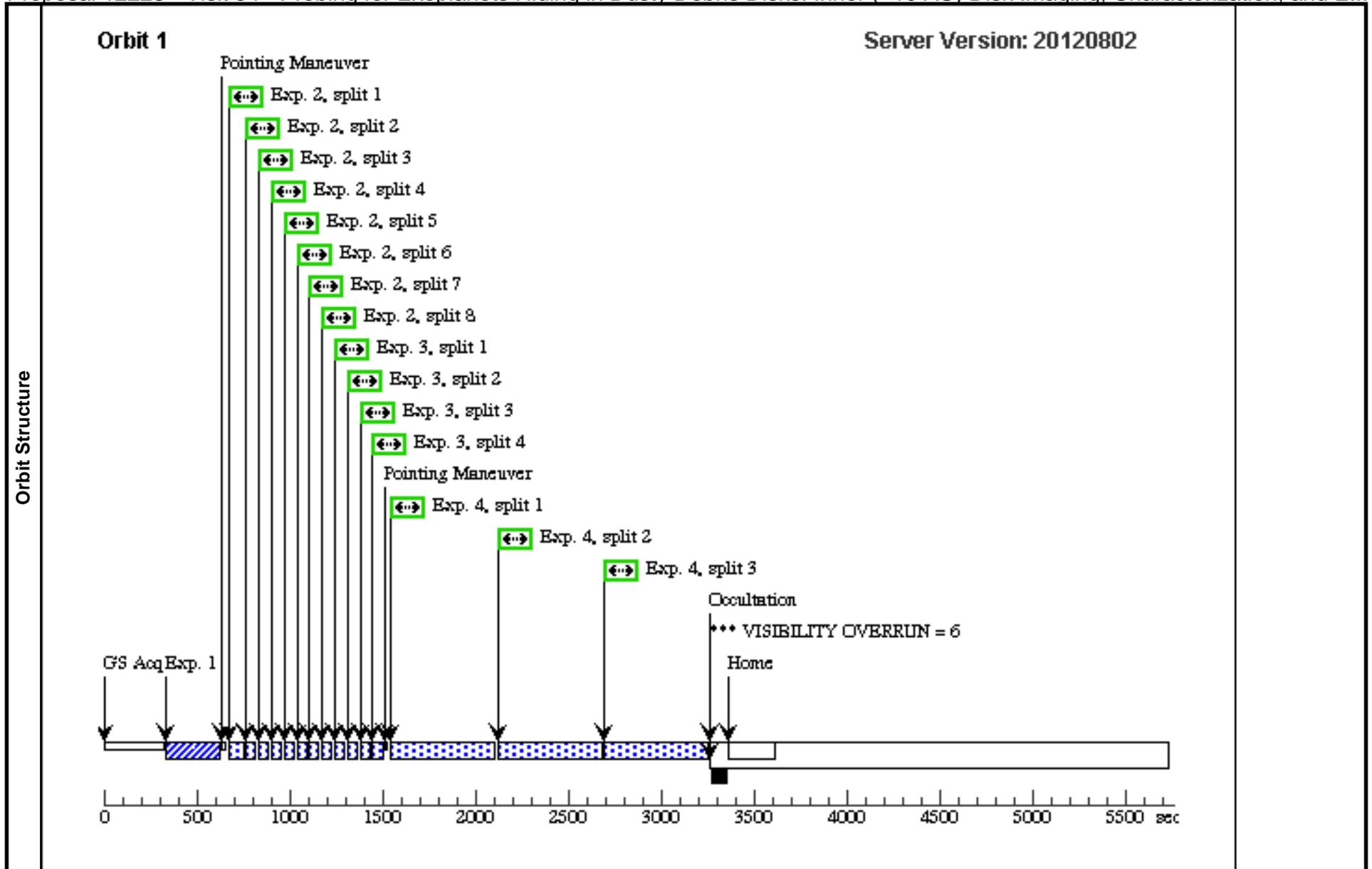
Proposal 12228 - Visit 34 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:26:42 GMT 2012

Visit	<p>Proposal 12228, Visit 34, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 30D TO 30D FROM 32; AFTER 33 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: AU MIC (V=8.61, B-V = + 1.45).</i></p> <p><i>First of two sets of visits, each containing three visits of AU MIC at different relative orientations with one PSF calibration observation interleaved. This is the third AU MIC visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (34) at +30 deg from Visit 32, with the absolute orientation of Visit 32 unconstrained.</i></p> <p><i>Relative Timing: This visit (34) should immediately follow Visit 33. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. MIV</i></p>																																			

Proposal 12228 - Visit 34 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	AUMIC_A CQ	(4) AU-MIC	STIS/CCD, ACQ, F25ND3	MIRROR			GS ACQ SCENARI O BASE1B3	0.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 8.61, sp = MIVe, Exptime rounded to nearest 0.1 second</i>										
	2	AUMIC_SH ORTS_1	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			364 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	3	AUMIC_SH ORTS_2	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			182 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i>										
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	4	AUMIC_LO NG	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1629 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>											
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>											



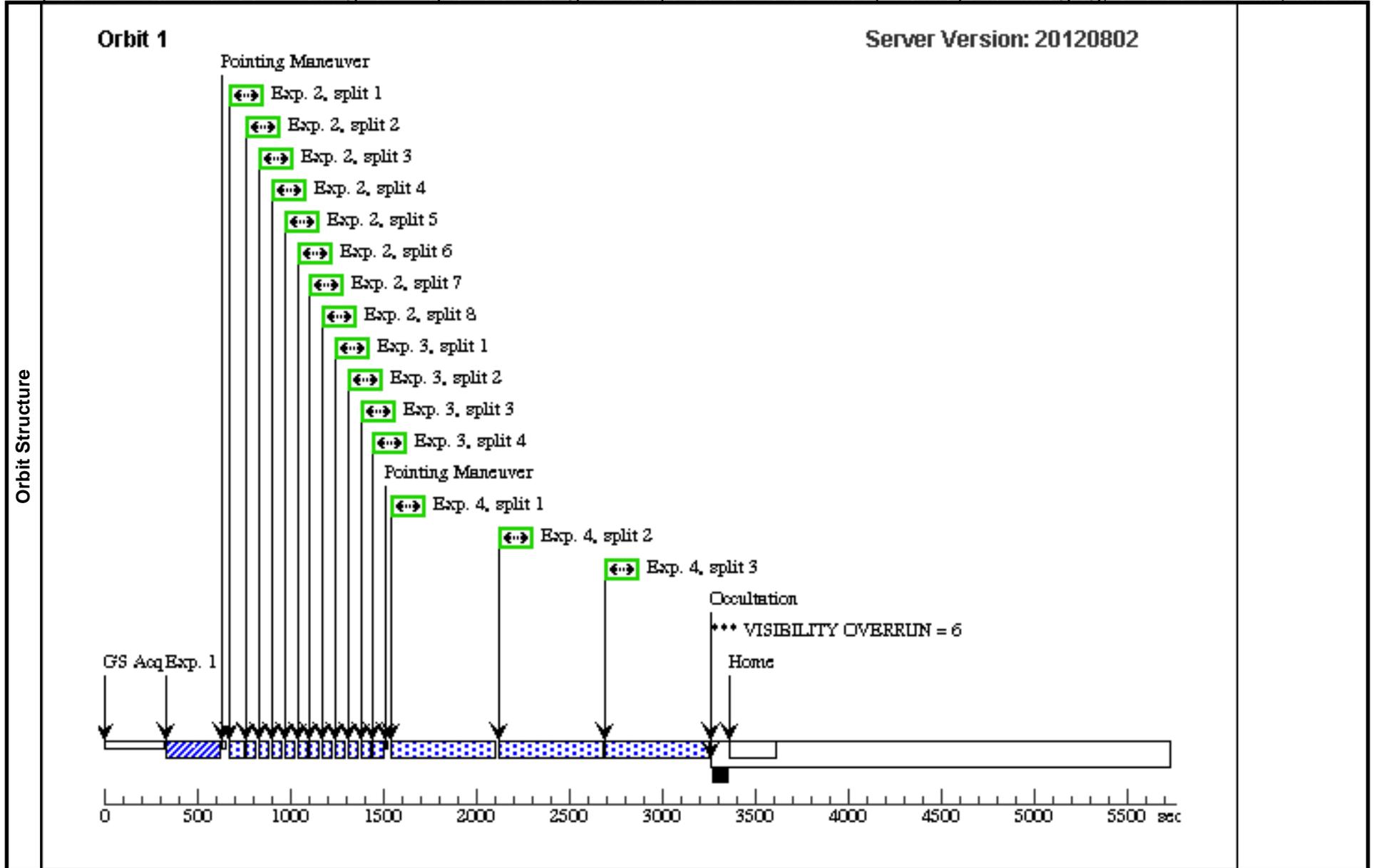
Proposal 12228 - Visit 35 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:26:50 GMT 2012

Visit	<p>Proposal 12228, Visit 35, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 70D TO 110D FROM 31</p> <p><i>Comments: AU MIC (V=8.61, B-V = + 1.45).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD15115 at different relative orientations with one PSF calibration observation interleaved. This is the first HD15115 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (35) at EITHER -90 deg OR +90 deg from Visit 31. Either is equally acceptable, but there is no way to specify this via APT 18.2, so we arbitrarily specify an acceptable Orientation From in the positive range (because it worked) of +70 to +110 deg (to aid in schedulability and acceptable to our needs). If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable she may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit 31</i></p> <p><i>Schedule in orbit immediately before Visit 36.</i></p>																																		
	<p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 35) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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Proposal 12228 - Visit 35 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	AUMIC_A CQ	(4) AU-MIC	STIS/CCD, ACQ, F25ND3	MIRROR			GS ACQ SCENARI O BASE1B3	0.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 8.61, sp = MIVe, Exptime rounded to nearest 0.1 second</i>										
	2	AUMIC_SH ORTS_1	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			364 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	3	AUMIC_SH ORTS_2	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			182 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i>										
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	4	AUMIC_LO NG	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1629 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>											
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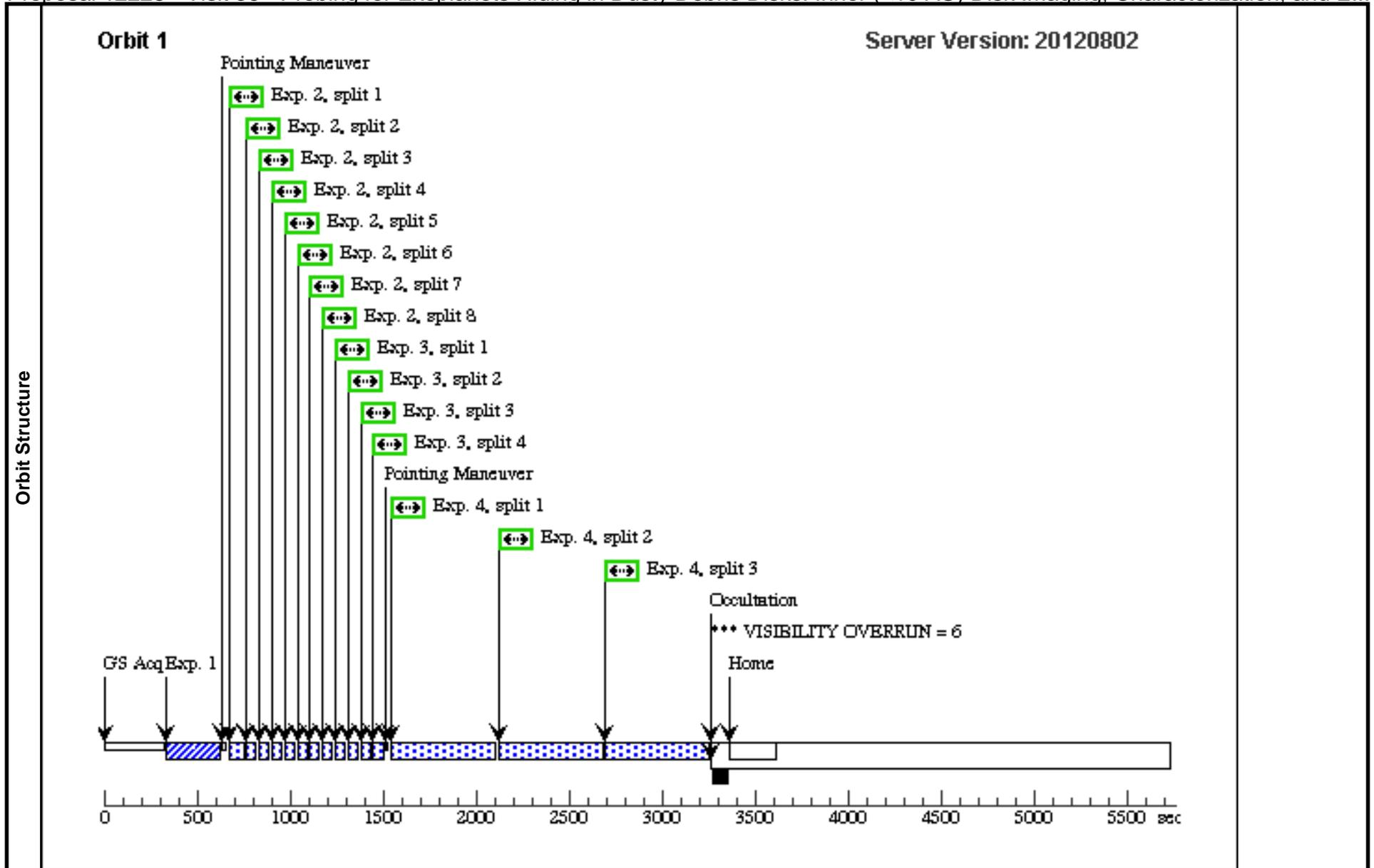
Proposal 12228 - Visit 36 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:26:58 GMT 2012

Visit	<p>Proposal 12228, Visit 36, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 30D TO 30D FROM 35; AFTER 35 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: AU MIC (V=8.61, B-V = + 1.45).</i></p> <p><i>Second of two sets of visits, each containing three visits of AU MIC at different relative orientations with one PSF calibration observation interleaved. This is the second AU MIC visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (36) at +30 deg from Visit 35. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (36) should immediately follow visit 35 and immediately precede visit 37. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 36) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 36) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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Proposal 12228 - Visit 36 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	AUMIC_A CQ	(4) AU-MIC	STIS/CCD, ACQ, F25ND3	MIRROR			GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 8.61, sp = MIVe, Exptime rounded to nearest 0.1 second</i>										
	2	AUMIC_SH ORTS_1	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4				364 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	3	AUMIC_SH ORTS_2	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4				182 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i>										
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	4	AUMIC_LO NG	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4				1629 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>											
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>											



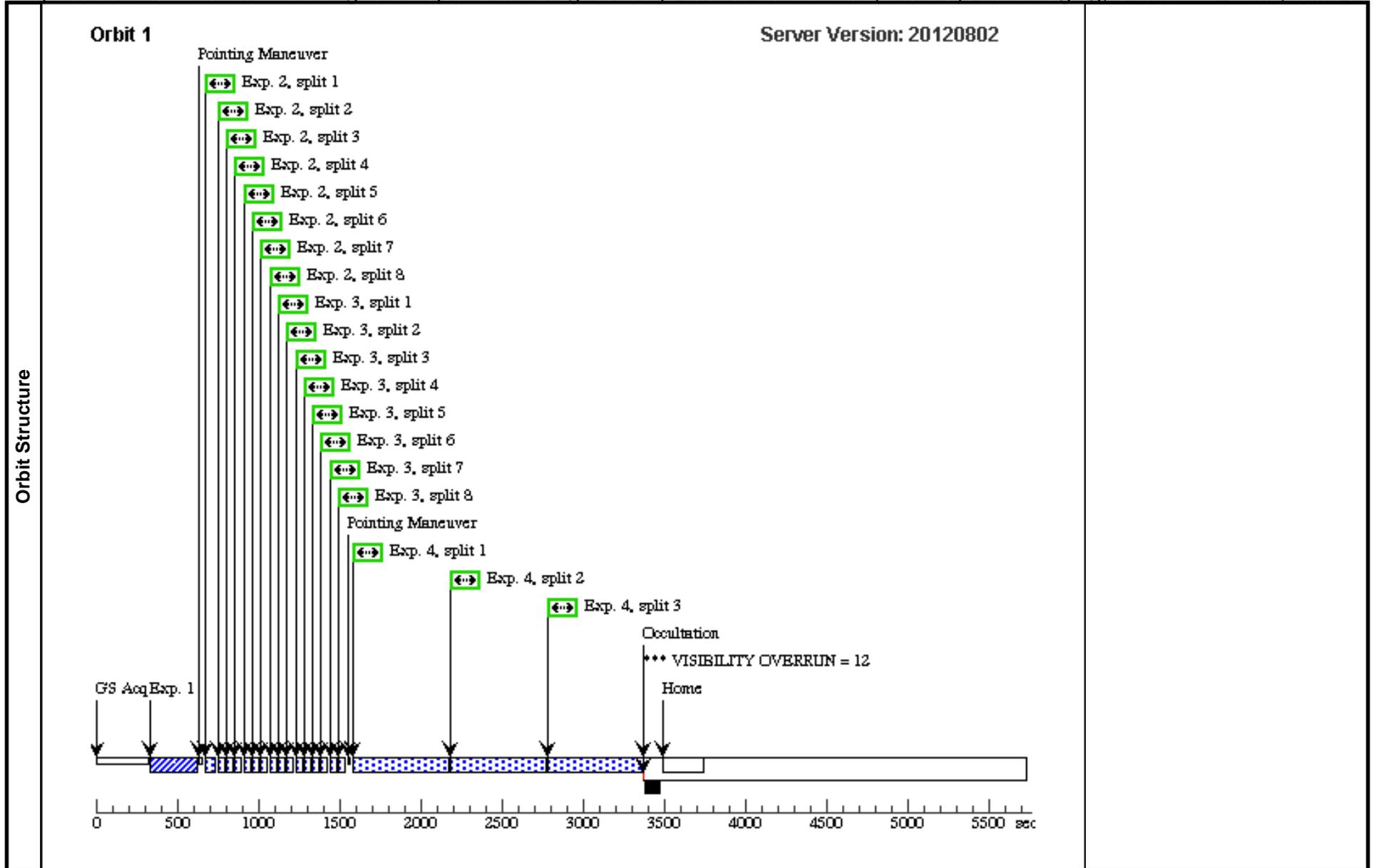
Proposal 12228 - Visit 37 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:27:05 GMT 2012

Visit	<p>Proposal 12228, Visit 37, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 36 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF04A (HD191849). PSF calibration target for AU MIC. V = 7.97. B-V = +1.46. This is the PSF star calibrator for the flanking visits (35-38). We levy no orientation constraints on this visit (37). However, we choose this target very close in the sky to its paired science target. So as Visits 36 and 37 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 36 will be) the we expect absolute orientations of Visits 36 and 37 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (37) should immediately follow visit 36 and immediately precede visit 38. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																
	<p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 37) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>PSF04A-AUMIC-HD191849</td> <td>RA: 20 13 53.3963 (303.4724846d) Dec: -45 09 50.47 (-45.16402d)</td> <td>Proper Motion RA: 778.26 mas/yr Proper Motion Dec: -159.54 mas/yr Parallax: 0.16118" Epoch of Position: 2000</td> <td>V=7.97 B-V = +1.46</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(15)	PSF04A-AUMIC-HD191849	RA: 20 13 53.3963 (303.4724846d) Dec: -45 09 50.47 (-45.16402d)	Proper Motion RA: 778.26 mas/yr Proper Motion Dec: -159.54 mas/yr Parallax: 0.16118" Epoch of Position: 2000	V=7.97 B-V = +1.46	Reference Frame: ICRS				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(15)	PSF04A-AUMIC-HD191849	RA: 20 13 53.3963 (303.4724846d) Dec: -45 09 50.47 (-45.16402d)	Proper Motion RA: 778.26 mas/yr Proper Motion Dec: -159.54 mas/yr Parallax: 0.16118" Epoch of Position: 2000	V=7.97 B-V = +1.46	Reference Frame: ICRS												
<p><i>Comments: Spec. M0V</i></p> <p><i>USNO-2: R=15.1 @ r = 0.39'; 6 stars R=15.1-17.9 @ 0.39' < r < 0.92'</i></p> <p><i>HST/ACS-coron perigree: Graham et al 2007</i></p> <p><i>HST/NICMOS 7240 Verified Suitable from HST Images</i></p>																	

Proposal 12228 - Visit 37 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF04A_A CQ	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.97, sp = MOVE, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF04A_SH ORTS_1	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		244.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.97 so saturation in 34.0s. So 90% full well in appx 30.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	PSF04A_SH ORTS_2	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		244.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.97 so saturation in 34.0s. So 90% full well in appx 30.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF04A_L ONG	(15) PSF04A-AUMI C-HD191849	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1713 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: V = 6.26 so saturation in 12.1s. So 90% full well in appx 10.9s. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



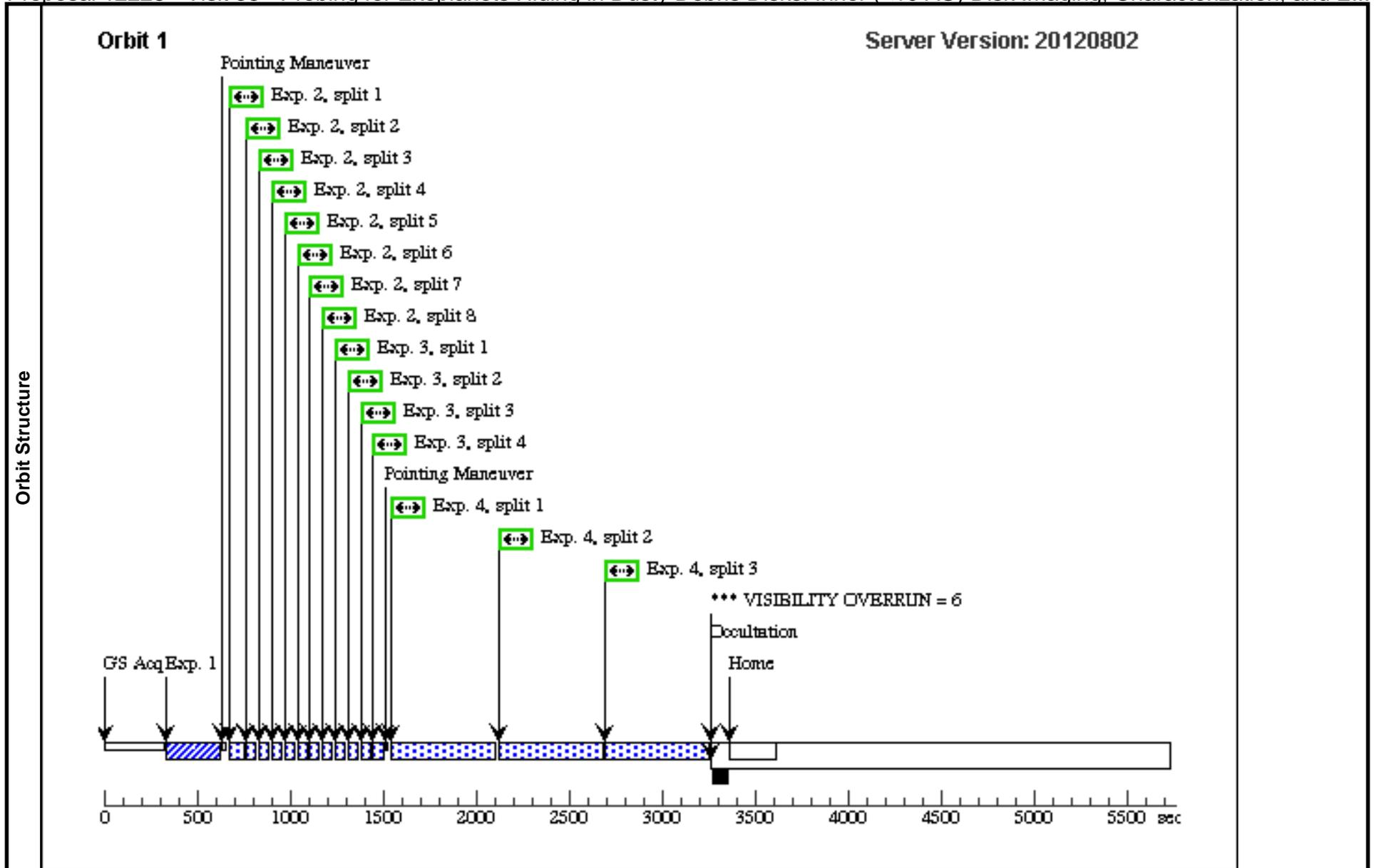
Proposal 12228 - Visit 38 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:27:15 GMT 2012

Visit	<p>Proposal 12228, Visit 38, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 59D TO 60D FROM 35; AFTER 37 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: AU MIC (V=8.61, B-V = + 1.45).</i></p> <p><i>Second of two sets of visits, each containing three visits of AU MIC at different relative orientations with one PSF calibration observation interleaved. This is the third AU MIC visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (38) at +60 deg from Visit 35. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (38) should immediately follow Visit 37. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 38) Warning (Orbit Planner): VISIBILITY OVERRUN</p>																																		
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																													
(4)	AU-MIC	RA: 20 45 9.5318 (311.2897158d)	Proper Motion RA: 280.37 mas/yr	V=8.61	Reference Frame: ICRS																														
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			Epoch of Position: 2000																																
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. MIV</i></p>																																			

Proposal 12228 - Visit 38 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	AUMIC_A CQ	(4) AU-MIC	STIS/CCD, ACQ, F25ND3	MIRROR			GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.80, sp = F2, Exptime rounded to nearest 0.1 second</i>										
	2	AUMIC_SH ORTS_1	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4				364 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	3	AUMIC_SH ORTS_2	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4				182 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
	4	AUMIC_LO NG	(4) AU-MIC	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4				1629 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>											
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>											



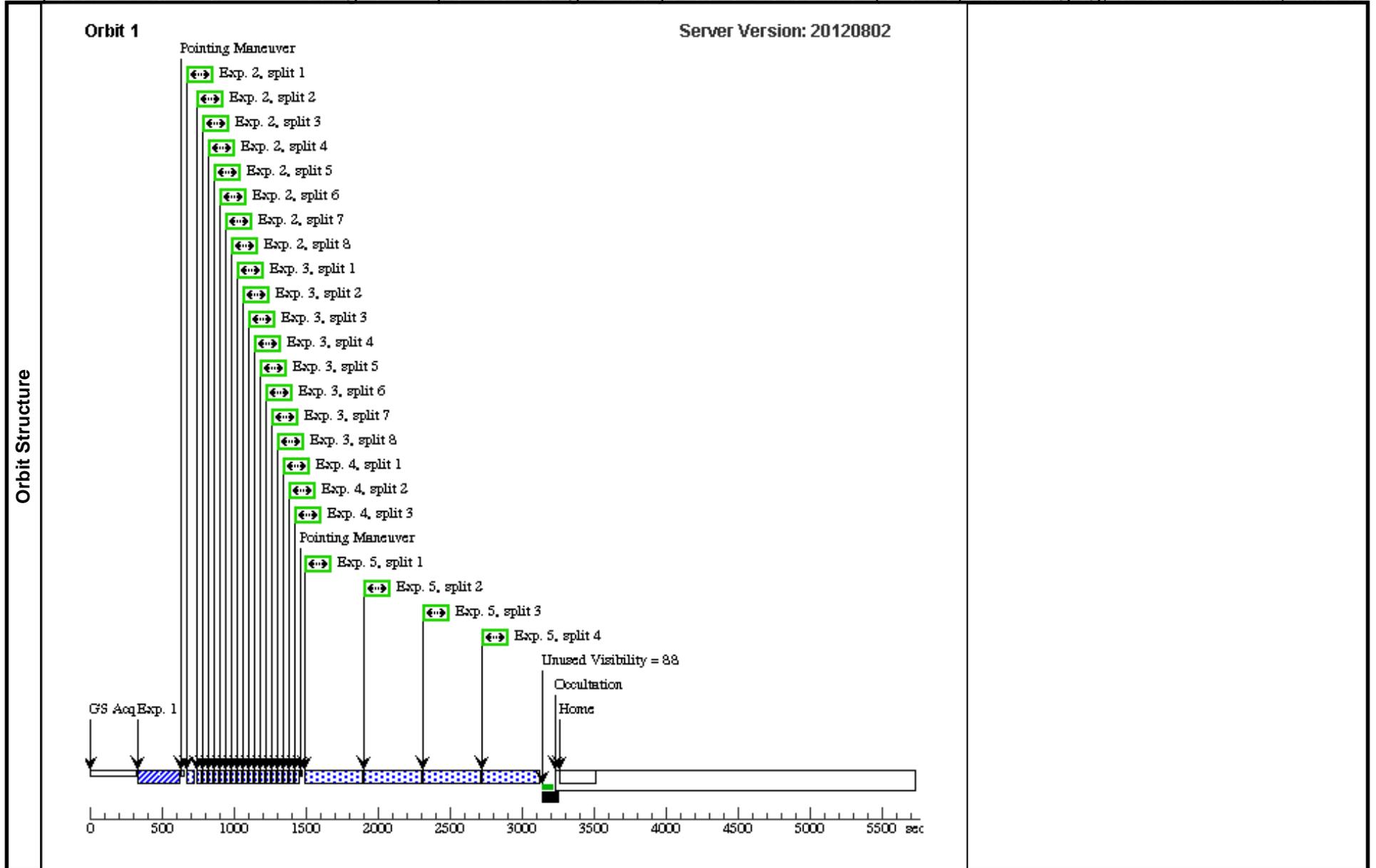
Proposal 12228 - Visit 41 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD15115_A CQ	(5) HD15115	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.30 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 6.80, sp = F2, Exptimne rounded to nearest 0.1 second</i></p>									
2	HD15115_S HORTS_1	(5) HD15115	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD15115_S HORTS_2	(5) HD15115	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. ts.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD15115_S HORTS_2	(5) HD15115	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			54 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. ts.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Exposures

Proposal 12228 - Visit 41 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD15115_L (5) HD15115 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1528 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. HD15115 is $V = 6.80$ so saturation in 20.0s.</i></p> <p><i>SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go ~ 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

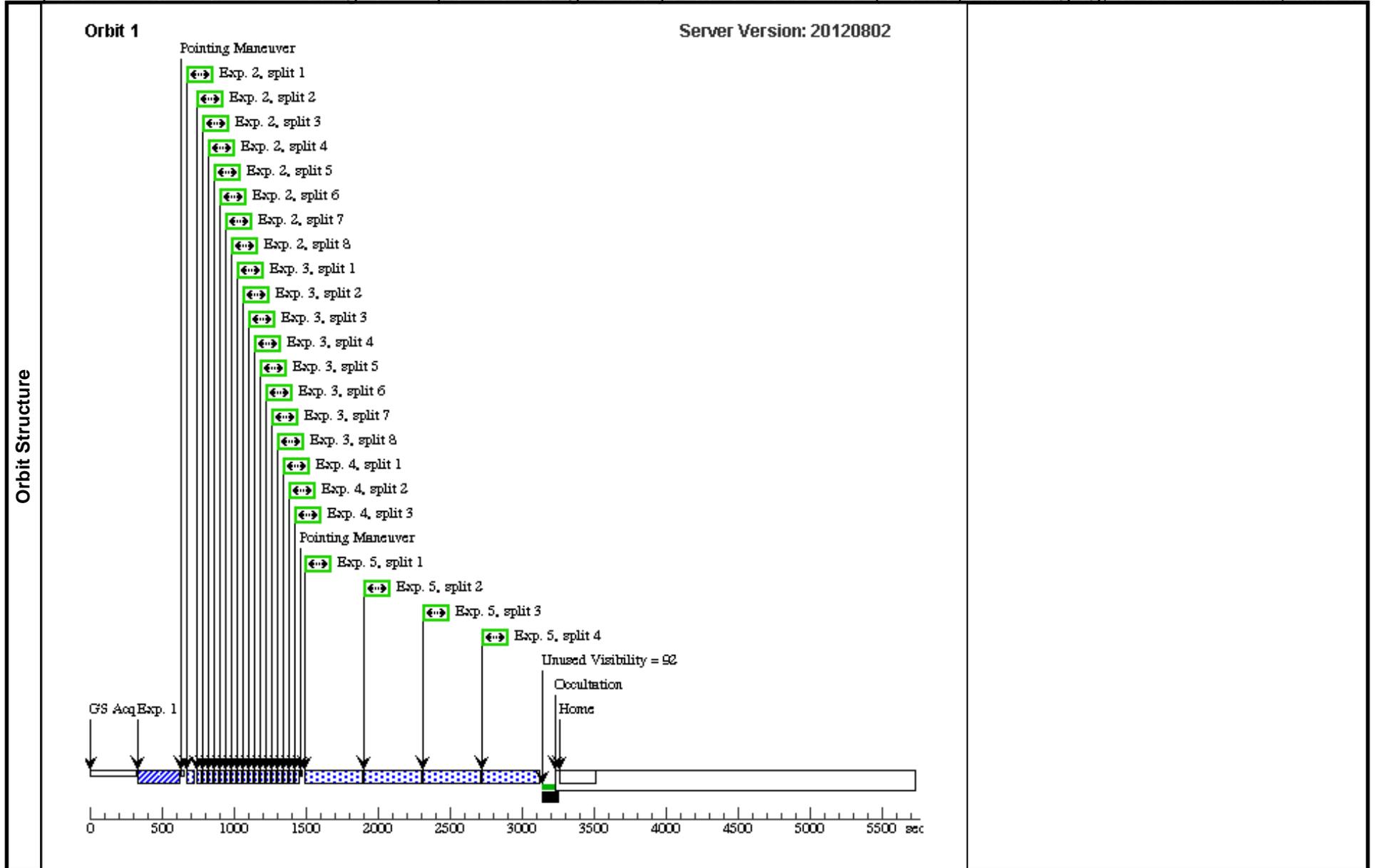


Proposal 12228 - Visit 42 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD15115_A (5) HD15115 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 6.80, sp = F2, Exptimne rounded to nearest 0.1 second</i>									
	2	HD15115_S (5) HD15115 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	HD15115_S (5) HD15115 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
4	HD15115_S (5) HD15115 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			54 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. ts.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										

Proposal 12228 - Visit 42 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD15115_L (5) HD15115 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1524 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Visit	<p>Proposal 12228, Visit 43, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 42 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF5A (HD16647). PSF calibration target for HD15115. V = 6.26. B-V = +0.37.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (41-44). We levy no orientation constraints on this visit (43). However, we choose this target very close in the sky to its paired science target. So as Visits 42 and 43 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 42 will be) the we expect absolute orientations of Visits 42 and 43 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (43) should immediately follow visit 42 and immediately precede visit 44. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>
Diagnostics	<p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 43) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>

Proposal 12228 - Visit 43 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

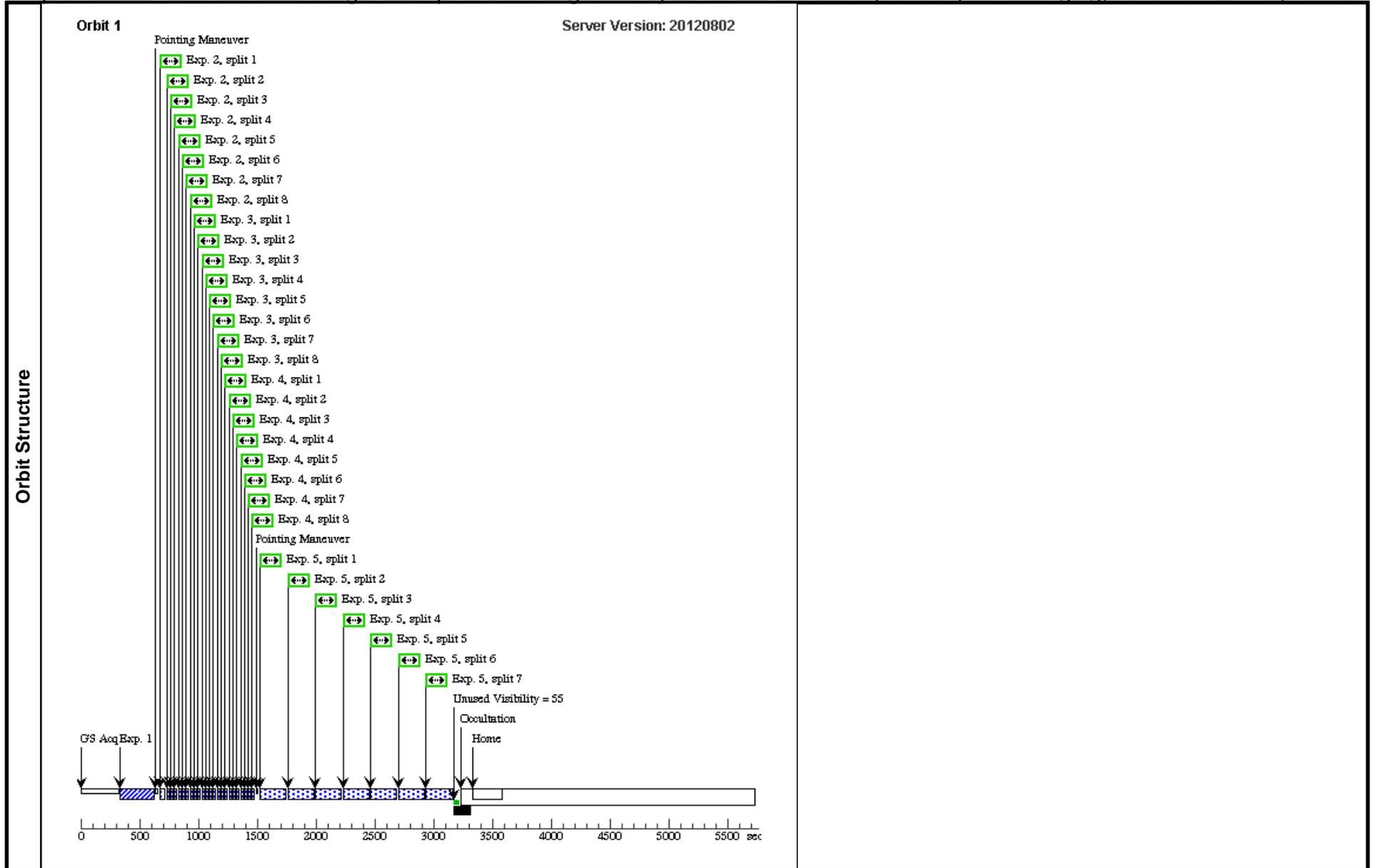
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	PSF05A-HD15115- HD16647	RA: 02 40 15.6930 (40.0653875d) Dec: +06 06 43.00 (6.11194d)	Proper Motion RA: 51.42 mas/yr Proper Motion Dec: -3.79 mas/yr	V=6.26 B-V = +0.37	Reference Frame: ICRS
Alt Name1: HR783 Alt Name2: GSC00053- 00623		Equinox: J2000	Parallax: 0.02524" Epoch of Position: 2000			
	<i>Comments: Spec: F3V</i>					
	<i>USNO-2: R=16.8 @ r = 0.67'; 3 stars R=15.6-18.0 @ 0.66' < r < 0.95'</i>					
	<i>HST/NICMOS-Coron Pedigree Debes et al 2008 Verified Suitable from HST Images</i>					

Proposal 12228 - Visit 43 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF05A_A CQ	(16) PSF05A-HD151 15-HD16647	STIS/CCD, ACQ, F25ND3	MIRROR			0.2 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 6.26, sp = F3V, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF05A_SH ORTS_1	(16) PSF05A-HD151 15-HD16647	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			87.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.26 so saturation in 12.1s. So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF05A_SH ORTS_2	(16) PSF05A-HD151 15-HD16647	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			87.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.26 so saturation in 12.1s. So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 43 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF05A_SH (16) PSF05A-HD151 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS3 15-HD16647	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	87.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$.				
$V = 6.26$ so saturation in 12.1s.				
So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated with multiple CR Splits.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$)				
For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target				
to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the				
Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.				
5	PSF05A_L (16) PSF05A-HD151 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 15-HD16647	SIZEAXIS2=427; CR-SPLIT=7; GAIN=4	1440 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]
Comments: $V = 6.26$ so saturation in 12.1s.				
So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.				
For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of				
visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$)				
For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target				
to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the				
Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.				



Proposal 12228 - Visit 44 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:28:02 GMT 2012

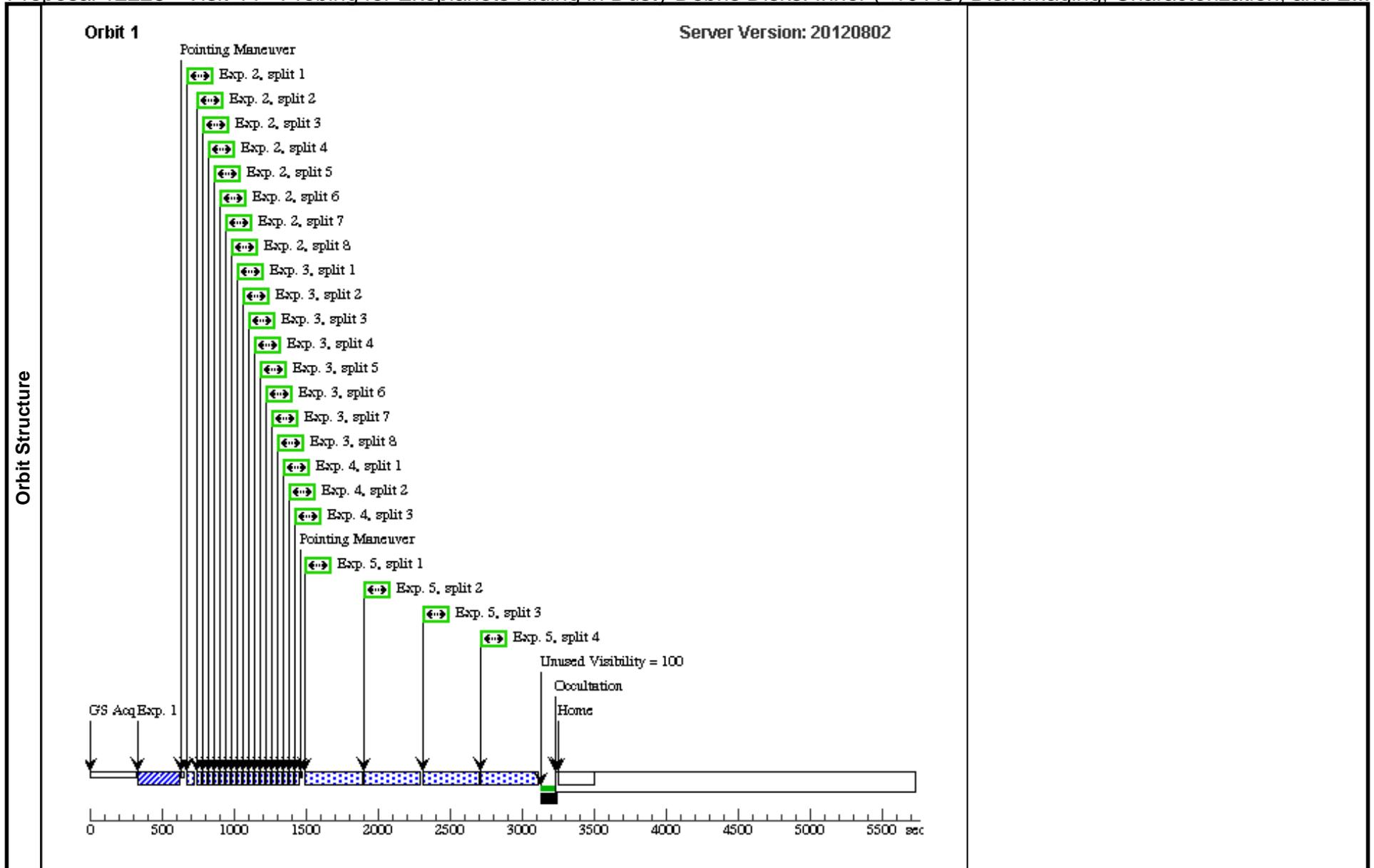
Visit	<p>Proposal 12228, Visit 44, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 25D TO 25D FROM 42; AFTER 43 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD15115 (V=6.80, B-V = + 0.35).</i></p> <p><i>First of two sets of visits, each containing three visits of HD15115 at different relative orientations with one PSF calibration observation interleaved. This is the third HD15115 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (44) at +30 deg from Visit 42, with the absolute orientation of Visit 42 unconstrained.</i></p> <p><i>Relative Timing: This visit (44) should immediately follow Visit 43. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
	<p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 44) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 44) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																			
Diagnosics																																				
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>HD15115</td> <td>RA: 02 26 16.2447 (36.5676862d)</td> <td>Proper Motion RA: 86.09 mas/yr</td> <td>V=6.80</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP11360</td> <td>Dec: +06 17 33.19 (6.29255d)</td> <td>Proper Motion Dec: -50.13 mas/yr</td> <td>B-V = +0.35</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC00045-00990</td> <td>Equinox: J2000</td> <td>Parallax: 0.02233"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	HD15115	RA: 02 26 16.2447 (36.5676862d)	Proper Motion RA: 86.09 mas/yr	V=6.80	Reference Frame: ICRS		Alt Name1: HIP11360	Dec: +06 17 33.19 (6.29255d)	Proper Motion Dec: -50.13 mas/yr	B-V = +0.35			Alt Name2: GSC00045-00990	Equinox: J2000	Parallax: 0.02233"						Epoch of Position: 2000			<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec: F2</i></p>				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																														
(5)	HD15115	RA: 02 26 16.2447 (36.5676862d)	Proper Motion RA: 86.09 mas/yr	V=6.80	Reference Frame: ICRS																															
	Alt Name1: HIP11360	Dec: +06 17 33.19 (6.29255d)	Proper Motion Dec: -50.13 mas/yr	B-V = +0.35																																
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			Epoch of Position: 2000																																	

Proposal 12228 - Visit 44 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD15115_A (5) HD15115 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 6.80, sp = F2, Exptime rounded to nearest 0.1 second</i>									
	2	HD15115_S (5) HD15115 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	HD15115_S (5) HD15115 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
4	HD15115_S (5) HD15115 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			54 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. ts.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										

Proposal 12228 - Visit 44 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD15115_L (5) HD15115 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1515 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go $< = 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

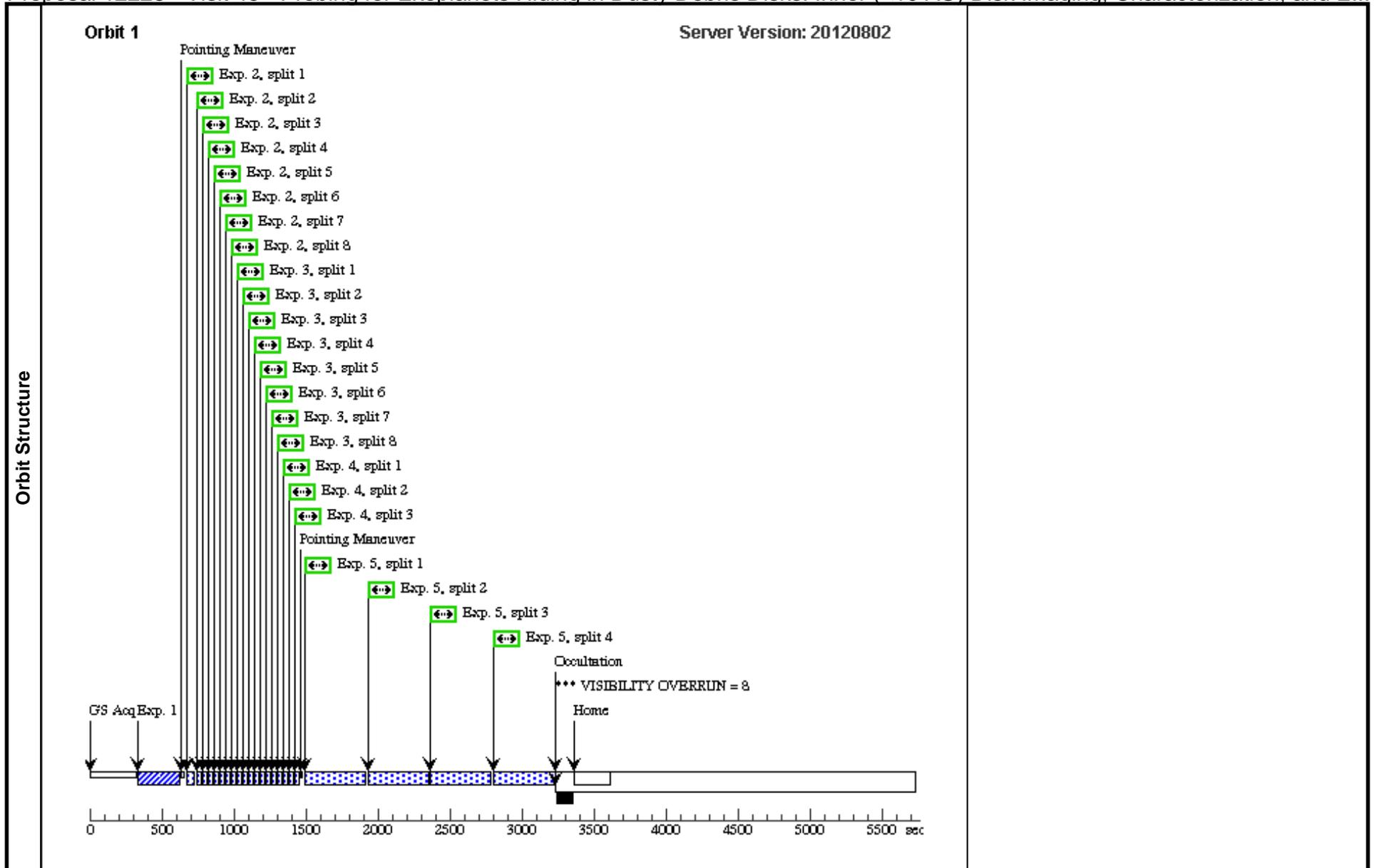


Proposal 12228 - Visit 45 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15115_A (5) HD15115 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.80, sp = F2, Exptimne rounded to nearest 0.1 second</i>								
	2	HD15115_S (5) HD15115 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD15115_S (5) HD15115 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD15115_S (5) HD15115 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			54 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 45 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD15115_L (5) HD15115 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1622 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

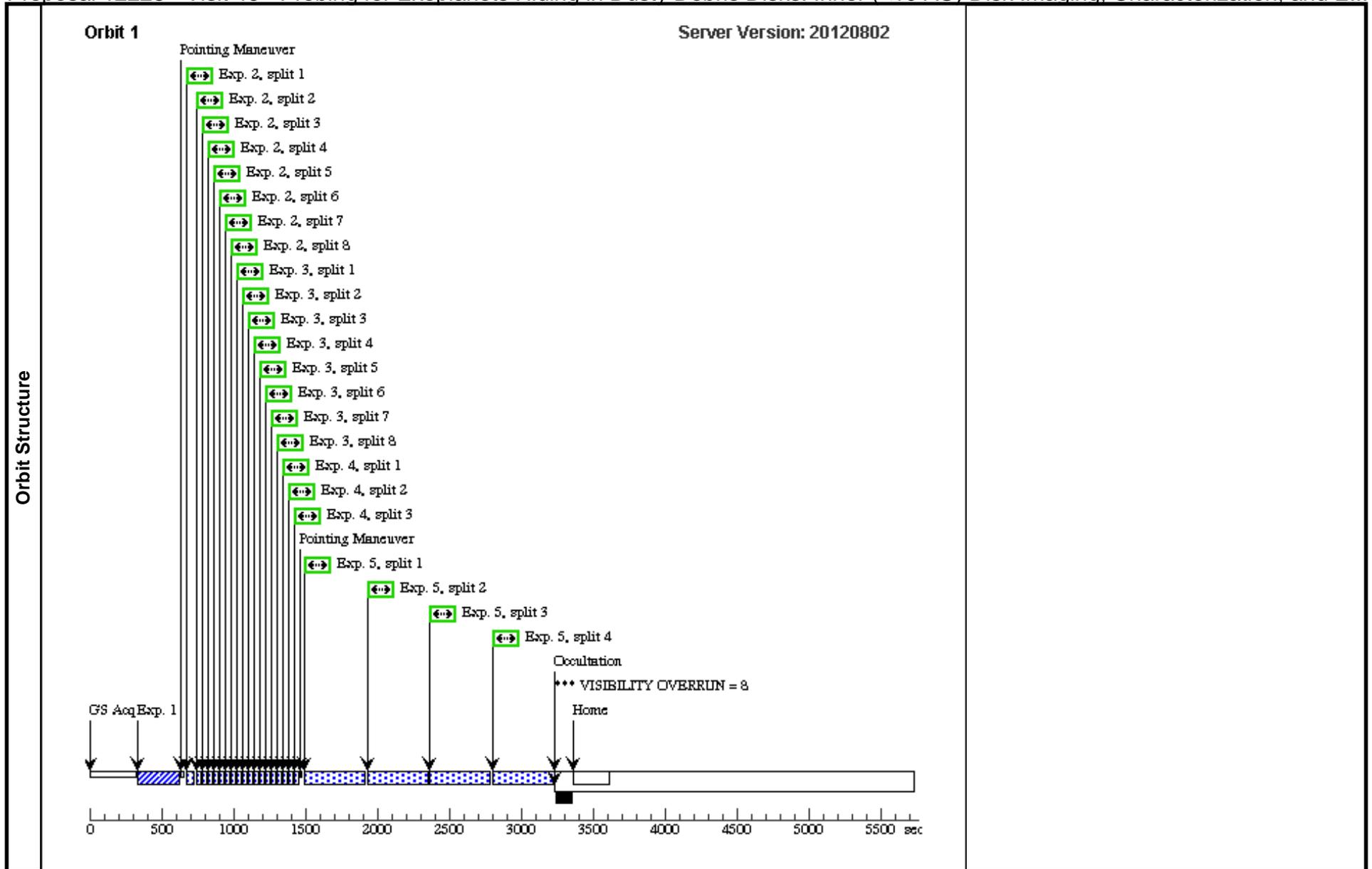


Proposal 12228 - Visit 46 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15115_A (5) HD15115 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.80, sp = F2, Exptime rounded to nearest 0.1 second</i>								
	2	HD15115_S (5) HD15115 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD15115_S (5) HD15115 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD15115_S (5) HD15115 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			54 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 46 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD15115_L (5) HD15115 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1622 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)]	[1]
<p><i>Comments: So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i></p> <p><i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 47 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	PSF05A-HD15115- HD16647 Alt Name1: HR783 Alt Name2: GSC00053- 00623	RA: 02 40 15.6930 (40.0653875d) Dec: +06 06 43.00 (6.11194d) Equinox: J2000	Proper Motion RA: 51.42 mas/yr Proper Motion Dec: -3.79 mas/yr Parallax: 0.02524" Epoch of Position: 2000	V=6.26 B-V = +0.37	Reference Frame: ICRS
	<i>Comments: Spec: F3V</i>					
	<i>USNO-2: R=16.8 @ r = 0.67'; 3 stars R=15.6-18.0 @ 0.66' < r < 0.95'</i>					
	<i>HST/NICMOS-Coron Pedigree Debes et al 2008 Verified Suitable from HST Images</i>					

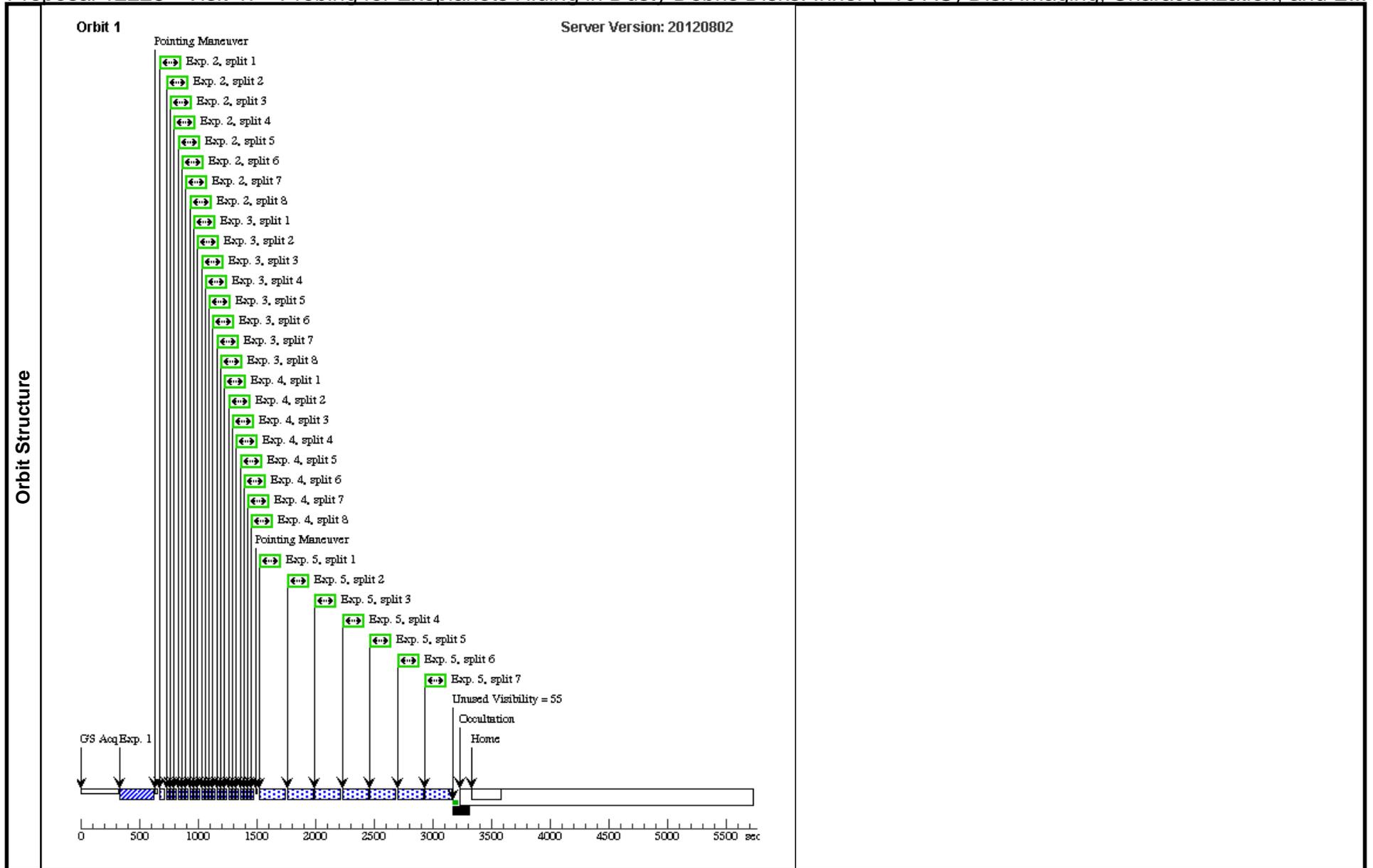
Proposal 12228 - Visit 47 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF05A_A CQ	(16) PSF05A-HD151 15-HD16647	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs	
								[==>]	[1]
								<i>Comments: SNR = 100, V = 6.26, sp = F3V, Exptime rounded to nearest 0.1 second</i>	
2	PSF05A_SH ORTS_1	(16) PSF05A-HD151 15-HD16647	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			87.2 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.26 so saturation in 12.1s. So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	PSF05A_SH ORTS_2	(16) PSF05A-HD151 15-HD16647	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			87.2 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.26 so saturation in 12.1s. So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>									
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Exposures

Proposal 12228 - Visit 47 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF05A_SH (16) PSF05A-HD151 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS_2 15-HD16647	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	87.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. $V = 6.26$ so saturation in 12.1s. So 90% full well in appx 10.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>				
5	PSF05A_L (16) PSF05A-HD151 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 15-HD16647	SIZEAXIS2=427; CR-SPLIT=7; GAIN=4	1440 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]
<p>Comments: $V = 6.26$ so saturation in 12.1s. So 90% full well in appx 10.9s. For long exposures at WedgeA1.0 go $\leq 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				

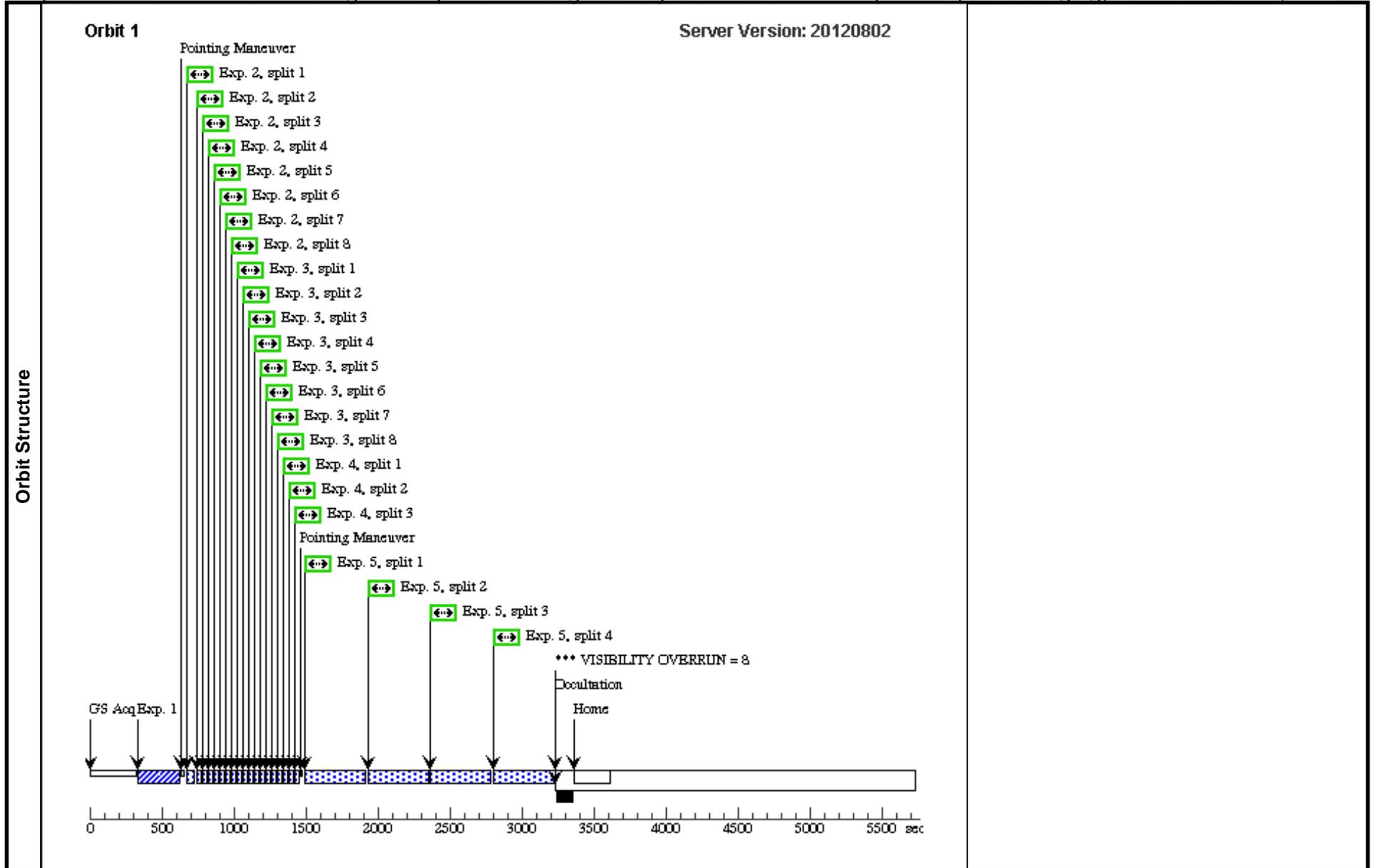


Proposal 12228 - Visit 48 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15115_A (5) HD15115 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 6.80, sp = F2, Exptimne rounded to nearest 0.1 second</i></p>								
	2	HD15115_S (5) HD15115 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD15115_S (5) HD15115 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			144 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD15115_S (5) HD15115 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			54 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD15115 is V = 6.80 so saturation in 20.0s. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 48 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD15115_L (5) HD15115 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4	1622 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. So 90% full well in appx 18.0s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go $<= 20x$ deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



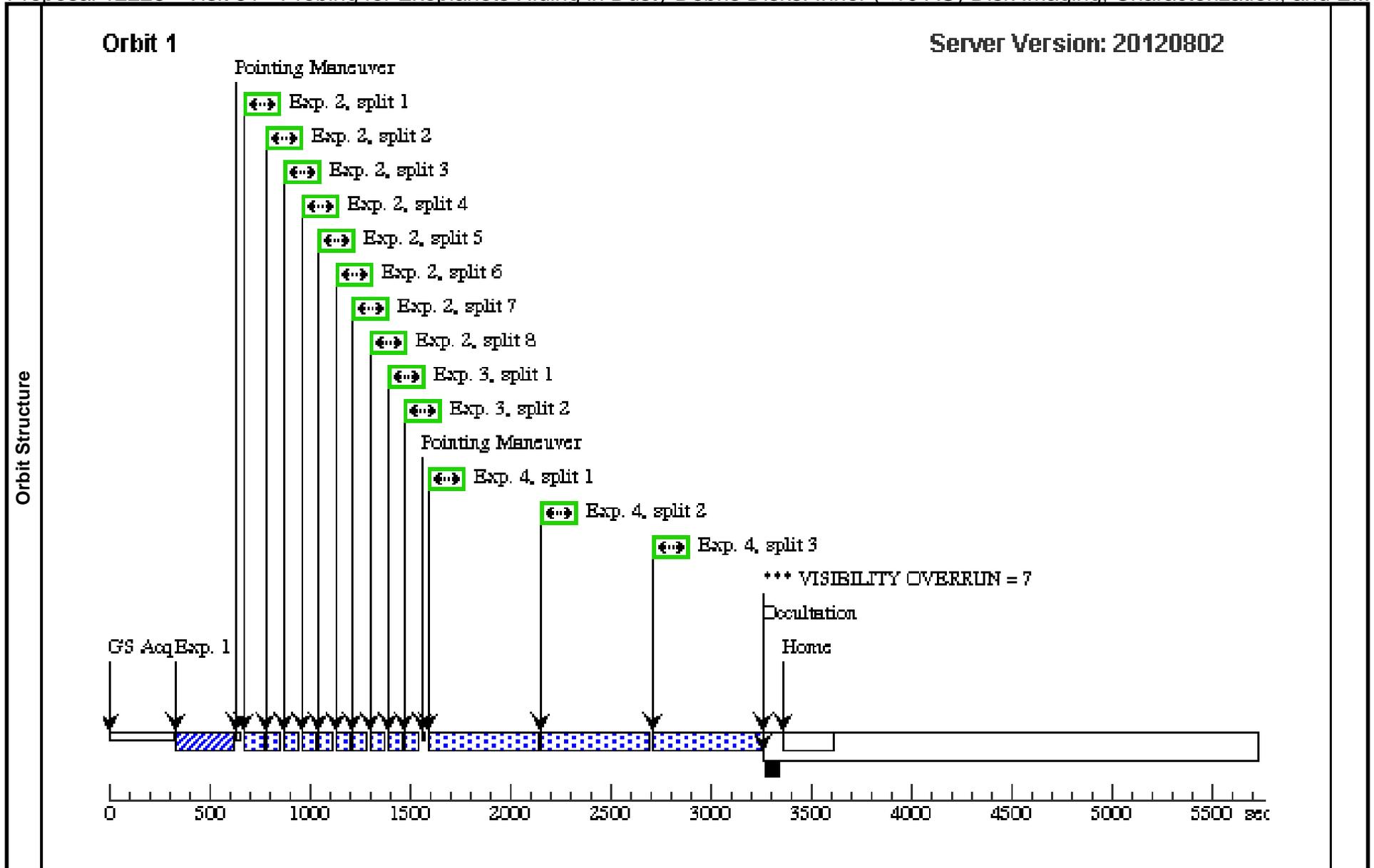
Proposal 12228 - Visit 51 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:29:07 GMT 2012

Visit	<p>Proposal 12228, Visit 51, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -20D TO -20D FROM 52</p> <p><i>Comments: HD 61005 (V=8.22, B-V = +0.71).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 61005 at different relative orientations with one PSF calibration observation interleaved. This is the first HD 61005 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (51) at -30 deg from Visit 52, with the absolute orientation of Visit 52 unconstrained.</i></p> <p><i>Relative Timing: This visit (51) should immediately precede visit (52). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
	<p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 51) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 51) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 51) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																			
Diagnosics																																				
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. G8V</i></p>																																				

Proposal 12228 - Visit 51 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD61005_A CQ	(6) HD61005	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.80 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 8.22, sp = G8V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD61005_S HORTS_1	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			505 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD61005_S HORTS_2	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=2; GAIN=4			126.4 Secs [==>(Split 1)] [==>(Split 2)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD61005_L ONG	(6) HD61005	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1583 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. For long exposures at WedgeA1.0 go as deep as possible to fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

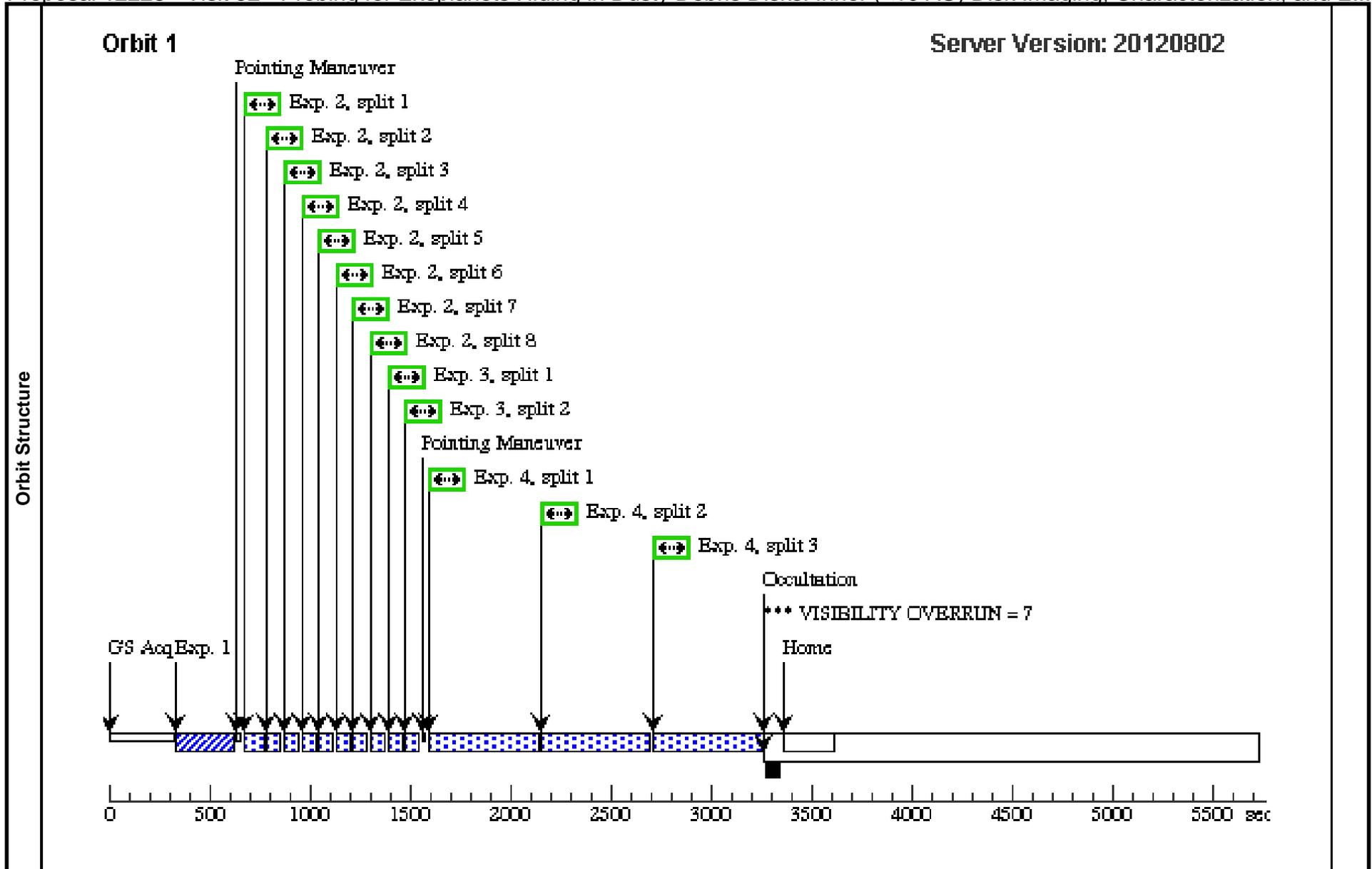


Visit	<p>Proposal 12228, Visit 52, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 51 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HHD 61005 (V=8.22, B-V = +0.71).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 61005 at different relative orientations with one PSF calibration observation interleaved. This is the second HD 61005 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: There are no orientation constraints on this visit (52). Visits 51, 53, 54, 55, and 58 carry relative orientation constraints w.r.t. this visit.</i></p> <p><i>Relative Timing: This visit (52) should immediately follow Visit 51 and immediately precede Visit 53 in back-to-back orbits.</i></p>																																			
	<p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 52) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																																			
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. G8V</i></p>																																				

Proposal 12228 - Visit 52 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD61005_A CQ	(6) HD61005	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.8 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 8.22, sp = G8V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD61005_S HORTS_1	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			505 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD61005_S HORTS_2	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=2; GAIN=4			126.4 Secs [==>(Split 1)] [==>(Split 2)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD61005_L ONG	(6) HD61005	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1583 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. For long exposures at WedgeA1.0 go as deep as possible to fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



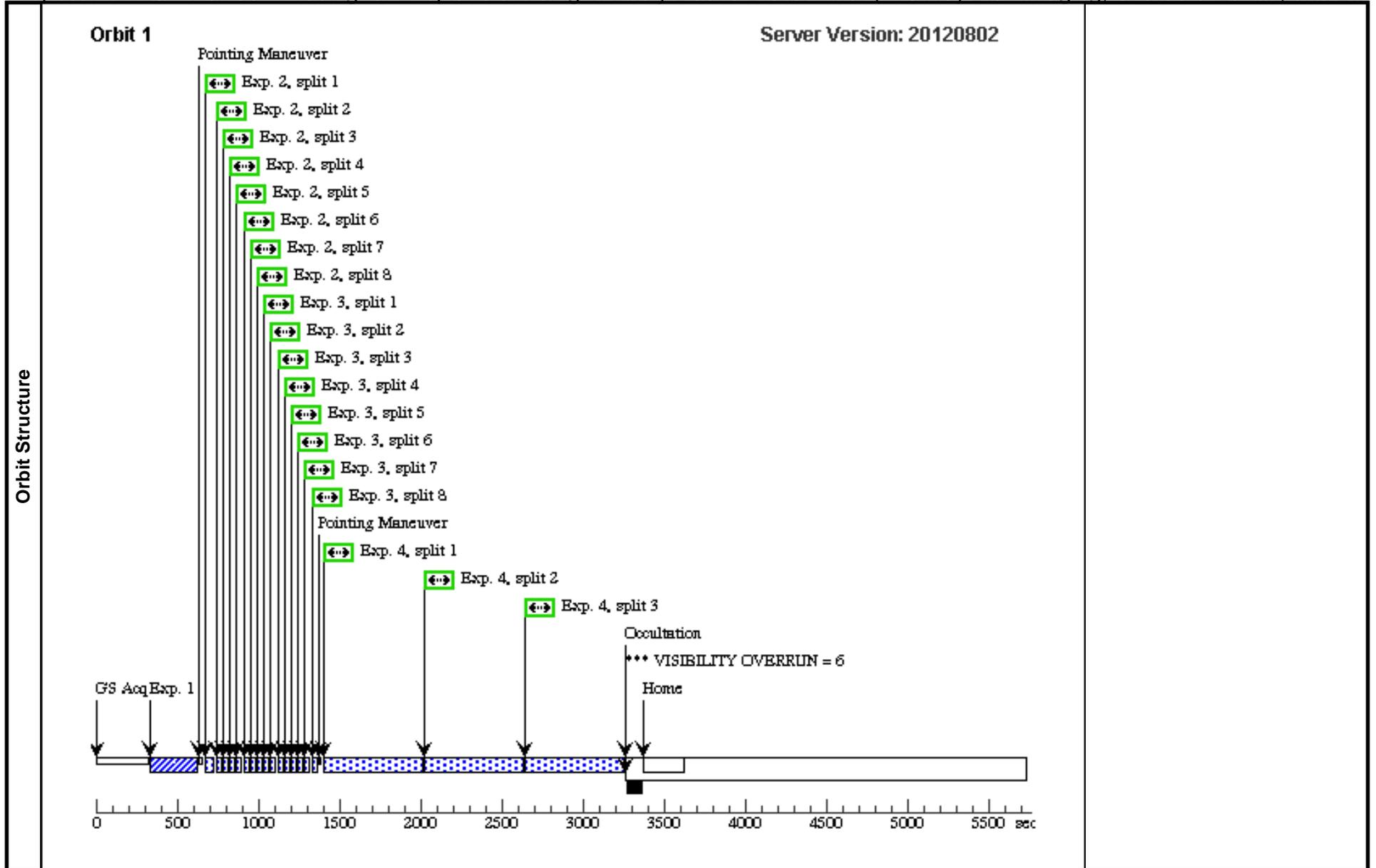
Visit	<p>Proposal 12228, Visit 53, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 52 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF06A (HD56161). PSF calibration target for HD 61005 . V = 6.937. B - V = +0.75.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (51-54). We levy no orientation constraints on this visit (53). However, we choose this target very close in the sky to its paired science target. So as Visits 52 and 53 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 52 will be) the we expect absolute orientations of Visits 52 and 53 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (53) should immediately follow visit 52 and immediately precede visit 54. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>
	Diagnostics

Proposal 12228 - Visit 53 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(17)	PSF06A-HD61005- HD56161	RA: 07 14 36.6988 (108.6529117d) Dec: -30 39 17.64 (-30.65490d)	Proper Motion RA: -91.60 mas/yr Proper Motion Dec: 55.59 mas/yr	V=6.937 B - V = +0.747	Reference Frame: ICRS
Alt Name1: HIP35017 Alt Name2: SAO197738		Equinox: J2000	Parallax: 0.00820" Epoch of Position: 2000			
<i>Comments: Spec. G5IV</i>						
<i>USNO-2: R=14.0 @ r = 0.61'; 19 stars R=12.7-17.9 @ 0.6' < r < 1.0'</i>						
<i>No HST Pedigree. Possible astrometric binary (Frankowski et al 2007). Possible Variable.</i>						

Proposal 12228 - Visit 53 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF06A_A CQ	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR >~ 100, V = 6.973, sp = G5IV, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF06A_SH ORTS_1	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		157.1 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.94 so saturation in 21.8s. So 90% full well in appx 19.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	PSF06A_SH ORTS_2	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		157.1 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.94 so saturation in 21.8s. So 90% full well in appx 19.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF06A_L ONG	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1773 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

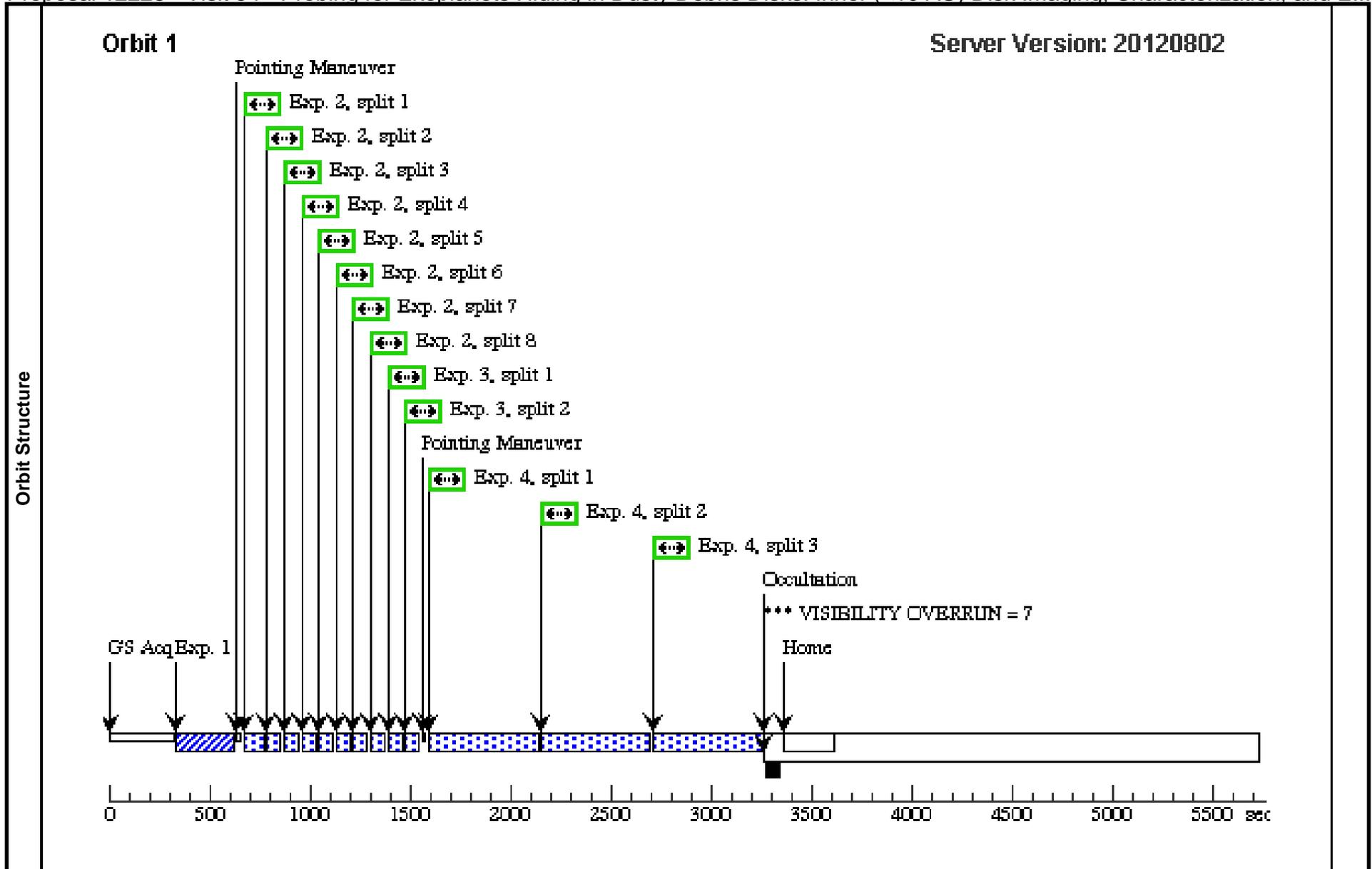


Visit	<p>Proposal 12228, Visit 54, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 20D TO 20D FROM 52; AFTER 53 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 61005 (V=8.22, B-V = +0.71).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 61005 at different relative orientations with one PSF calibration observation interleaved. This is the third HD 61005 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (54) at +30 deg from Visit 52, with the absolute orientation of Visit 52 unconstrained.</i></p> <p><i>Relative Timing: This visit (54) should immediately follow Visit 53. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
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Proposal 12228 - Visit 54 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD61005_A CQ	(6) HD61005	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.8 Secs [==>]	[1]
<p><i>Comments: SNR >~ 100, V = 8.22, sp = G8V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD61005_S HORTS_1	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			505 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD61005_S HORTS_2	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=2; GAIN=4			126.4 Secs [==>(Split 1)] [==>(Split 2)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD61005_L ONG	(6) HD61005	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1583 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. For long exposures at WedgeA1.0 go as deep as possible to fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit 55 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

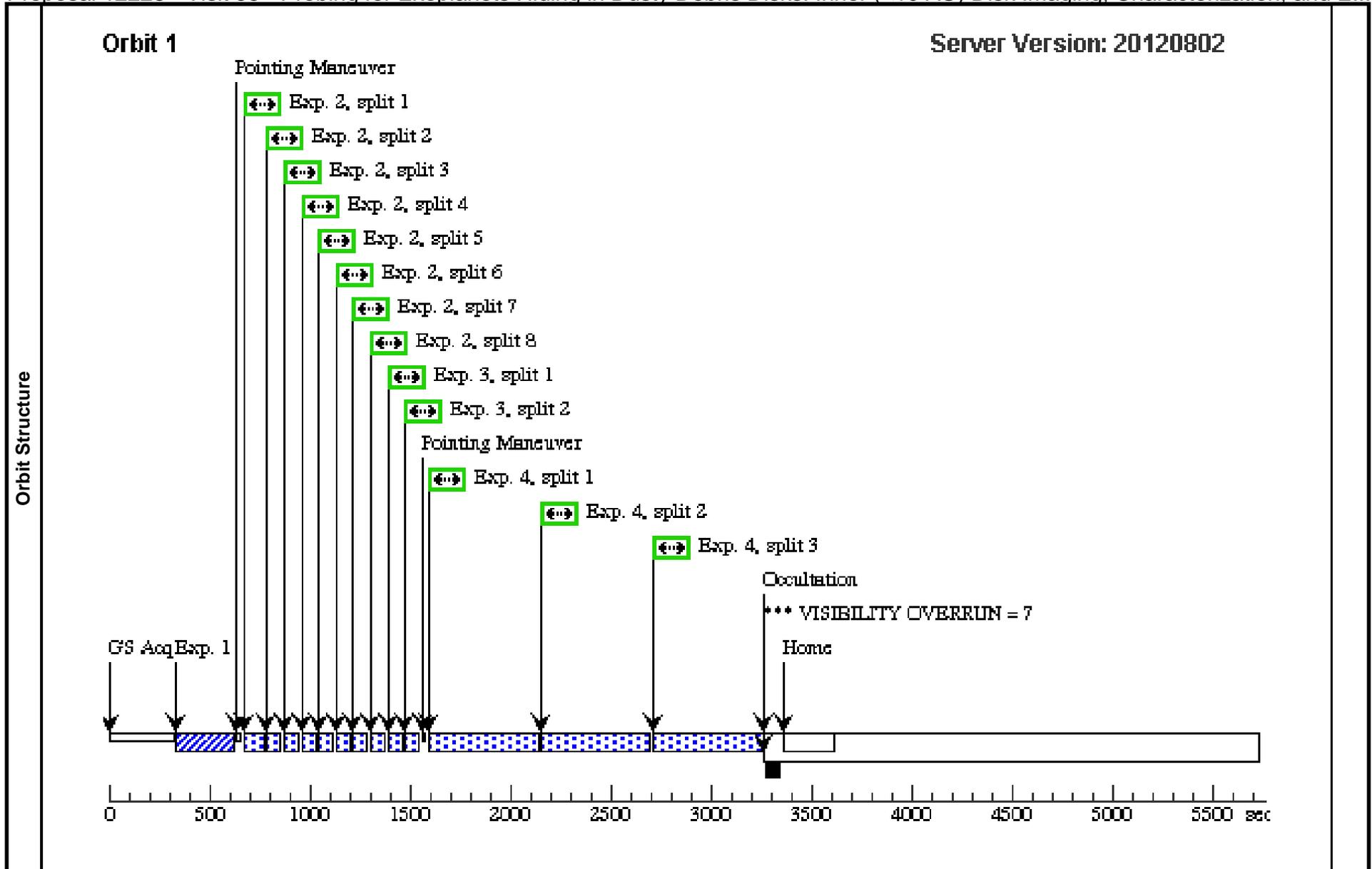
Wed Aug 22 01:30:03 GMT 2012

Visit	<p>Proposal 12228, Visit 55, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 90D TO 90D FROM 51</p> <p><i>Comments: HD 61005 (V=8.22, B-V = +0.71).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 61005 at different relative orientations with one PSF calibration observation interleaved. This is the first HD 61005 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (55) at EITHER -90 deg OR +90 deg from Visit 51. Either is equally acceptable, but there is no way to specify this via APT 18.2. Here we specify the positive exact value of +90 deg only. If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable our PC may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit 51 to seek schedulability.</i></p> <p><i>Schedule in orbit immediately before Visit 56.</i></p>																																			
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. G8V</i></p>																																				

Proposal 12228 - Visit 55 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD61005_A CQ	(6) HD61005	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.8 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 8.22, sp = G8V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD61005_S HORTS_1	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			505 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD61005_S HORTS_2	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=2; GAIN=4			126.4 Secs [==>(Split 1)] [==>(Split 2)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD61005_L ONG	(6) HD61005	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1583 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. For long exposures at WedgeA1.0 go as deep as possible to fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit 56 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

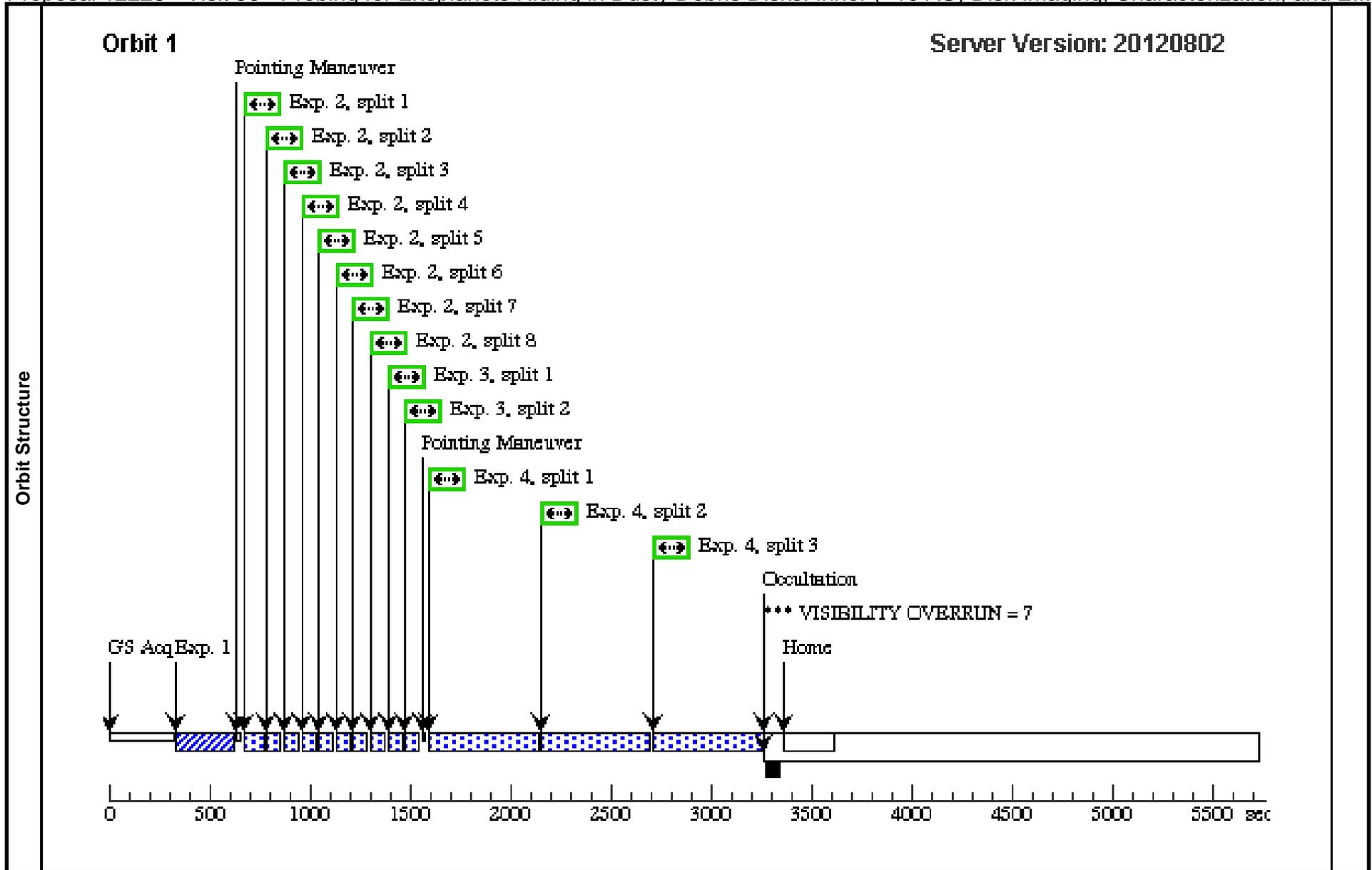
Wed Aug 22 01:30:15 GMT 2012

Visit	<p>Proposal 12228, Visit 56, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 30D TO 30D FROM 55; AFTER 55 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 61005 (V=8.22, B-V = +0.71).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 61005 at different relative orientations with one PSF calibration observation interleaved. This is the second HD 61005 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (56) at +30 deg from Visit 35. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (56) should immediately follow visit 55 and immediately precede visit 57. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
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Proposal 12228 - Visit 56 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD61005_A CQ	(6) HD61005	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.8 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 8.22, sp = G8V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD61005_S HORTS_1	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			505 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD61005_S HORTS_2	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=2; GAIN=4			126.4 Secs [==>(Split 1)] [==>(Split 2)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD61005_L ONG	(6) HD61005	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1583 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. For long exposures at WedgeA1.0 go as deep as possible to fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Visit	<p>Proposal 12228, Visit 57, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 56 BY 0.5 Orbits TO 1.0 Orbits</p> <p><i>Comments: PSF06A (HD56161). PSF calibration target for HD 61005 . V = 6.937. B - V = +0.75.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (55-58). We levy no orientation constraints on this visit (57). However, we choose this target very close in the sky to its paired science target. So as Visits 56 and 57 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 56 will be) the we expect absolute orientations of Visits 56 and 57 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (57) should immediately follow visit 56 and immediately precede visit 58. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>
	Diagnostics

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(Visit 57) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR

(Visit 57) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(Visit 57) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR

(Visit 57) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(Visit 57) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

(Visit 57) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR

(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

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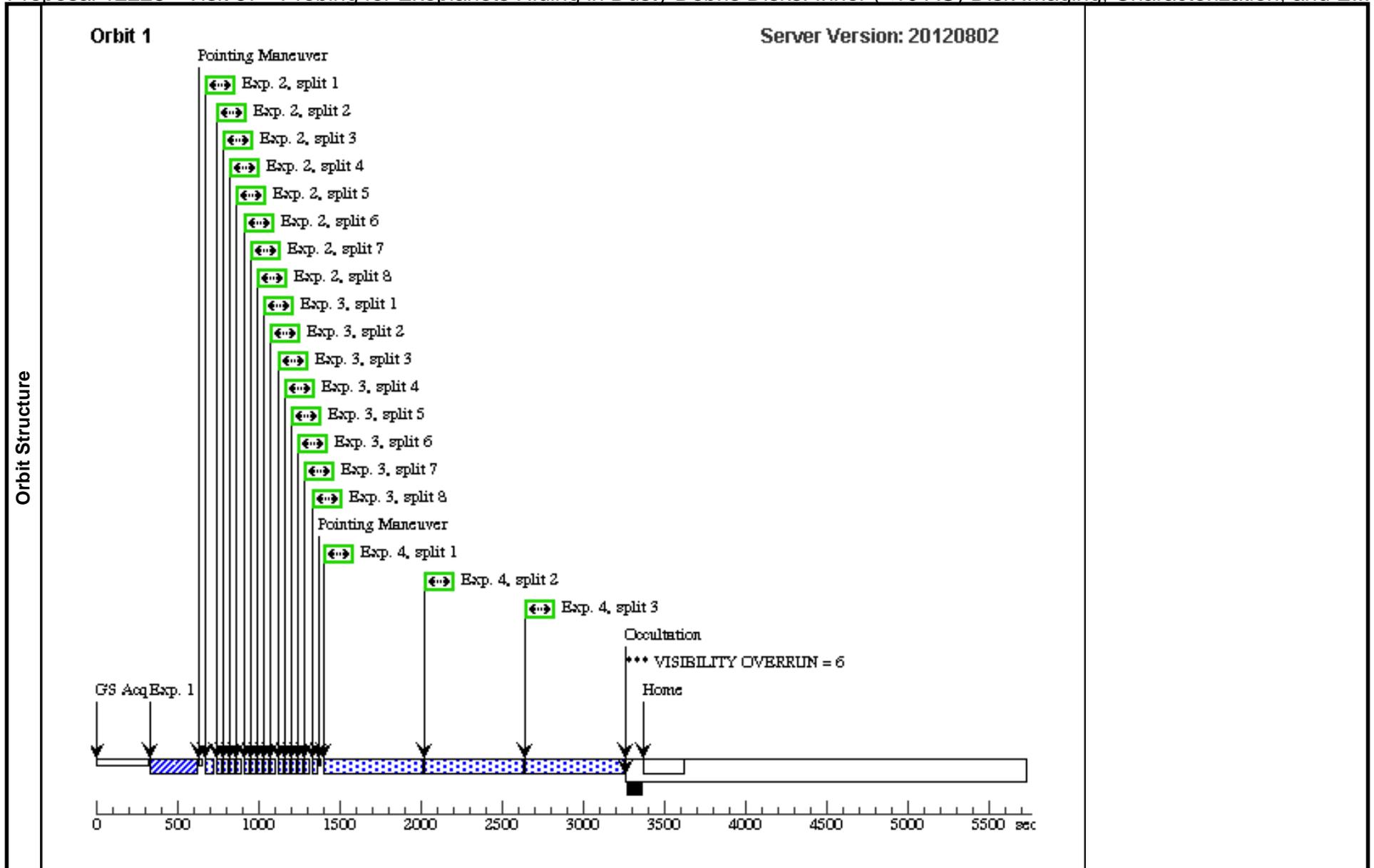
(Visit 57) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS

Proposal 12228 - Visit 57 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(17)	PSF06A-HD61005- HD56161	RA: 07 14 36.6988 (108.6529117d) Dec: -30 39 17.64 (-30.65490d)	Proper Motion RA: -91.60 mas/yr Proper Motion Dec: 55.59 mas/yr	V=6.937 B - V = +0.747	Reference Frame: ICRS
Alt Name1: HIP35017 Alt Name2: SAO197738		Equinox: J2000	Parallax: 0.00820" Epoch of Position: 2000			
<i>Comments: Spec. G5IV</i>						
<i>USNO-2: R=14.0 @ r = 0.61'; 19 stars R=12.7-17.9 @ 0.6' < r < 1.0'</i>						
<i>No HST Pedigree. Possible astrometric binary (Frankowski et al 2007). Possible Variable.</i>						

Proposal 12228 - Visit 57 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF06A_A CQ	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR >~ 100, V = 6.973, sp = G5IV, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF06A_SH ORTS_1	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		157.1 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.94 so saturation in 21.8s. So 90% full well in appx 19.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	PSF06A_SH ORTS_2	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		157.1 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 6.94 so saturation in 21.8s. So 90% full well in appx 19.6s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF06A_L ONG	(17) PSF06A-HD610 05-HD56161	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1773 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: V = 7.74 so saturation in 47.40s. So 90% full well in appx 42.7s. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



Proposal 12228 - Visit 58 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

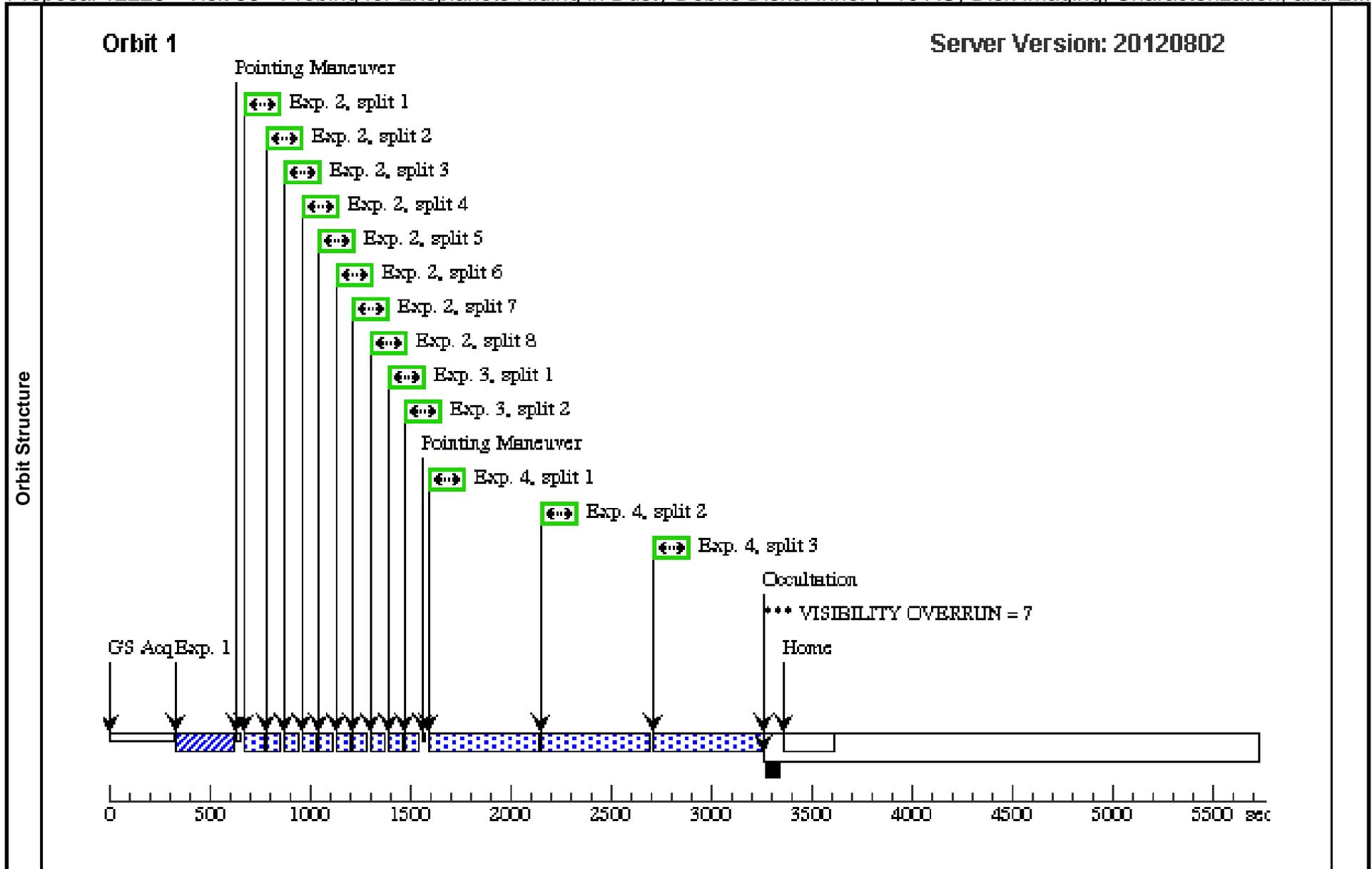
Wed Aug 22 01:30:46 GMT 2012

Visit	<p>Proposal 12228, Visit 58, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 40D TO 40D FROM 55; AFTER 57 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 61005 (V=8.22, B-V = +0.71).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 61005 at different relative orientations with one PSF calibration observation interleaved. This is the third HD 61005 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (78) at +60 deg from Visit 75. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (78) should immediately follow Visit 77. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
	<p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 58) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 58) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																																			
Diagnostics																																				
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>HD61005</td> <td>RA: 07 35 47.4617 (113.9477571d)</td> <td>Proper Motion RA: -56.09 mas/yr</td> <td>V=8.22</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP36948</td> <td>Dec: -32 12 14.04 (-32.20390d)</td> <td>Proper Motion Dec: 74.53 mas/yr</td> <td>B-V = +0.71</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC07109-02638</td> <td>Equinox: J2000</td> <td>Parallax: 0.02895"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. G8V</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	HD61005	RA: 07 35 47.4617 (113.9477571d)	Proper Motion RA: -56.09 mas/yr	V=8.22	Reference Frame: ICRS		Alt Name1: HIP36948	Dec: -32 12 14.04 (-32.20390d)	Proper Motion Dec: 74.53 mas/yr	B-V = +0.71			Alt Name2: GSC07109-02638	Equinox: J2000	Parallax: 0.02895"						Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																														
(6)	HD61005	RA: 07 35 47.4617 (113.9477571d)	Proper Motion RA: -56.09 mas/yr	V=8.22	Reference Frame: ICRS																															
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			Epoch of Position: 2000																																	

Proposal 12228 - Visit 58 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD61005_A CQ	(6) HD61005	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.8 Secs [==>]	[1]
<p><i>Comments: SNR >~ 100, V = 8.22, sp = G8V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD61005_S HORTS_1	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			505 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD61005_S HORTS_2	(6) HD61005	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=2; GAIN=4			126.4 Secs [==>(Split 1)] [==>(Split 2)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. Use this for the "short" exposures, repeated (2x) with CR Split.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD61005_L ONG	(6) HD61005	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1583 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 61005 is V = 8.22 (G8V) so saturation in 70.2s. So 90% full well in appx 63.2s. For long exposures at WedgeA1.0 go as deep as possible to fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit 61 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

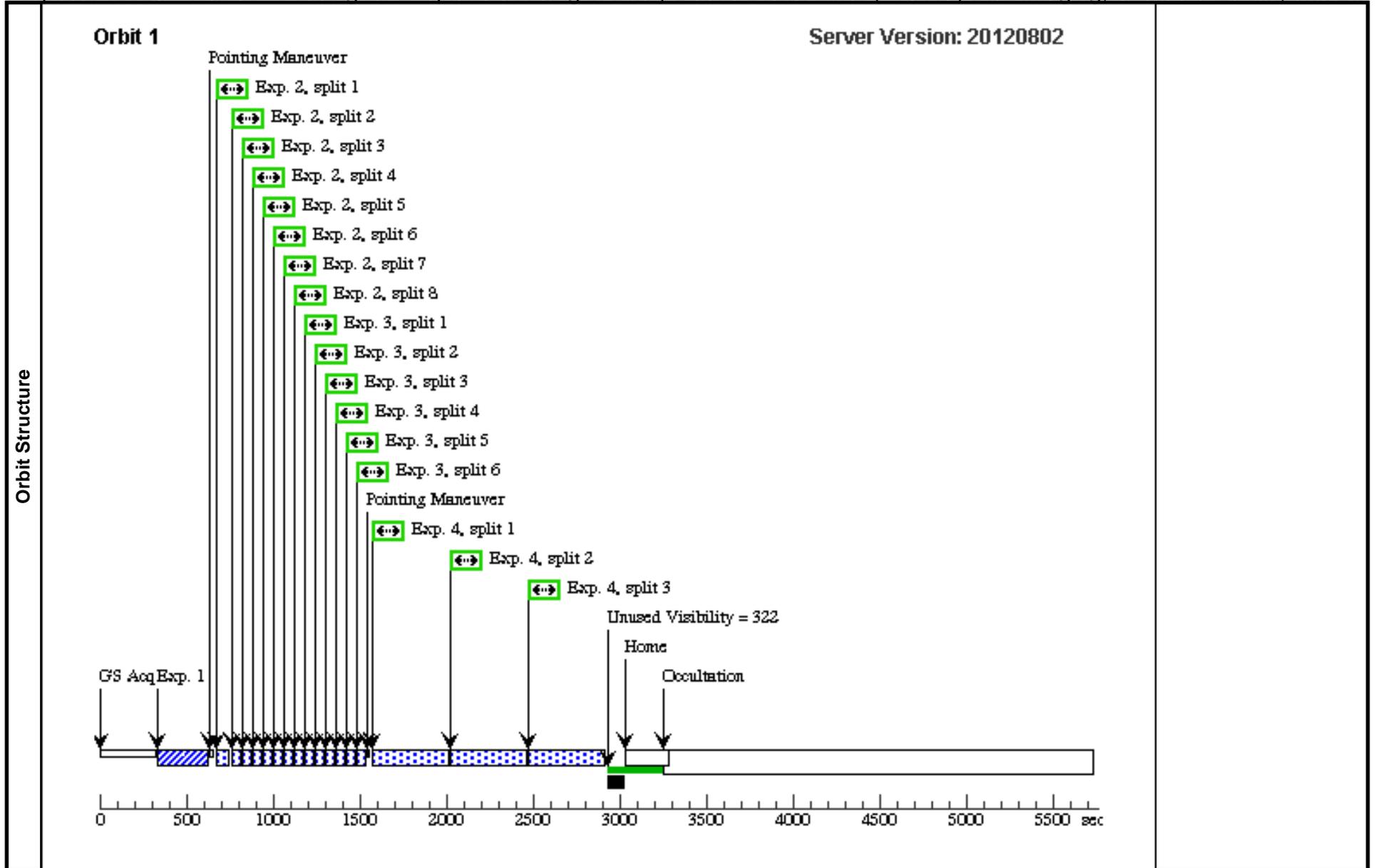
Wed Aug 22 01:30:59 GMT 2012

Visit	<p>Proposal 12228, Visit 61, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -30D TO -20D FROM 62</p> <p>Comments: HD92945 (V=7.76, B-V = + 0.89).</p> <p>First of two sets of visits, each containing three visits of HD92945 at different relative orientations with one PSF calibration observation interleaved. This is the first HD92945 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</p> <p>Orientation: We wish to schedule this visit (61) at -30 deg from Visit 62, with the absolute orientation of Visit 42 unconstrained. Here we allow -30 to -20 to aid in scheduling, but as close to -30 deg as possible is preferential.</p> <p>Relative Timing: This visit (61) should immediately precede visit (62). I.e., They should be executed sequentially in "back-to-back" orbits.</p>																																		
	<p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 61) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																													
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			Epoch of Position: 2000																																

Proposal 12228 - Visit 61 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD92945_A CQ	(7) HD92945	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p>Comments: SNR = 100, V = 7.76 sp = KIV, Exptime rounded to nearest 0.1 second</p>									
2	HD92945_S HORTS_1	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			300 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</p>									
3	HD92945_S HORTS_2	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			225 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</p>									
4	HD92945_L ONG	(7) HD92945	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1262 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go ~ 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</p>									

Exposures

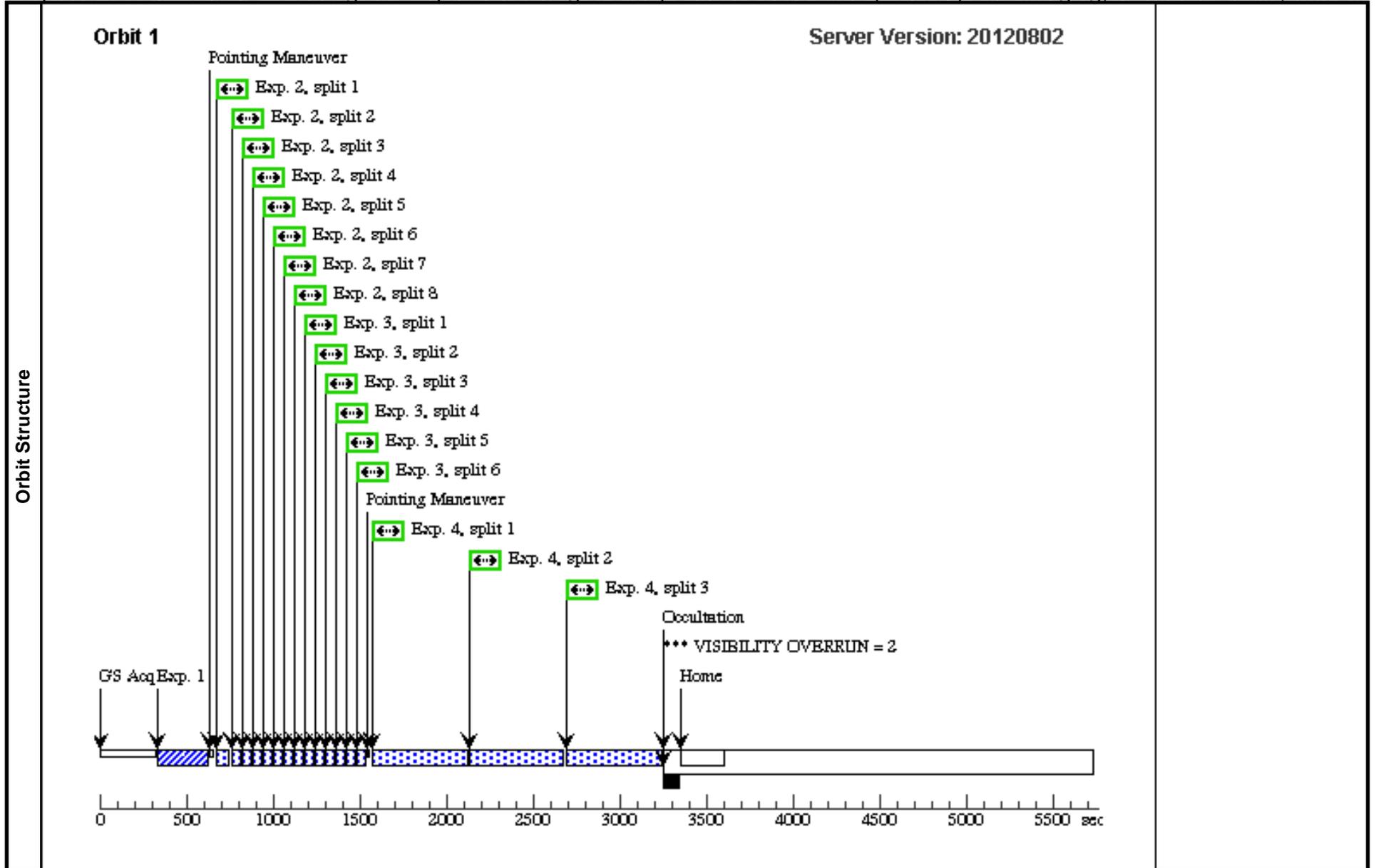


Visit	<p>Proposal 12228, Visit 62, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 61 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD92945 (V=7.76, B-V = + 0.89).</i></p> <p><i>First of two sets of visits, each containing three visits of HD92945 at different relative orientations with one PSF calibration observation interleaved. This is the second HD92945 visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: There are no orientation constraints on this visit (62). Visits 61, 63, 64, 65, and 68 carry relative orientation constraints w.r.t. this visit.</i></p> <p><i>Relative Timing: This visit (62) should immediately follow Visit 61 and immediately precede Visit 63 in back-to-back orbits.</i></p>																																		
	<p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 62) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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(7)	HD92945	RA: 10 43 28.2717 (160.8677988d)	Proper Motion RA: -215.39 mas/yr	V=7.76	Reference Frame: ICRS																														
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. K1V</i></p>																																			

Proposal 12228 - Visit 62 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD92945_A CQ	(7) HD92945	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p>Comments: SNR = 100, V = 7.76 sp = KIV, Exptime rounded to nearest 0.1 second</p>									
2	HD92945_S HORTS_1	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			300 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</p>									
3	HD92945_S HORTS_2	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			225 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</p>									
4	HD92945_L ONG	(7) HD92945	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1587 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</p>									

Exposures



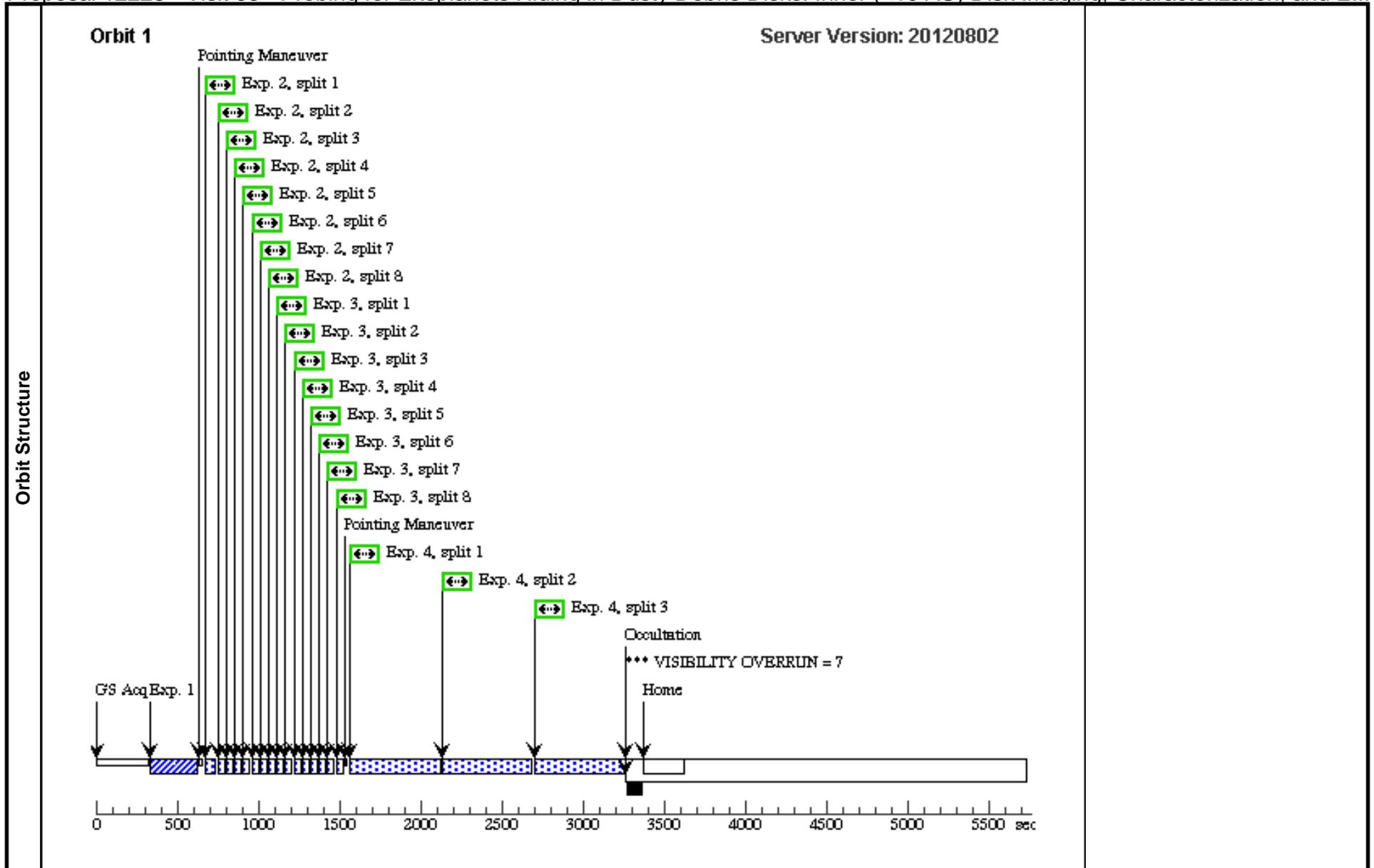
Proposal 12228 - Visit 63 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:31:17 GMT 2012

Visit	<p>Proposal 12228, Visit 63, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 62 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF07A (HD89585). PSF calibration target for HD92945. V = 7.41. B-V = +0.88.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (61-64). We levy no orientation constraints on this visit (63). However, we choose this target very close in the sky to its paired science target. So as Visits 62 and 63 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 62 will be) the we expect absolute orientations of Visits 62 and 63 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (63) should immediately follow visit 62 and immediately precede visit 64. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>						
	Diagnostics	<p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 63) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)		PSF07A-HD92945- HD89585	RA: 10 19 39.2501 (154.9135421d) Dec: -30 59 44.38 (-30.99566d)	Proper Motion RA: -22.25 mas/yr Proper Motion Dec: 15.95 mas/yr	V=7.41 B-V = +0.88	Reference Frame: ICRS	
		Alt Name1: HIP50559	Equinox: J2000	Parallax: 0.00356"			
		Alt Name2: GSC07183-01474		Epoch of Position: 2000			
		<i>Comments: Spec. G5III</i>					
		<i>USNO-2: R=15.6 @ r = 0.77'; 12 stars R=15.6-18.0 @ 0.6' < r < 0.96'</i>					
		<i>No HST Pedigree. No reference as binary. Hipparchis photometry not variable.</i>					

Proposal 12228 - Visit 63 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF07A_A CQ	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.41, sp = G5III, Exptime rounded to nearest 0.1 second</i>								
	2	PSF07A_SH ORTS_1	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		237.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.41 so saturation in 33.0s. So 90% full well in appx 29.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	PSF07A_SH ORTS_2	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		237.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.41 so saturation in 33.0s. So 90% full well in appx 29.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	PSF07A_L ONG	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1614 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: V = 7.41 so saturation in 33.0s. So 90% full well in appx 29.7s. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>									



Proposal 12228 - Visit 64 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

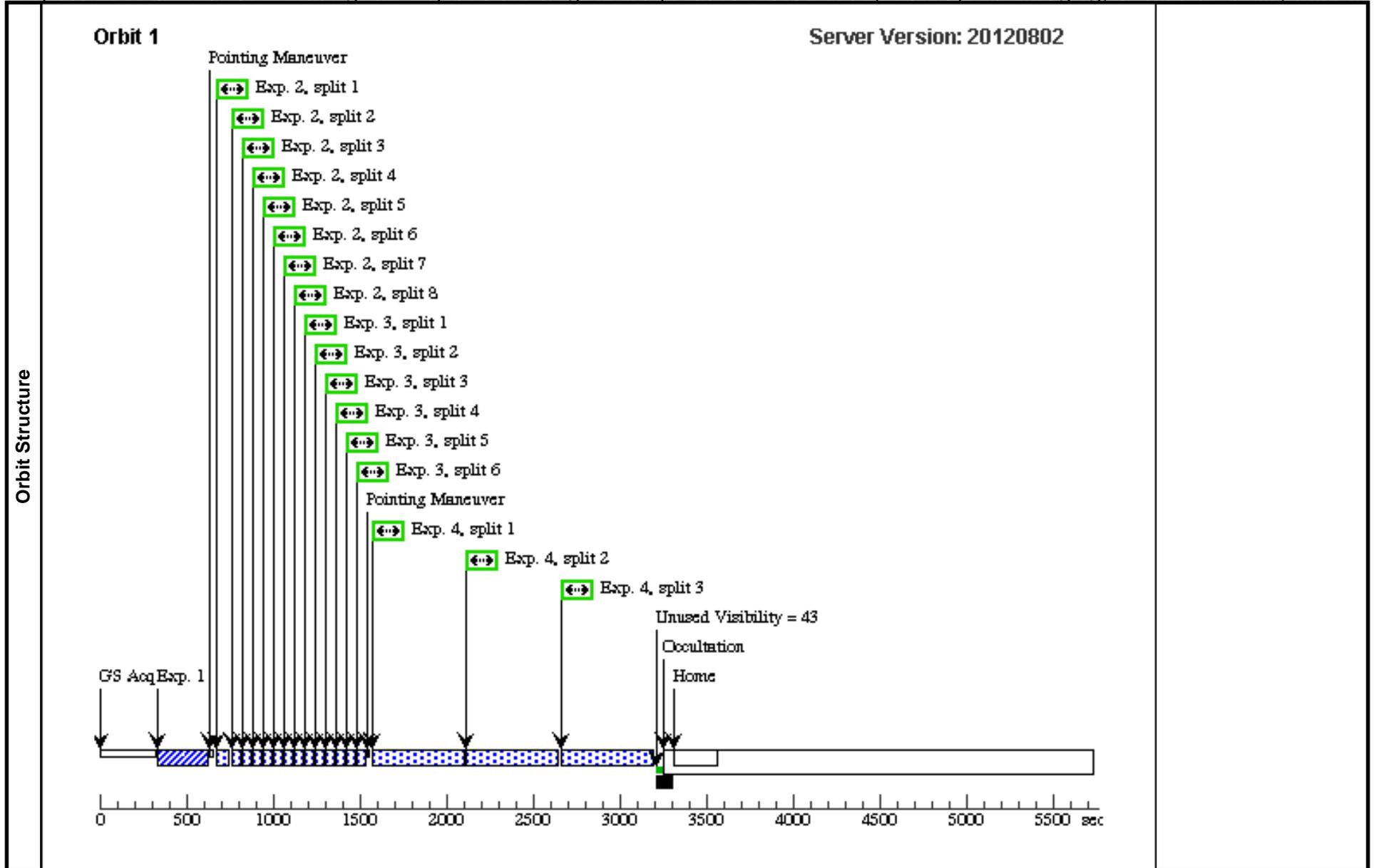
Wed Aug 22 01:31:27 GMT 2012

Visit	<p>Proposal 12228, Visit 64, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 20D TO 30D FROM 62; AFTER 63 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD92945 (V=7.76, B-V = + 0.89).</i></p> <p><i>First of two sets of visits, each containing three visits of HD92945 at different relative orientations with one PSF calibration observation interleaved. This is the third HD92945 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (64) at +30 deg from Visit 62, with the absolute orientation of Visit 62 unconstrained. To aid in scheduling we allow an Orient From range of +20 to +30 deg, though as close to +30 deg as possible is preferred.</i></p> <p><i>Relative Timing: This visit (64) should immediately follow Visit 63. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 64) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>HD92945</td> <td>RA: 10 43 28.2717 (160.8677988d)</td> <td>Proper Motion RA: -215.39 mas/yr</td> <td>V=7.76</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP52462</td> <td>Dec: -29 03 51.42 (-29.06428d)</td> <td>Proper Motion Dec: -48.50 mas/yr</td> <td>B-V = +0.89</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC06645-00338</td> <td>Equinox: J2000</td> <td>Parallax: 0.04636"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. K1V</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(7)	HD92945	RA: 10 43 28.2717 (160.8677988d)	Proper Motion RA: -215.39 mas/yr	V=7.76	Reference Frame: ICRS		Alt Name1: HIP52462	Dec: -29 03 51.42 (-29.06428d)	Proper Motion Dec: -48.50 mas/yr	B-V = +0.89			Alt Name2: GSC06645-00338	Equinox: J2000	Parallax: 0.04636"						Epoch of Position: 2000		
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(7)	HD92945	RA: 10 43 28.2717 (160.8677988d)	Proper Motion RA: -215.39 mas/yr	V=7.76	Reference Frame: ICRS																														
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Proposal 12228 - Visit 64 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD92945_A CQ	(7) HD92945	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.76 sp = KIV, Exptime rounded to nearest 0.1 second</i></p>									
2	HD92945_S HORTS_1	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			300 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD92945_S HORTS_2	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			225 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD92945_L ONG	(7) HD92945	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1540 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <= 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



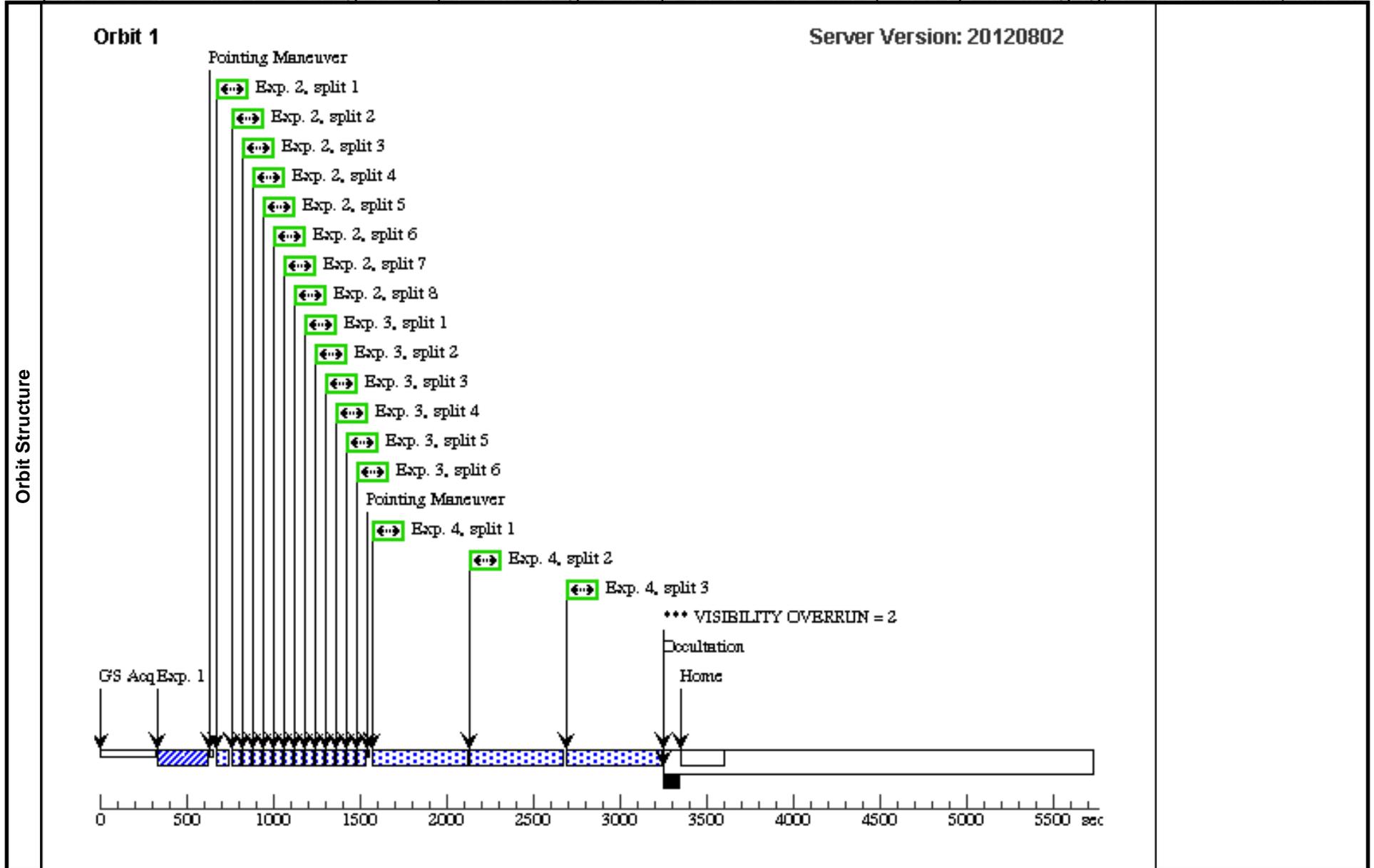
Proposal 12228 - Visit 65 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:31:37 GMT 2012

Visit	<p>Proposal 12228, Visit 65, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 90D TO 90D FROM 61</p> <p><i>Comments: HD92945 (V=7.76, B-V = + 0.89).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD15115 at different relative orientations with one PSF calibration observation interleaved. This is the first HD15115 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (65) at EITHER -90 deg OR +90 deg from Visit 41. Either is equally acceptable, but there is no way to specify this via APT 18.2. Here we specify the positive exact value of +90 deg only. If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable our PC may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit 61 to seek schedulability.</i></p> <p><i>Schedule in orbit immediately before Visit 66.</i></p> <p><i>From 61 by 70 to 110</i></p>																																		
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Proposal 12228 - Visit 65 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

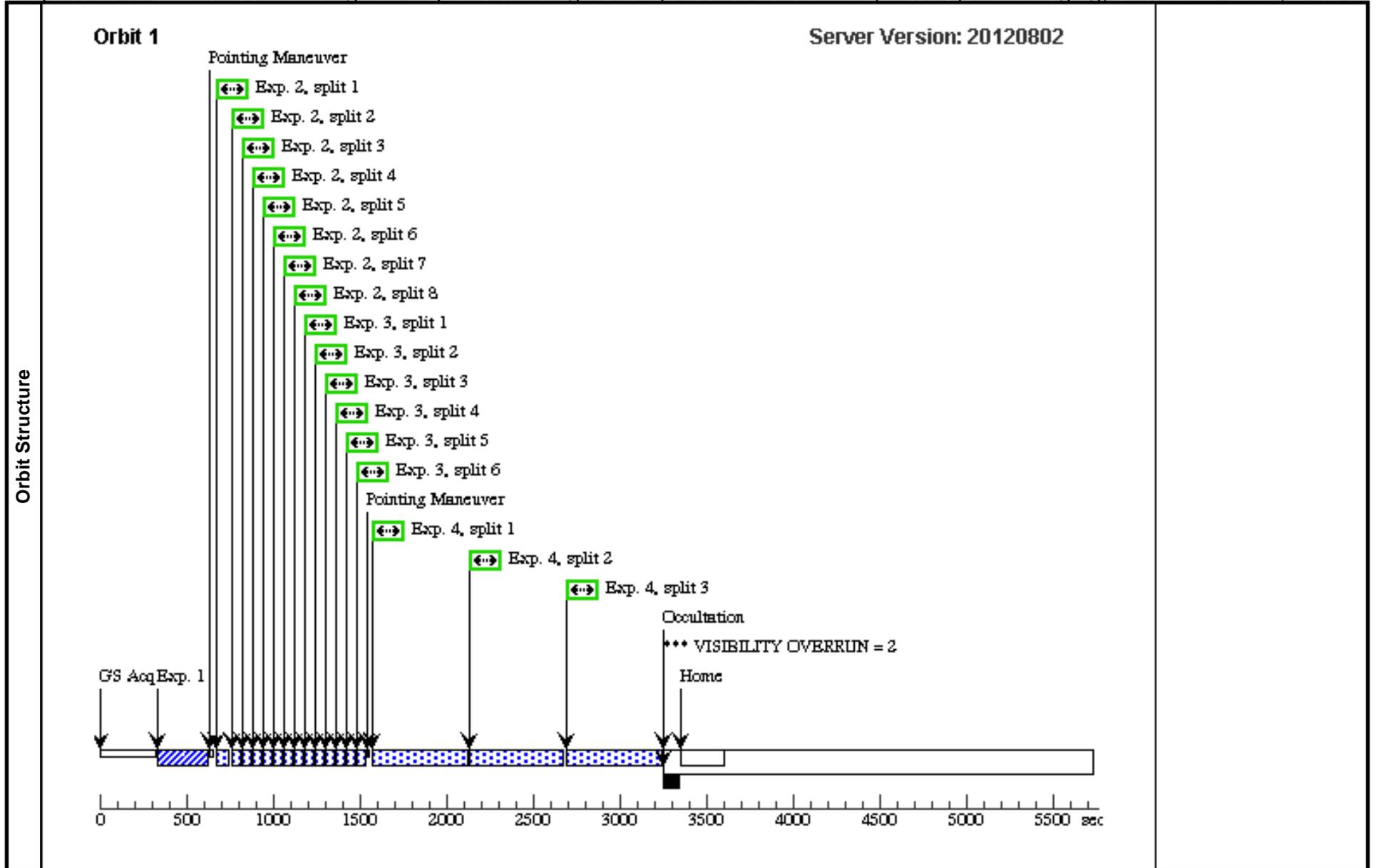
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD92945_A (7) HD92945 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 7.76 sp = KIV, Exptime rounded to nearest 0.1 second</i>									
	2	HD92945_S (7) HD92945 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			300 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	HD92945_S (7) HD92945 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			225 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
4	HD92945_L (7) HD92945 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1587 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>										



Proposal 12228 - Visit 66 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD92945_A CQ	(7) HD92945	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.76 sp = KIV, Exptime rounded to nearest 0.1 second</i></p>									
2	HD92945_S HORTS_1	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			300 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD92945_S HORTS_2	(7) HD92945	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			225 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD92945_L ONG	(7) HD92945	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1587 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



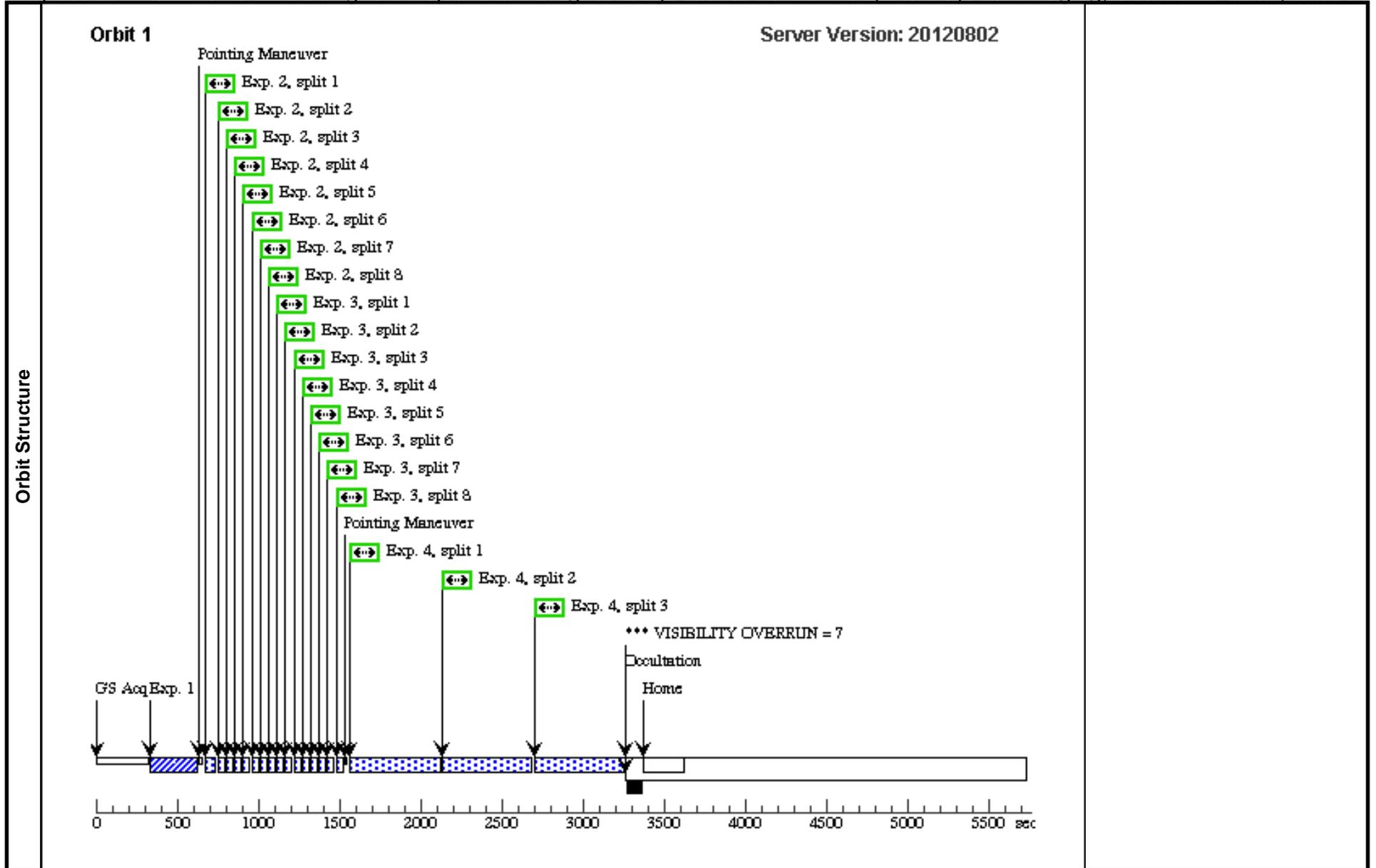
Proposal 12228 - Visit 67 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:31:54 GMT 2012

Visit	<p>Proposal 12228, Visit 67, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 66 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF07A (HD89585). PSF calibration target for HD92945. V = 7.41. B-V = +0.88.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (65-68). We levy no orientation constraints on this visit (67). However, we choose this target very close in the sky to its paired science target. So as Visits 66 and 67 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 06 will be) the we expect absolute orientations of Visits 66 and 47 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (67) should immediately follow visit 66 and immediately precede visit 68. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>						
	Diagnostics	<p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 67) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)		PSF07A-HD92945- HD89585	RA: 10 19 39.2501 (154.9135421d) Dec: -30 59 44.38 (-30.99566d)	Proper Motion RA: -22.25 mas/yr Proper Motion Dec: 15.95 mas/yr	V=7.41 B-V = +0.88	Reference Frame: ICRS	
		Alt Name1: HIP50559	Equinox: J2000	Parallax: 0.00356"			
		Alt Name2: GSC07183-01474		Epoch of Position: 2000			
		<i>Comments: Spec. G5III</i>					
		<i>USNO-2: R=15.6 @ r = 0.77'; 12 stars R=15.6-18.0 @ 0.6' < r < 0.96'</i>					
		<i>No HST Pedigree. No reference as binary. Hipparchis photometry not variable.</i>					

Proposal 12228 - Visit 67 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF07A_A CQ	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.3 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.41, sp = G5III, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF07A_SH ORTS_1	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		237.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.41 so saturation in 33.0s. So 90% full well in appx 29.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	PSF07A_SH ORTS_2	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		237.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.41 so saturation in 33.0s. So 90% full well in appx 29.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF07A_L ONG	(18) PSF07A-HD929 45-HD89585	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4		1614 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



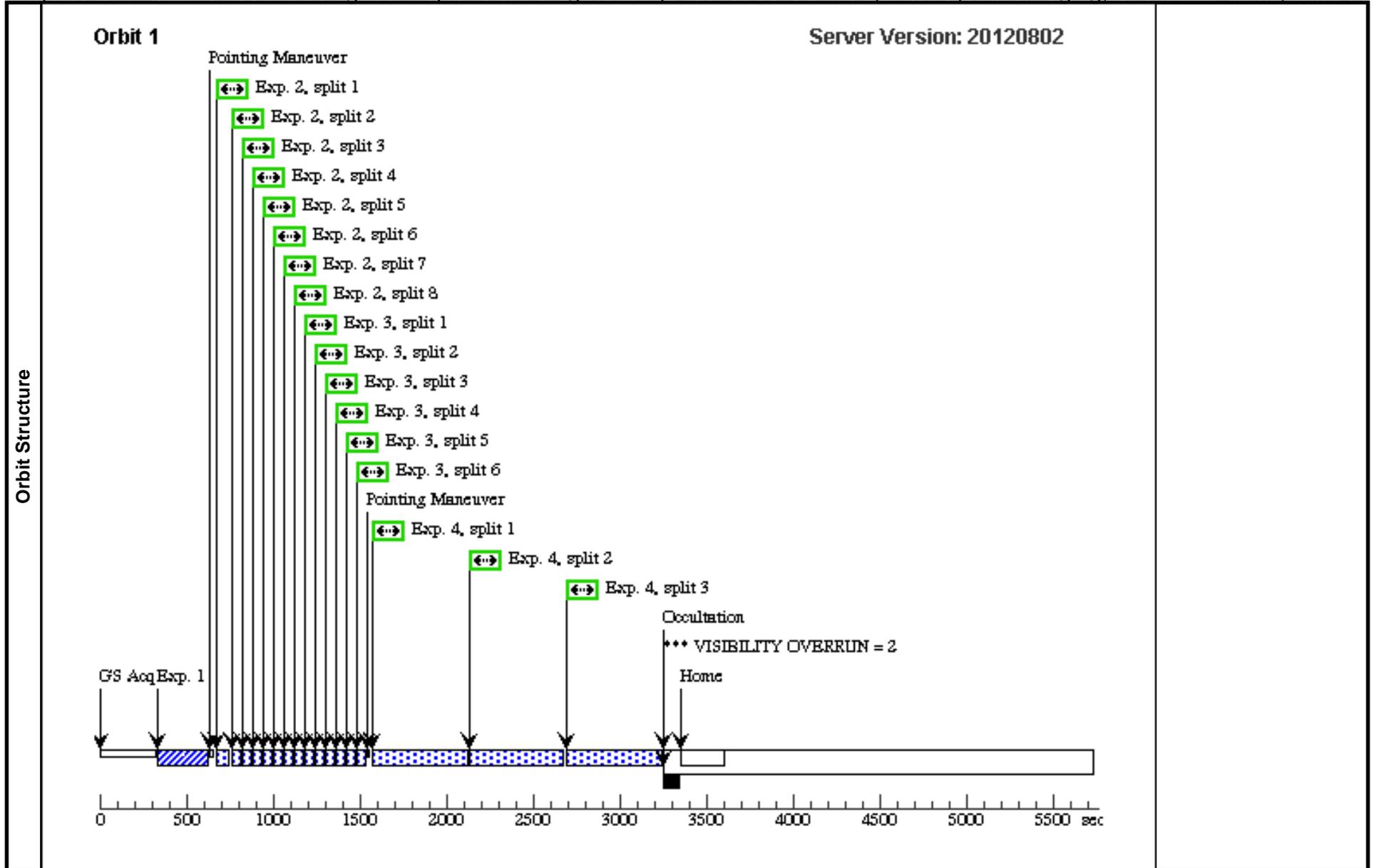
Proposal 12228 - Visit 68 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:32:04 GMT 2012

Visit	<p>Proposal 12228, Visit 68, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 42D TO 44D FROM 65; AFTER 67 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD92945 (V=7.76, B-V = + 0.89).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD92945 at different relative orientations with one PSF calibration observation interleaved. This is the third HD92945 visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (68) at +60 deg from Visit 65. Here we specify +22 deg exactly for schedulability, We would reduce this further by a few degrees only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (68) should immediately follow Visit 67. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 68) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 68) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>HD92945</td> <td>RA: 10 43 28.2717 (160.8677988d)</td> <td>Proper Motion RA: -215.39 mas/yr</td> <td>V=7.76</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP52462</td> <td>Dec: -29 03 51.42 (-29.06428d)</td> <td>Proper Motion Dec: -48.50 mas/yr</td> <td>B-V = +0.89</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC06645-00338</td> <td>Equinox: J2000</td> <td>Parallax: 0.04636"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. K1V</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(7)	HD92945	RA: 10 43 28.2717 (160.8677988d)	Proper Motion RA: -215.39 mas/yr	V=7.76	Reference Frame: ICRS		Alt Name1: HIP52462	Dec: -29 03 51.42 (-29.06428d)	Proper Motion Dec: -48.50 mas/yr	B-V = +0.89			Alt Name2: GSC06645-00338	Equinox: J2000	Parallax: 0.04636"						Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																													
(7)	HD92945	RA: 10 43 28.2717 (160.8677988d)	Proper Motion RA: -215.39 mas/yr	V=7.76	Reference Frame: ICRS																														
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			Epoch of Position: 2000																																

Proposal 12228 - Visit 68 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD92945_A (7) HD92945 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 7.76 sp = KIV, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD92945_S (7) HD92945 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			300 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD92945_S (7) HD92945 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			225 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD92945_L (7) HD92945 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1587 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD92945 is V = 7.76 so saturation in 41.7s. So 90% full well in appx 37.5s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									



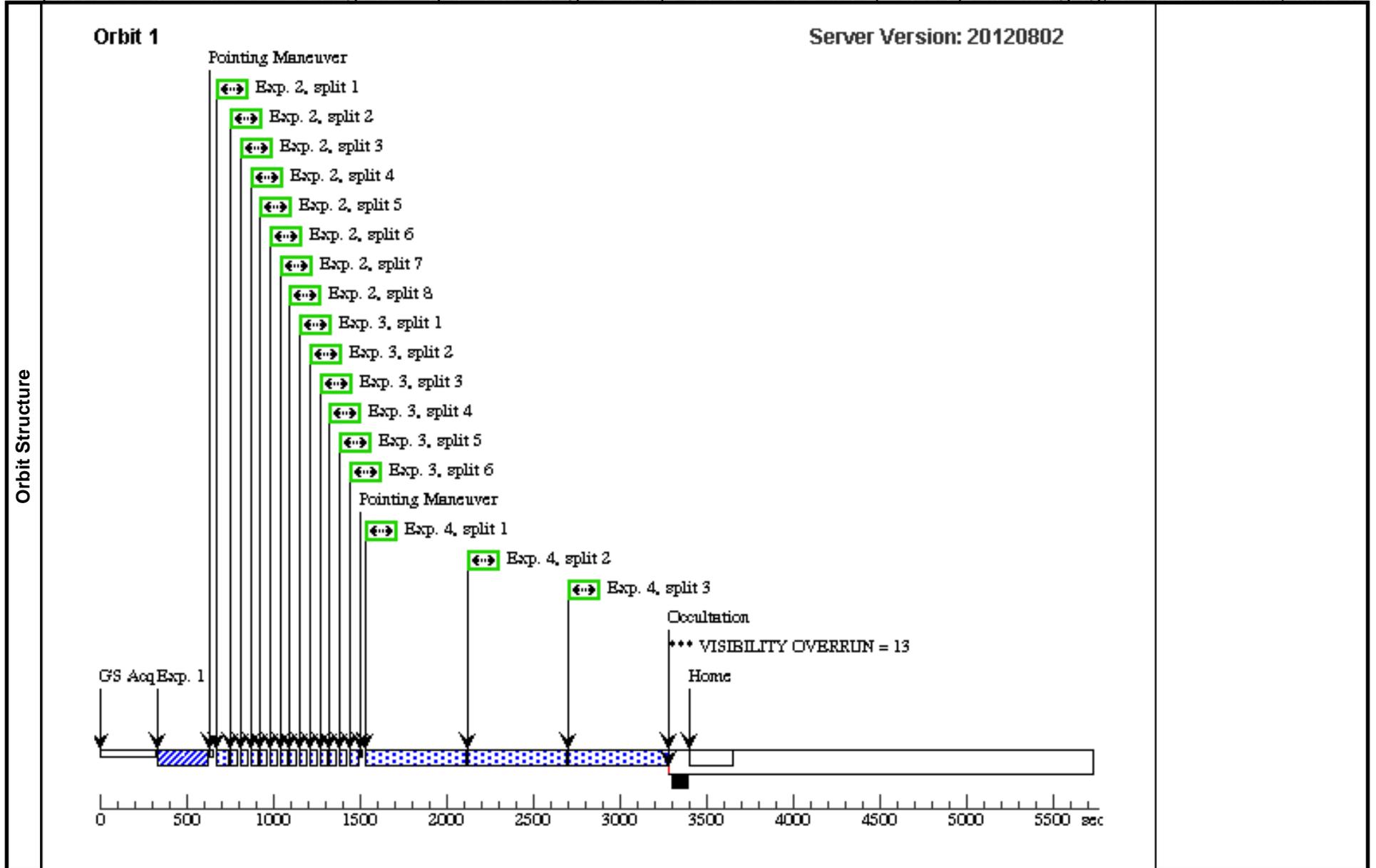
Proposal 12228 - Visit 71 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:32:12 GMT 2012

Visit	<p>Proposal 12228, Visit 71, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -20D TO -20D FROM 72</p> <p><i>Comments: HD 15745 (V=7.50, B-V = +0.32).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the first HD 15745 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (71) at -30 deg from Visit 72, with the absolute orientation of Visit 72 unconstrained. Here we specify -20 deg exactly due to apparent schedulability limitations, though a value closer to -30 deg is preferable.</i></p> <p><i>Relative Timing: This visit (71) should immediately precede visit (72). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 71) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>HD15745</td> <td>RA: 02 32 55.8103 (38.2325429d)</td> <td>Proper Motion RA: 45.58 mas/yr</td> <td>V=7.50</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP11847</td> <td>Dec: +37 20 1.05 (37.33363d)</td> <td>Proper Motion Dec: -47.32 mas/yr</td> <td>B-V = +0.32</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC02335-01209</td> <td>Equinox: J2000</td> <td>Parallax: 0.01570"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	HD15745	RA: 02 32 55.8103 (38.2325429d)	Proper Motion RA: 45.58 mas/yr	V=7.50	Reference Frame: ICRS		Alt Name1: HIP11847	Dec: +37 20 1.05 (37.33363d)	Proper Motion Dec: -47.32 mas/yr	B-V = +0.32			Alt Name2: GSC02335-01209	Equinox: J2000	Parallax: 0.01570"						Epoch of Position: 2000						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																													
(8)	HD15745	RA: 02 32 55.8103 (38.2325429d)	Proper Motion RA: 45.58 mas/yr	V=7.50	Reference Frame: ICRS																														
	Alt Name1: HIP11847	Dec: +37 20 1.05 (37.33363d)	Proper Motion Dec: -47.32 mas/yr	B-V = +0.32																															
	Alt Name2: GSC02335-01209	Equinox: J2000	Parallax: 0.01570"																																
			Epoch of Position: 2000																																
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. F2V</i></p>																																			

Proposal 12228 - Visit 71 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15745_A (8) HD15745 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.40 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i>								
	2	HD15745_S (8) HD15745 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD15745_S (8) HD15745 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD15745_L (8) HD15745 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1674 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>									



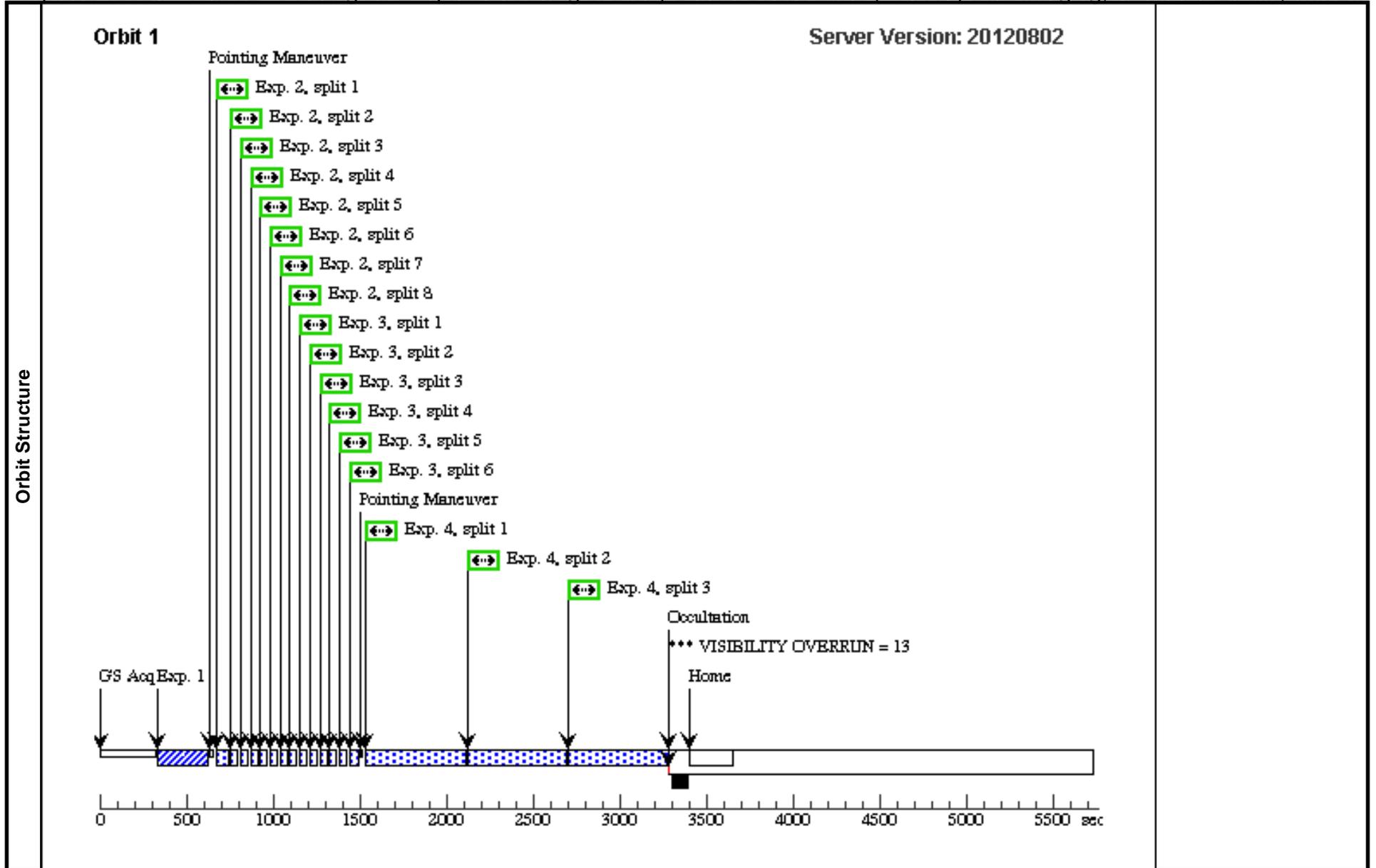
Proposal 12228 - Visit 72 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:32:21 GMT 2012

Visit	<p>Proposal 12228, Visit 72, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 71 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 15745 (V=7.50, B-V = +0.32).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the second HD 15745 visit in the first set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: There are no orientation constraints on this visit (72). Visits 71, 73, 74, 75, and 78 carry relative orientation constraints w.r.t. this visit.</i></p> <p><i>Relative Timing: This visit (72) should immediately follow Visit 71 and immediately precede Visit 73 in back-to-back orbits.</i></p>																																		
	<p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 72) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>HD15745</td> <td>RA: 02 32 55.8103 (38.2325429d)</td> <td>Proper Motion RA: 45.58 mas/yr</td> <td>V=7.50</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP11847</td> <td>Dec: +37 20 1.05 (37.33363d)</td> <td>Proper Motion Dec: -47.32 mas/yr</td> <td>B-V = +0.32</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC02335-01209</td> <td>Equinox: J2000</td> <td>Parallax: 0.01570"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. F2V</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	HD15745	RA: 02 32 55.8103 (38.2325429d)	Proper Motion RA: 45.58 mas/yr	V=7.50	Reference Frame: ICRS		Alt Name1: HIP11847	Dec: +37 20 1.05 (37.33363d)	Proper Motion Dec: -47.32 mas/yr	B-V = +0.32			Alt Name2: GSC02335-01209	Equinox: J2000	Parallax: 0.01570"						Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																													
(8)	HD15745	RA: 02 32 55.8103 (38.2325429d)	Proper Motion RA: 45.58 mas/yr	V=7.50	Reference Frame: ICRS																														
	Alt Name1: HIP11847	Dec: +37 20 1.05 (37.33363d)	Proper Motion Dec: -47.32 mas/yr	B-V = +0.32																															
	Alt Name2: GSC02335-01209	Equinox: J2000	Parallax: 0.01570"																																
			Epoch of Position: 2000																																

Proposal 12228 - Visit 72 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15745_A (8) HD15745 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i>								
	2	HD15745_S (8) HD15745 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>								
<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
Exposures	3	HD15745_S (8) HD15745 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>								
Exposures	4	HD15745_L (8) HD15745 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1674 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>								
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>								



Proposal 12228 - Visit 73 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

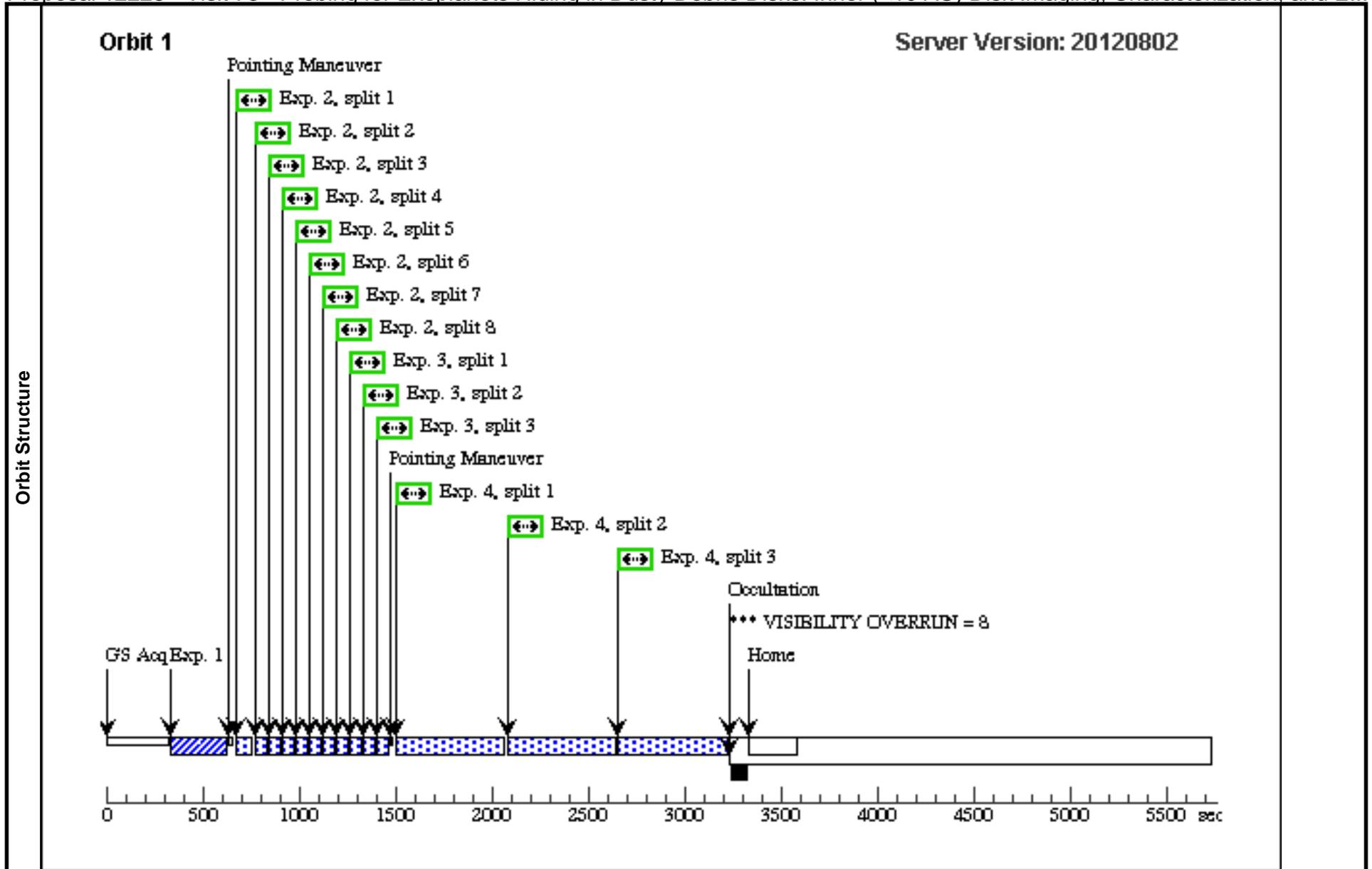
Wed Aug 22 01:32:30 GMT 2012

Visit	<p>Proposal 12228, Visit 73, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 72 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF08A (HD16199). PSF calibration target for HD 15745 . V = 7.47. B - V = +0.35.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (71-74). We levy no orientation constraints on this visit (43). However, we choose this target very close in the sky to its paired science target. So as Visits 72 and 73 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 32 will be) the we expect absolute orientations of Visits 72 and 73 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (73) should immediately follow visit 72 and immediately precede visit 74. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>						
	Diagnostics	<p>(Visit 73) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 73) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(19)	PSF08-HD15745- HD16199	RA: 02 34 13.1312 (38.5547133d) Dec: +08 59 19.29 (8.98869d)	Proper Motion RA: 32.40 mas/yr Proper Motion Dec: 9.60 mas/yr	V=7.47 B-V = +0.35	Reference Frame: ICRS
			Alt Name1: SAO110616	Equinox: J2000	Epoch of Position: 2000		
			Alt Name2: GSC00639-00227				
			<i>Comments: Spec. F2</i>				
			<i>USNO-: R=17.4 @ r = 0.55'; 7 stars R=17.4-19.1 @ 0.5' < r < 0.86'</i>				
			<i>No HST Pedigree. No reference as binary</i>				

Proposal 12228 - Visit 73 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF08A_A CQ	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.5 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.74, sp = F2V, Exptime rounded to nearest 0.1 second</i></p>									
2	PSF08A_SH ORTS_1	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			379.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF08A_SH ORTS_2	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			142.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF08A_L ONG	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1640 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit 74 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

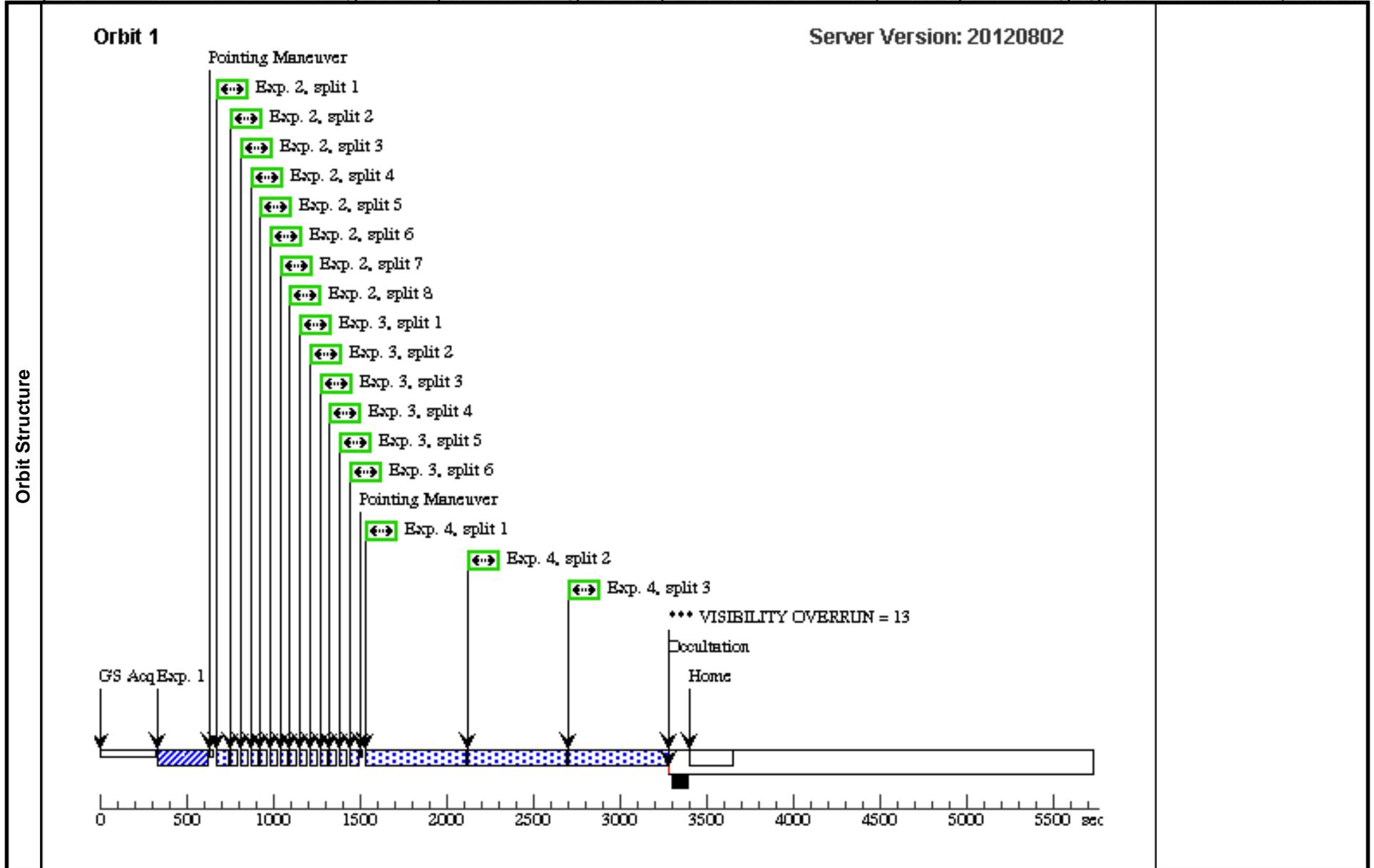
Wed Aug 22 01:32:38 GMT 2012

Visit	<p>Proposal 12228, Visit 74, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 20D TO 20D FROM 72; AFTER 73 BY 0.5 Orbits TO 1.5 Orbits</p> <p>Comments: HD 15745 (V=7.50, B-V = +0.32).</p> <p>First of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the third HD 15745 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</p> <p>Orientation: We wish to schedule this visit (74) at +30 deg from Visit 72, with the absolute orientation of Visit 72 unconstrained. Here we specify -20 deg exactly due to apparent schedulability limitations, though a value closer to -30 deg is preferable.</p> <p>Relative Timing: This visit (74) should immediately follow Visit 73. I.e., They should be executed sequentially in "back-to-back" orbits.</p>					
	<p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 74) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	HD15745 Alt Name1: HIP11847 Alt Name2: GSC02335-01209	RA: 02 32 55.8103 (38.2325429d) Dec: +37 20 1.05 (37.33363d) Equinox: J2000	Proper Motion RA: 45.58 mas/yr Proper Motion Dec: -47.32 mas/yr Parallax: 0.01570" Epoch of Position: 2000	V=7.50 B-V = +0.32	Reference Frame: ICRS
<p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Spec. F2V</p>						

Proposal 12228 - Visit 74 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

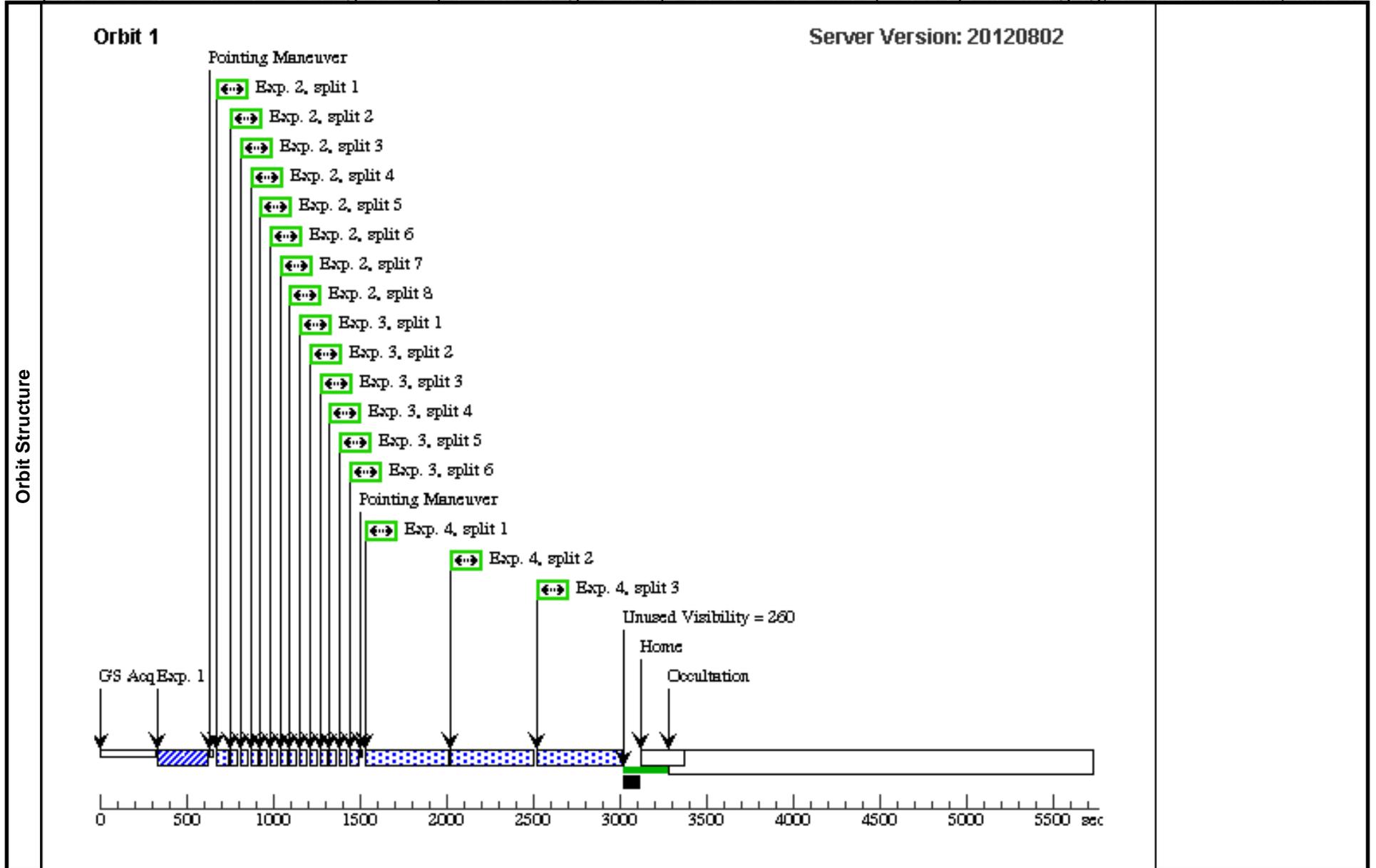
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD15745_A CQ	(8) HD15745	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD15745_S HORTS_1	(8) HD15745	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD15745_S HORTS_2	(8) HD15745	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD15745_L ONG	(8) HD15745	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1674 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit 75 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15745_A (8) HD15745 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i>								
	2	HD15745_S (8) HD15745 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD15745_S (8) HD15745 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD15745_L (8) HD15745 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1400 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>									



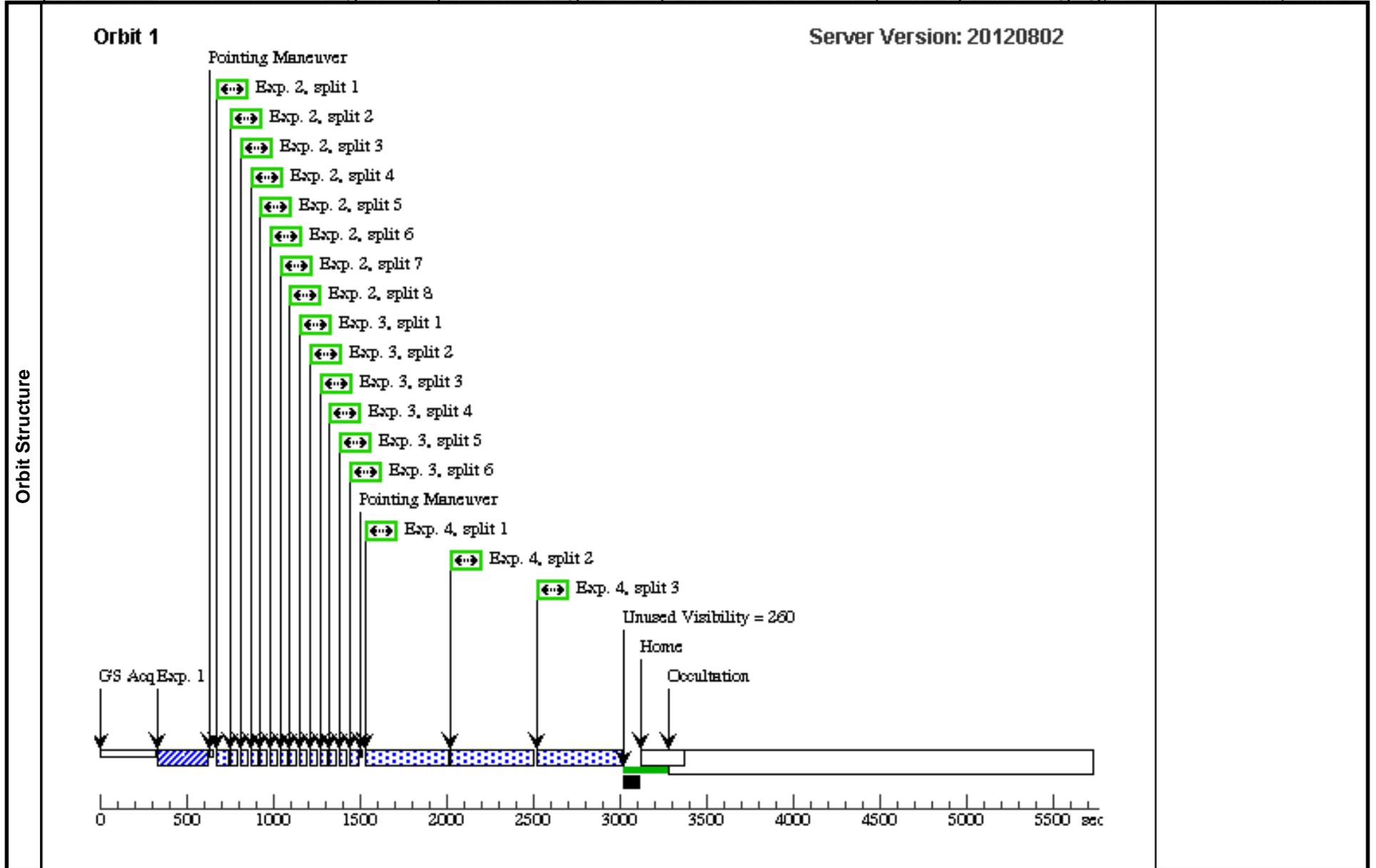
Proposal 12228 - Visit 76 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:32:57 GMT 2012

Visit	<p>Proposal 12228, Visit 76, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 20D TO 22D FROM 75; AFTER 75 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 15745 (V=7.50, B-V = +0.32).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the second HD 15745 visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (76) at +30 deg from Visit 35. Here we specify an allowable range of +25 to +30 deg, though as close to +30 deg as possible is preferable.</i></p> <p><i>Relative Timing: This visit (76) should immediately follow visit 35 and immediately precede visit 77. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 76) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 76) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 76) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>HD15745</td> <td>RA: 02 32 55.8103 (38.2325429d)</td> <td>Proper Motion RA: 45.58 mas/yr</td> <td>V=7.50</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP11847</td> <td>Dec: +37 20 1.05 (37.33363d)</td> <td>Proper Motion Dec: -47.32 mas/yr</td> <td>B-V = +0.32</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC02335-01209</td> <td>Equinox: J2000</td> <td>Parallax: 0.01570"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	HD15745	RA: 02 32 55.8103 (38.2325429d)	Proper Motion RA: 45.58 mas/yr	V=7.50	Reference Frame: ICRS		Alt Name1: HIP11847	Dec: +37 20 1.05 (37.33363d)	Proper Motion Dec: -47.32 mas/yr	B-V = +0.32			Alt Name2: GSC02335-01209	Equinox: J2000	Parallax: 0.01570"						Epoch of Position: 2000						
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. F2V</i></p>																																			

Proposal 12228 - Visit 76 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD15745_A (8) HD15745 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i>									
	2	HD15745_S (8) HD15745 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
Exposures	3	HD15745_S (8) HD15745 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
	4	HD15745_L (8) HD15745 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1400 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>									



Proposal 12228 - Visit 77 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

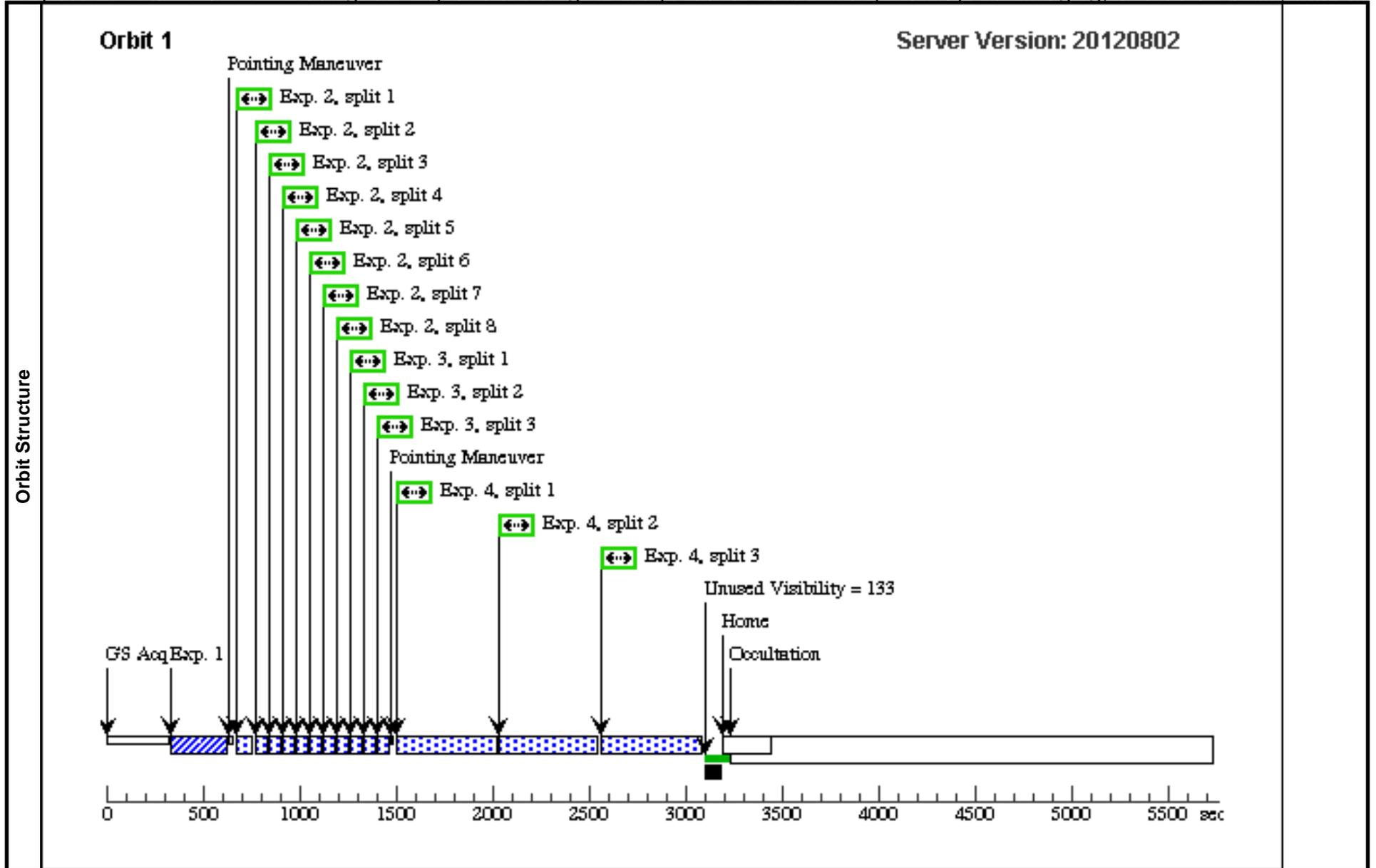
Wed Aug 22 01:33:07 GMT 2012

Visit	<p>Proposal 12228, Visit 77, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 76 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF08A (HD16199). PSF calibration target for HD 15745 . V = 7.47. B - V = +0.35.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (75-78). We levy no orientation constraints on this visit (37). However, we choose this target very close in the sky to its paired science target. So as Visits 76 and 77 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 36 will be) the we expect absolute orientations of Visits 76 and 77 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (77) should immediately follow visit 36 and immediately precede visit 78. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																														
	<p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 77) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																														
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Proposal 12228 - Visit 77 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF08A_A CQ	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.5 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.74, sp = F2V, Exptime rounded to nearest 0.1 second</i></p>									
2	PSF08A_SH ORTS_1	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			379.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF08A_SH ORTS_2	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			142.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF09A_L ONG	(19) PSF08-HD1574 5-HD16199	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1500 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



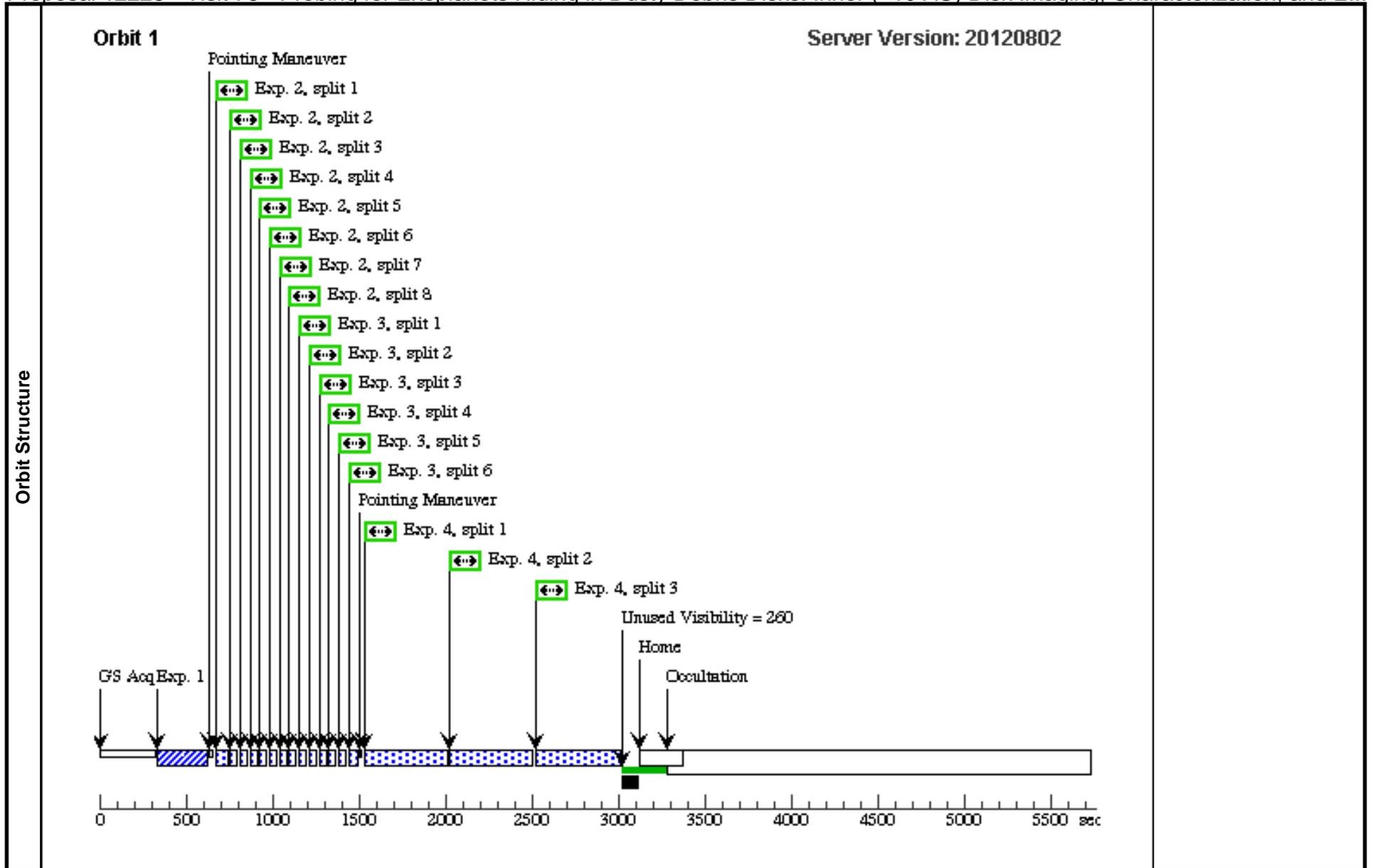
Proposal 12228 - Visit 78 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:33:13 GMT 2012

Visit	<p>Proposal 12228, Visit 78, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 49D TO 51D FROM 75; AFTER 77 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 15745 (V=7.50, B-V = +0.32).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the third HD 15745 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (78) at +60 deg from Visit 75. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found. Here we specify an allowable range of +25 to +30 deg, though as close to +30 deg as possible is preferable.</i></p> <p><i>Relative Timing: This visit (78) should immediately follow Visit 77. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>					
	<p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 78) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 78) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	HD15745 Alt Name1: HIP11847 Alt Name2: GSC02335-01209	RA: 02 32 55.8103 (38.2325429d) Dec: +37 20 1.05 (37.33363d) Equinox: J2000	Proper Motion RA: 45.58 mas/yr Proper Motion Dec: -47.32 mas/yr Parallax: 0.01570" Epoch of Position: 2000	V=7.50 B-V = +0.32	Reference Frame: ICRS
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. F2V</i></p>						

Proposal 12228 - Visit 78 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD15745_A (8) HD15745 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i>									
	2	HD15745_S (8) HD15745 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
Exposures	3	HD15745_S (8) HD15745 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
	4	HD15745_L (8) HD15745 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1400 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i>									

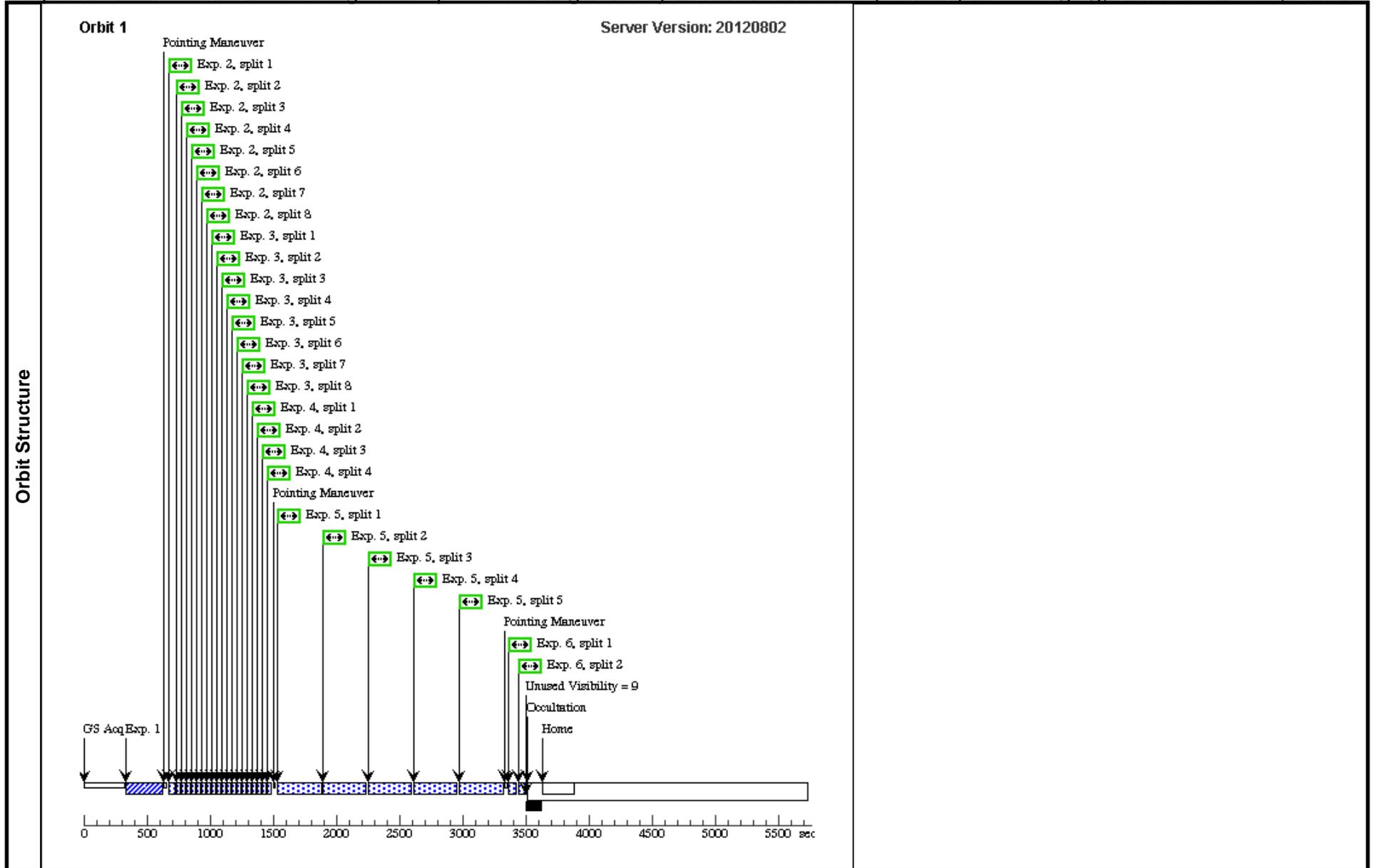


Proposal 12228 - Visit 81 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD53143_A (9) HD53143 CQ	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i>								
	2	HD53143_S (9) HD53143 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD53143_S (9) HD53143 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD53143_S (9) HD53143 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			68.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 81 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD53143_L (9) HD53143 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=5; GAIN=4	1650 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)] [=>(Split 5)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					
6	HD53143_N (9) HD53143 D5SCALE	STIS/CCD, ACCUM, F25ND5 MIRROR	GAIN=4; POS TARG 1.5,0 SIZEAXIS2=64; CR-SPLIT=2	69.4 Secs [=>(Split 1)] [=>(Split 2)]	[1]
<p><i>Comments: This is different... For all OTHER targets we use target acquisition images to establish the target:PSF template flux density ratios under the broad STIS 50CCD bandpass. In those cases target and template stars are both acquired with F25ND3. In THIS case the PSF template star for HD53143 is too bright to acquire without using F25ND5, which we do. While "neutral" we do not believe it is sufficiently so to assume no color transformation is needed for accurate photometry with F25ND3 transformed to F25ND5 - ans such a spectral calibration to high precision does not seem to exist. Here we take a DIRECT (unocculted) image of the target star with F25ND5 (same as used for the ACQ imaging using Alpha Pic) so we can directly ratio the stellar brightnesses in the same spectral element. We only do this in one (istit 81) of the HD 53143 visits in the Visit 81-84 link set.</i></p> <p><i>SNR = 100 (each of two CR Split), V = 6.81, sp = G9V (F25ND5), Exptime rounded to nearest 0.1 second.</i></p> <p><i>SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i></p>					

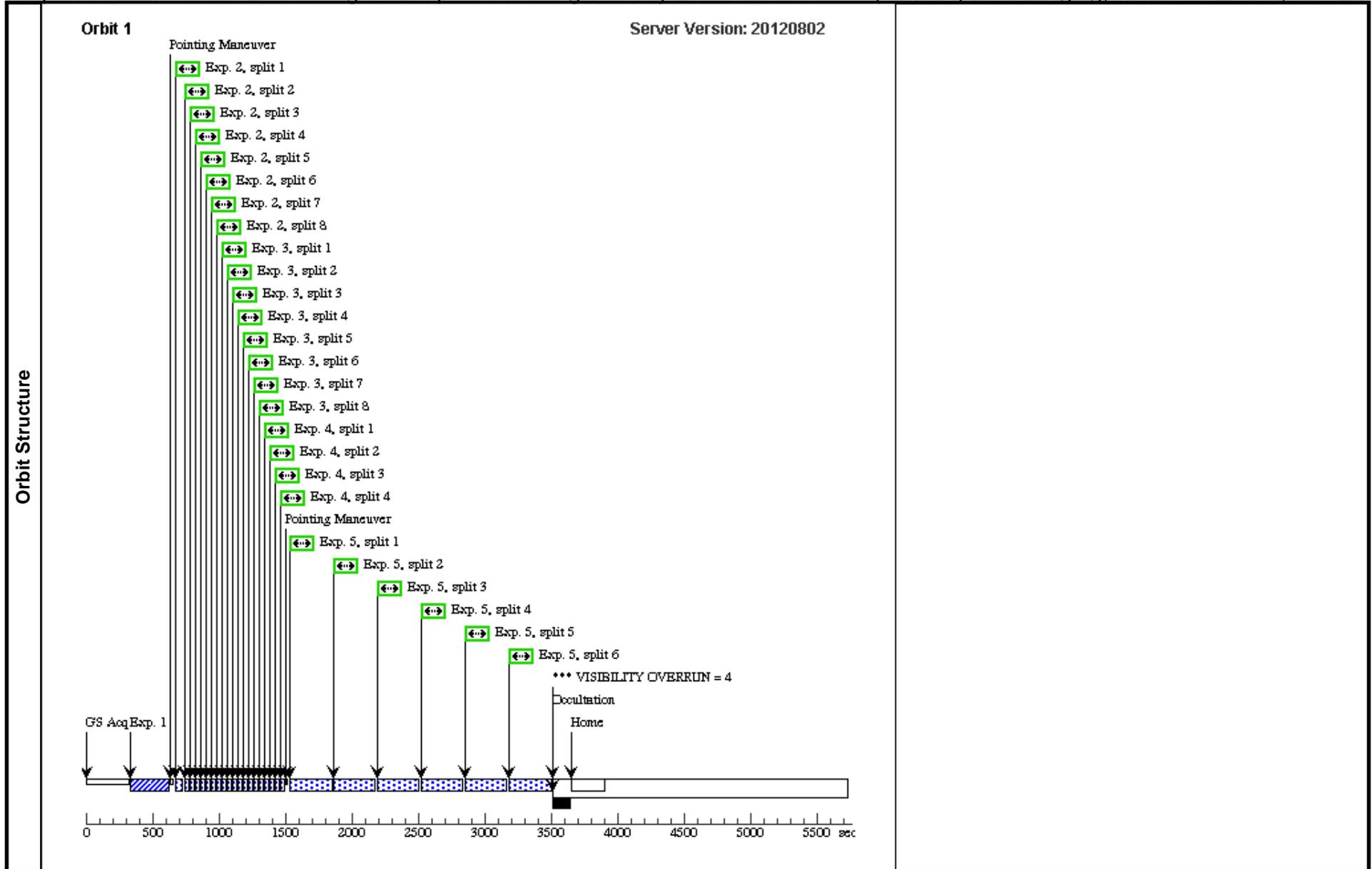


Proposal 12228 - Visit 82 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD53143_A (9) HD53143 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i>								
	2	HD53143_S (9) HD53143 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 53143 is V = 7.50 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD53143_S (9) HD53143 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD53143_S (9) HD53143 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			68.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 82 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD53143_L (9) HD53143 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=6; GAIN=4	1800 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)] [=>(Split 5)] [=>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 83 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:33:47 GMT 2012

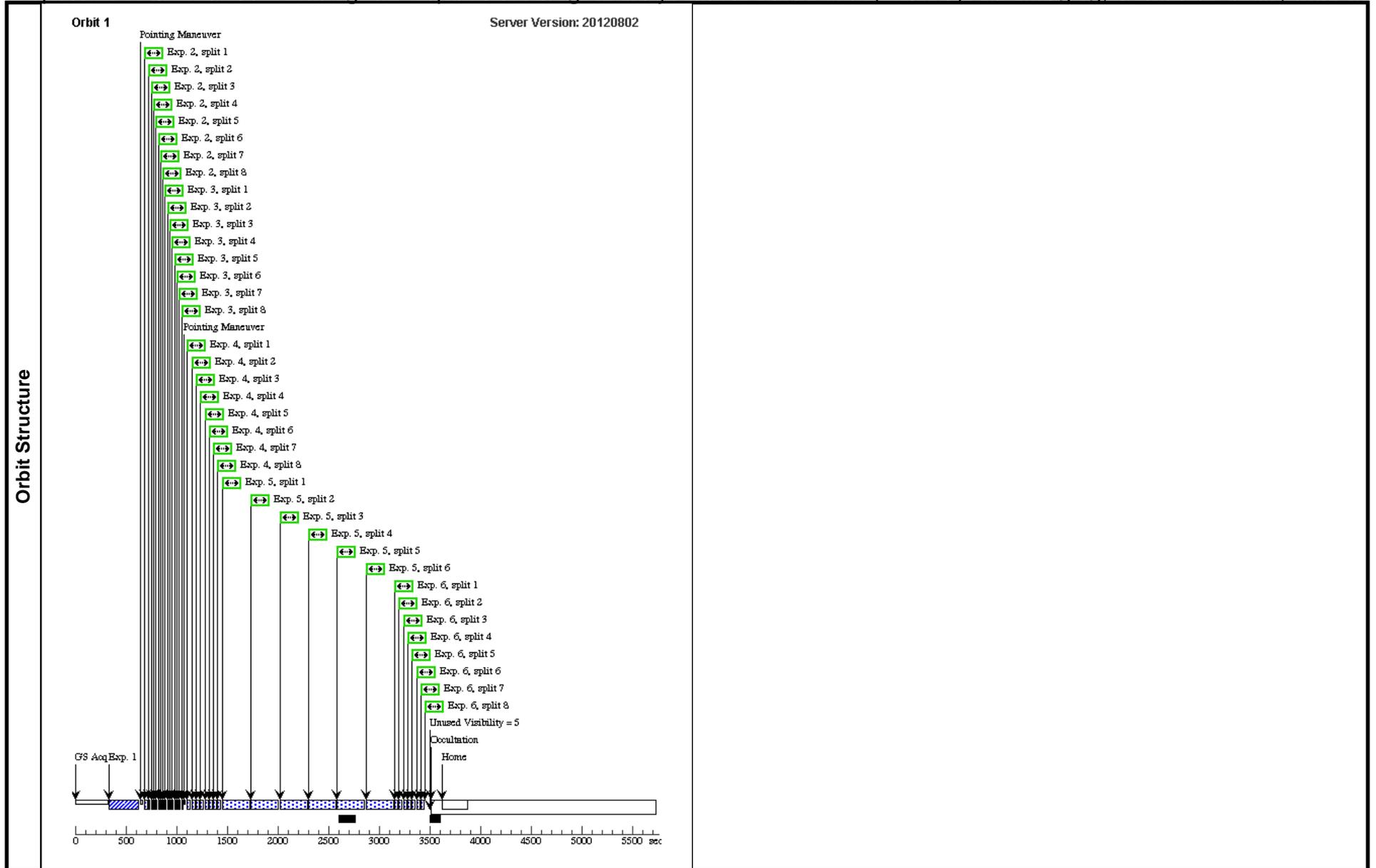
Visit	<p>Proposal 12228, Visit 83, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 82 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF09A (ALPHA PIC). PSF calibration target for ALPHA PIC. V = 3.30. B - V = +0.28. Sp A8V</i></p> <p><i>This is the PSF star calibrator for the flanking visits (81-84). We levy no orientation constraints on this visit (43). However, we choose this target very close in the sky to its paired science target. So as Visits 82 and 83 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 32 will be) the we expect absolute orientations of Visits 82 and 83 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (83) should immediately follow visit 82 and immediately precede visit 84. I.e., they should be executed sequentially in "back-to-back" orbits.</i></p>					
	Diagnostics	(Visit 83) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR				
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(Visit 83) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(20)	PSF09A-HD53143-ALPHA PIC Alt Name1: ALPHA-PICTORIS Alt Name2: HD50241	RA: 06 48 11.4523 (102.0477179d) Dec: -61 56 29.01 (-61.94139d) Equinox: J2000	Proper Motion RA: -68.39 mas/yr Proper Motion Dec: 242.03 mas/yr Parallax: 0.03296" Epoch of Position: 2000	V=3.30 B-V = +0.28	Reference Frame: ICRS
<i>Comments: Spec. A8V</i>						

Proposal 12228 - Visit 83 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF09A_A CQ	(20) PSF09A-HD531 43-ALPHAPIC	STIS/CCD, ACQ, F25ND5	MIRROR	GS ACQ SCENARI O BASE1B3		1.9 Secs [==>]	[1]
	<p><i>Comments: SNR = 100, V = 3.30, sp = A8V, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF09A_SH ORTS_1	(20) PSF09A-HD531 43-ALPHAPIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		5.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V=3.30 so saturation in 0.812s. So ~ 90% full well in appx 0.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF09A_SH ORTS_2	(20) PSF09A-HD531 43-ALPHAPIC	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		5.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 3.30 so saturation in 0.812s. So ~ 90% full well in appx 0.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 83 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF09A_M (20) PSF09A-HD531 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR EDIUM_1 43-ALPHAPIC	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	112 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
Comments: V =3.30 so saturation in 0.812s. So ~ 90% full well in appx 0.7s. Use this for the medium exposures, repeated (8x) with multiple CR Splits. For medium exposures at WedgeA1.0 go 20x deeper in each.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.				
5	PSF09A_L (20) PSF09A-HD531 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 43-ALPHAPIC	SIZEAXIS2=427; CR-SPLIT=6; GAIN=4	1530 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
Comments: V =3.30 so saturation in 0.812s. So ~ 90% full well in appx 0.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.				
6	PSF09A_M (20) PSF09A-HD531 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR EDIUM_2 43-ALPHAPIC	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	112 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
Comments: V =3.30 so saturation in 0.812s. So ~ 90% full well in appx 0.7s.. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For medium exposures at WedgeA1.0 go 20x deeper in each. These are in this orber (broken off from the first set) to mitigate dead-time that otherwise arises from non-parallel buffer dumps.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.				

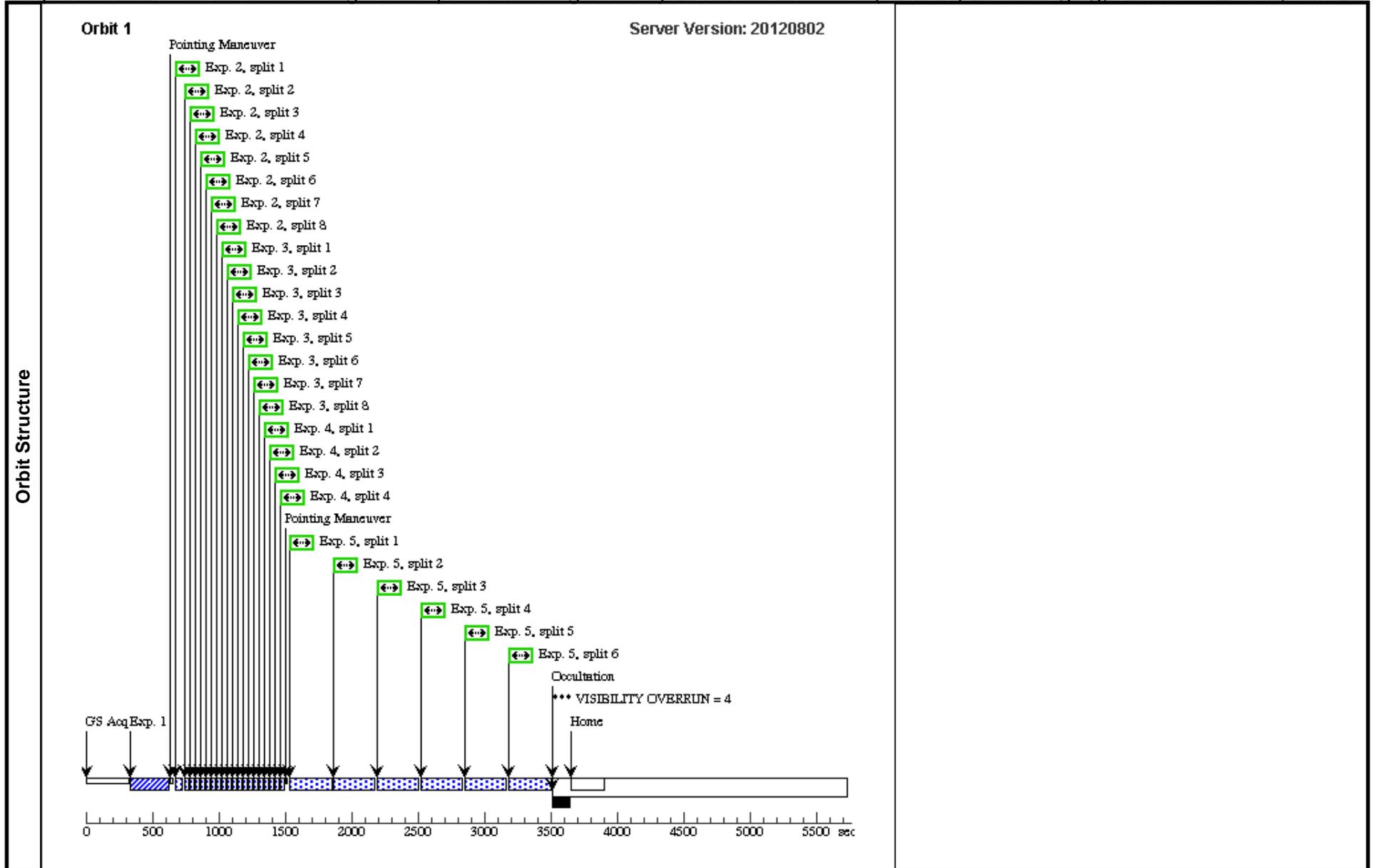


Proposal 12228 - Visit 84 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD53143_A (9) HD53143 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i>									
	2	HD53143_S (9) HD53143 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 53143 is V = 7.50 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	HD53143_S (9) HD53143 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
4	HD53143_S (9) HD53143 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			68.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										

Proposal 12228 - Visit 84 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD53143_L (9) HD53143 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=6; GAIN=4	1800 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)] [=>(Split 5)] [=>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. HD 15745 is $V = 7.50$ so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 85 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:34:08 GMT 2012

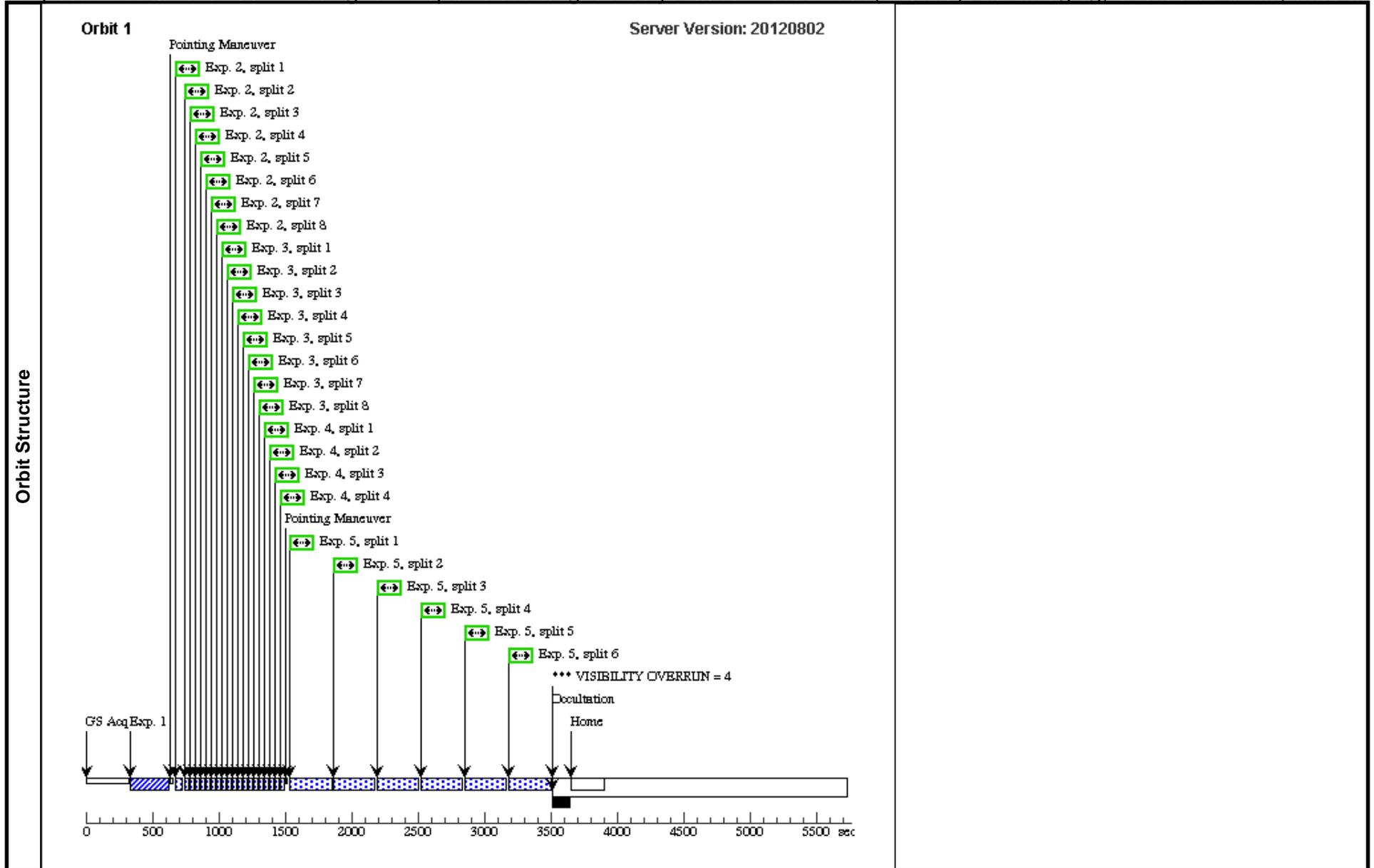
Visit	<p>Proposal 12228, Visit 85, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 90D TO 90D FROM 81</p> <p><i>Comments: HD 53143 (V=6.81, B-V = +0.80, G9V).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 53143 at different relative orientations with one PSF calibration observation interleaved. This is the first HD 53143 visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (85) at EITHER -90 deg OR +90 deg from Visit 78. Either is equally acceptable, but there is no way to specify this via APT 18.2, so we arbitrarily specify an acceptable Orinet From in the positive range (because it worked) of +70 to +110 deg (to aid in schedulability and acceptable to our needs). If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable she may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit 71</i></p> <p><i>Schedule in orbit immediately before Visit 86.</i></p> <p><i>N.B. On March 02, 2011 we removed the "HD53143_NDSSCALE" exposures from the back end of this orbit (no longer needed with a replacement PSF template star in Visit 87) and revised the exposure level content to be identical with Visit 86.</i></p>																																				
	Diagnostics	<p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 85) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																			
		Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>HD53143</td> <td>RA: 06 59 59.6559 (104.9985662d)</td> <td>Proper Motion RA: -161.18 mas/yr</td> <td>V=6.81</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP33690</td> <td>Dec: -61 20 10.25 (-61.33618d)</td> <td>Proper Motion Dec: 264.54 mas/yr</td> <td>B-V = +0.20</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: SAO249700</td> <td>Equinox: J2000</td> <td>Parallax: 0.05433"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>G9V</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	HD53143	RA: 06 59 59.6559 (104.9985662d)	Proper Motion RA: -161.18 mas/yr	V=6.81	Reference Frame: ICRS		Alt Name1: HIP33690	Dec: -61 20 10.25 (-61.33618d)	Proper Motion Dec: 264.54 mas/yr	B-V = +0.20			Alt Name2: SAO249700	Equinox: J2000	Parallax: 0.05433"						Epoch of Position: 2000						
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Proposal 12228 - Visit 85 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	HD53143_A (9) HD53143 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i>									
	2	HD53143_S (9) HD53143 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
3	HD53143_S (9) HD53143 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										
4	HD53143_S (9) HD53143 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			68.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]		
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										

Proposal 12228 - Visit 85 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD53143_L (9) HD53143 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=6; GAIN=4	1800 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)] [=>(Split 5)] [=>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$ (A0V). HD 53143 is $V = 6.81$ so saturation in 19.2s. So 90% full well in appx 17.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

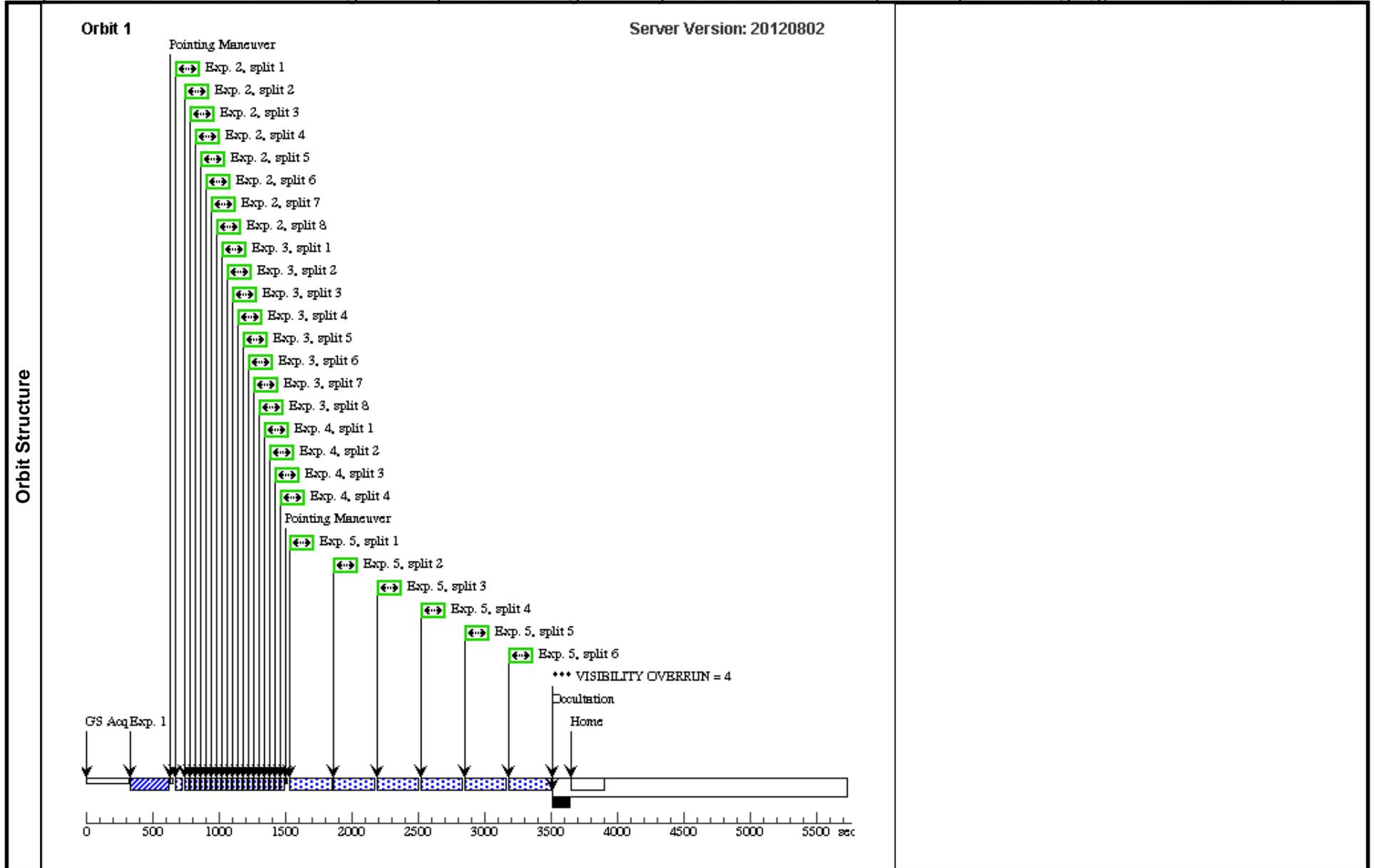


Proposal 12228 - Visit 86 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD53143_A (9) HD53143 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i>								
	2	HD53143_S (9) HD53143 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD53143_S (9) HD53143 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD53143_S (9) HD53143 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			68.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 86 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD53143_L (9) HD53143 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=6; GAIN=4	1800 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)] [=>(Split 5)] [=>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. HD 53143 is $V = 6.81$ so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



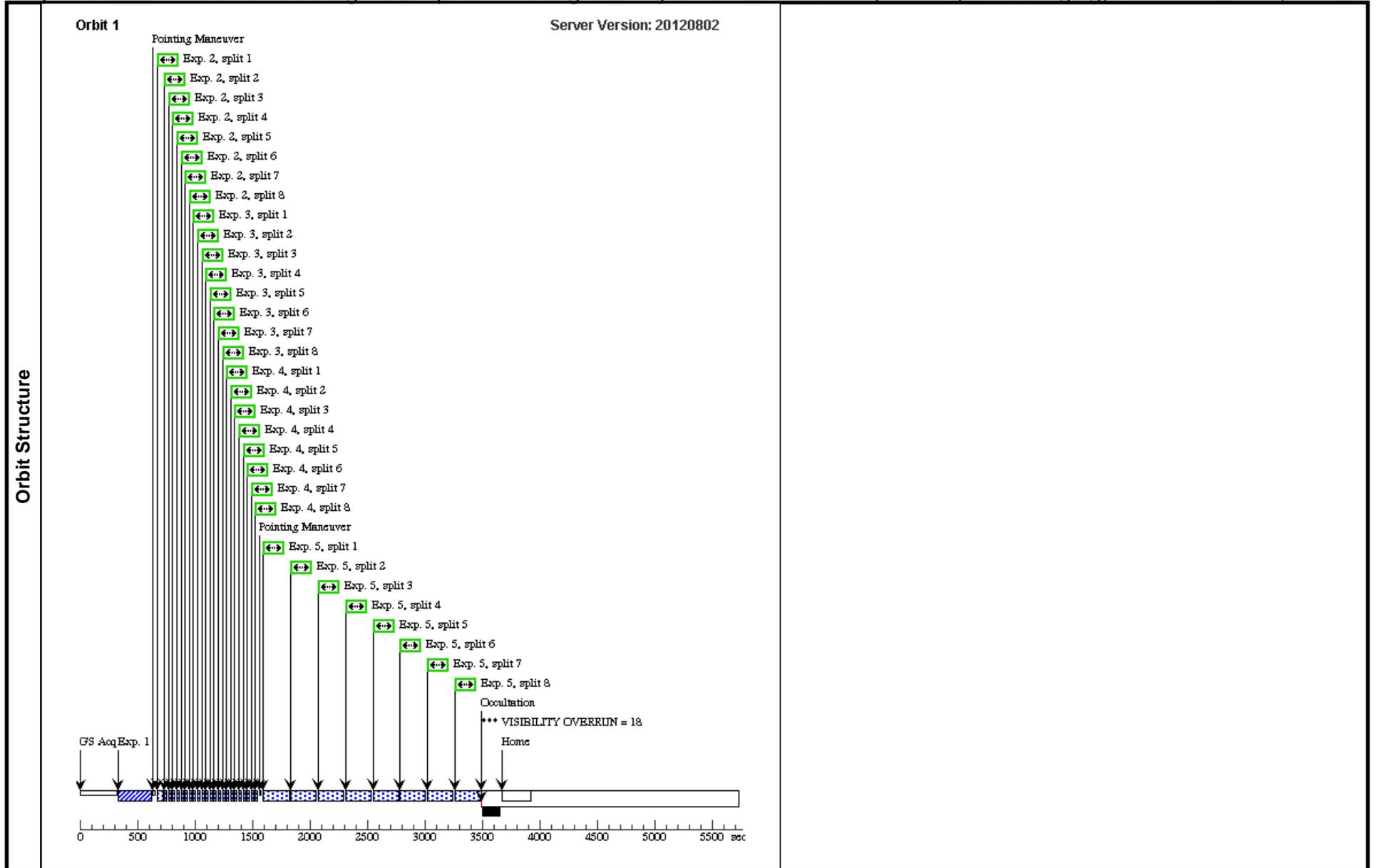
Proposal 12228 - Visit 87 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF09B_A CQ	(23) PSF09B-HD531 43-HD59780	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs	
								[==>]	[1]
								<p><i>Comments: Goal: SNR = 100, V = 6.522, sp = G8III. Exptime rounded (up) to nearest 0.1 second ETC: SNR = 100 in 0.134s; in 0.2s SNR = 169</i></p>	
2	PSF09B_SH ORTS_1	(23) PSF09B-HD531 43-HD59780	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			111.2 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 59780 is V = 6.522 so saturation in 15.445s. So 90% full well in appx 13.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF09B_SH ORTS_2	(23) PSF09B-HD531 43-HD59780	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			111.2 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 59780 is V = 6.522 so saturation in 15.445s. So 90% full well in appx 13.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Exposures

Proposal 12228 - Visit 87 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF09B_SH (23) PSF09B-HD531 STIS/CCD, ACCUM, WEDGEA0.6 MIRROR ORTS_3 43-HD59780	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4	111.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$.				
HD 59780 is $V = 6.522$ so saturation in 15.445s.				
So 90% full well in appx 13.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$)				
For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target				
to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the				
Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.				
5	PSF09B_LO (23) PSF09B-HD531 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR NG 43-HD59780	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	1668 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$.				
HD 59780 is $V = 6.522$ so we expect saturation in 20.137s.				
So 90% full well in appx 18.125s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of				
visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.				
SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$)				
For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target				
to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the				
Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.				

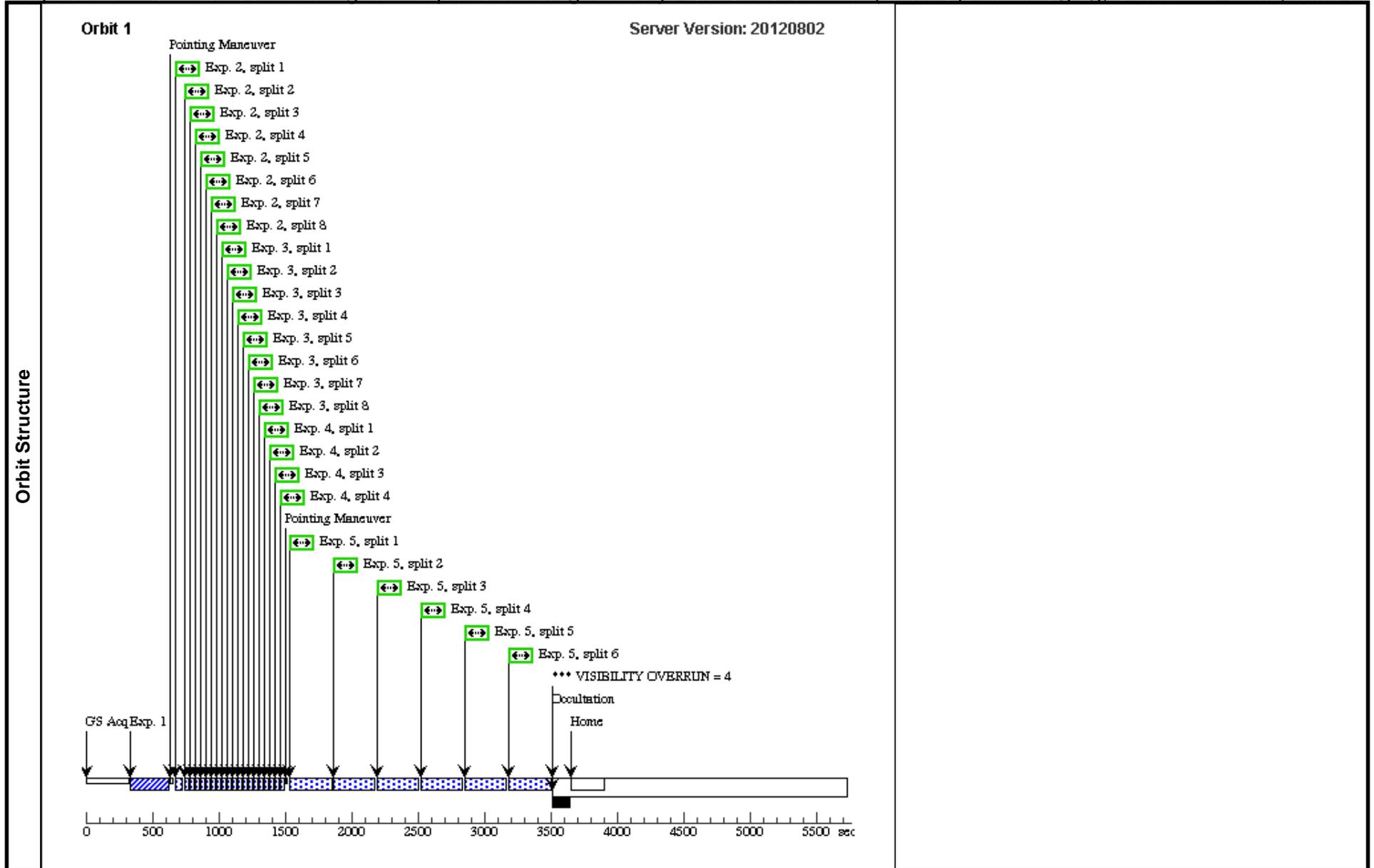


Proposal 12228 - Visit 88 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD53143_A (9) HD53143 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.2 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 6.81, sp = G9V, Exptime rounded to nearest 0.1 second</i>								
	2	HD53143_S (9) HD53143 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>								
3	HD53143_S (9) HD53143 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			137.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									
4	HD53143_S (9) HD53143 HORTS_3	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=4; GAIN=4			68.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 53143 is V = 6.81 so saturation in 19.2s. So 90% full well in appx 17.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i> <i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>									

Proposal 12228 - Visit 88 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

5	HD53143_L (9) HD53143 ONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=6; GAIN=4	1800 Secs [=>(Split 1)] [=>(Split 2)] [=>(Split 3)] [=>(Split 4)] [=>(Split 5)] [=>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at $r=0.3''$ from wings of stellar PSF in 1 second for $V=3.55$. HD 53143 is $V = 6.81$ so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent ($r = 0.5''$) For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 91 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:34:59 GMT 2012

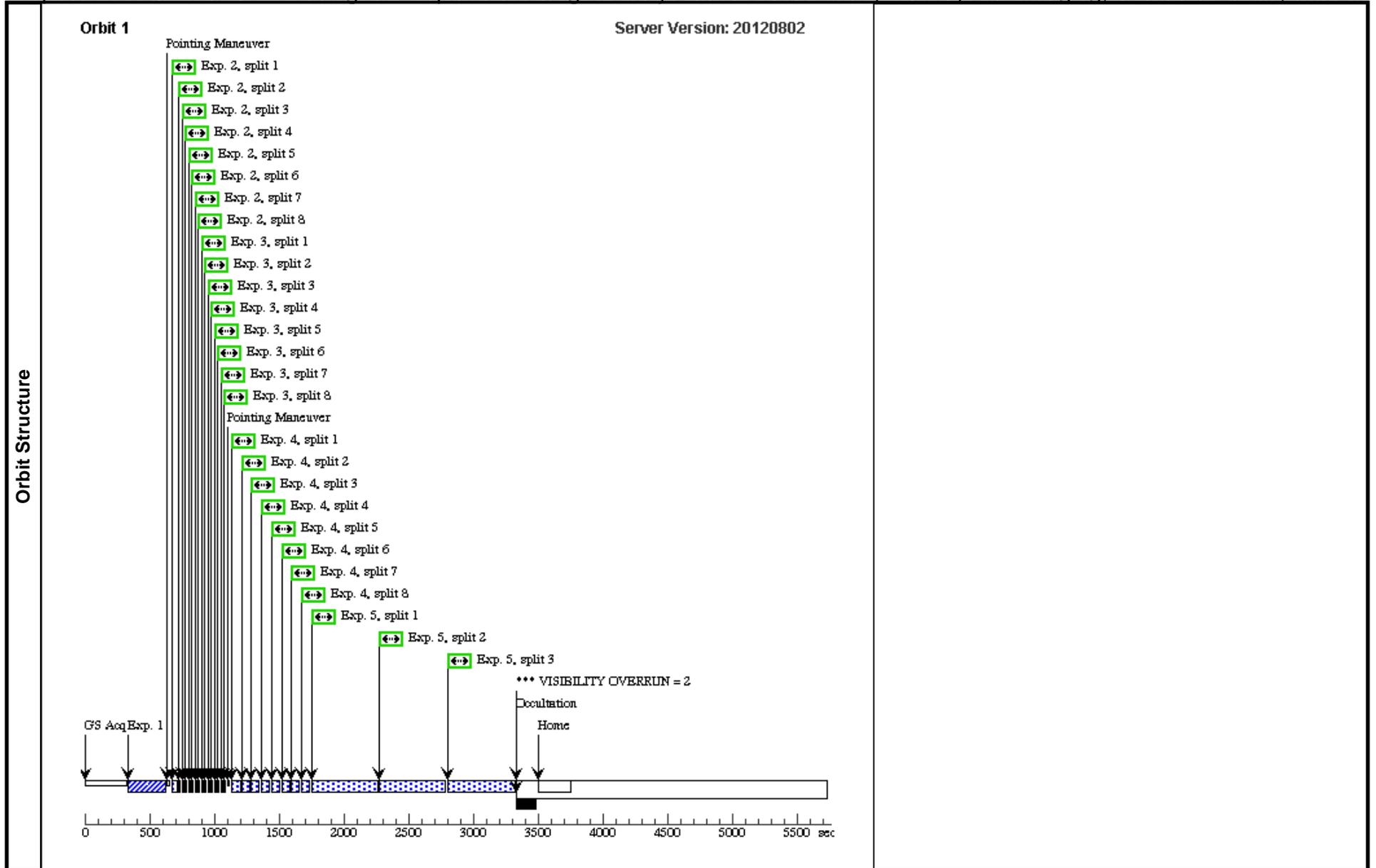
Visit	<p>Proposal 12228, Visit 91, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -24D TO -24D FROM 92</p> <p><i>Comments: HD 139664 (V=4.64, B-V = +0.40).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 139664 at different relative orientations with one PSF calibration observation interleaved. This is the first HD 139664 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (91) at -30 deg from Visit 92, with the absolute orientation of Visit 92 unconstrained. Here we specify an exact value of -25 deg due to schedlability limitations.</i></p> <p><i>Relative Timing: This visit (91) should immediately precede visit (92). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
	<p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 91) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 91) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																			
Diagnosics																																				
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(10)</td> <td>HD139664</td> <td>RA: 15 41 11.3774 (235.2974058d)</td> <td>Proper Motion RA: -168.70 mas/yr</td> <td>V=4.64</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HIP76829</td> <td>Dec: -44 39 40.34 (-44.66121d)</td> <td>Proper Motion Dec: -265.69 mas/yr</td> <td>B-V = +0.40</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: SAO226064</td> <td>Equinox: J2000</td> <td>Parallax: 0.05709"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(10)	HD139664	RA: 15 41 11.3774 (235.2974058d)	Proper Motion RA: -168.70 mas/yr	V=4.64	Reference Frame: ICRS		Alt Name1: HIP76829	Dec: -44 39 40.34 (-44.66121d)	Proper Motion Dec: -265.69 mas/yr	B-V = +0.40			Alt Name2: SAO226064	Equinox: J2000	Parallax: 0.05709"						Epoch of Position: 2000							
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<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. F5V</i></p>																																				

Proposal 12228 - Visit 91 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD139664_ (10) HD139664 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.10 Secs [==>]	[1]
	<p><i>Comments: SNR = 188, V = 4.64, sp = F5V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD139664_ (10) HD139664 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD139664_ (10) HD139664 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 91 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

<p>4 HD139664_ (10) HD139664 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR SIZEAXIS2=427; MEDIUM CR-SPLIT=8; GAIN=4</p> <p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>	<p>384 Secs</p> <p>[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]</p>	<p>[1]</p>
<p>5 HD139664_ (10) HD139664 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR SIZEAXIS2=427; LONG CR-SPLIT=3; GAIN=4</p> <p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>	<p>1490 Secs</p> <p>[==>(Split 1)] [==>(Split 2)] [==>(Split 3)]</p>	<p>[1]</p>

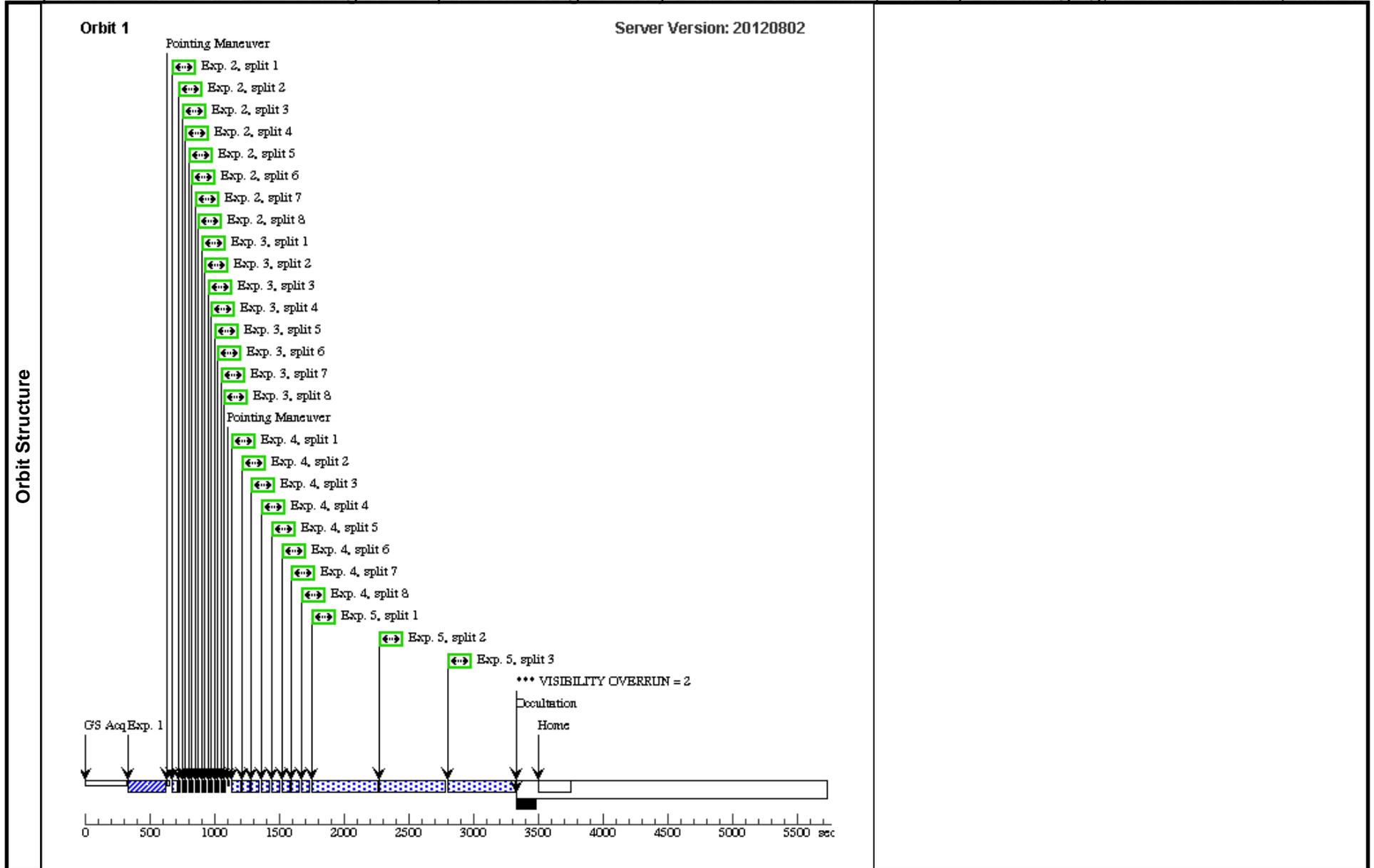


Proposal 12228 - Visit 92 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD139664_ (10) HD139664 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.10 Secs [==>]	[1]
	<p><i>Comments: SNR = 188, V = 4.64, sp = F5V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD139664_ (10) HD139664 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD139664_ (10) HD139664 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 92 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	HD139664_ (10) HD139664 MEDIUM	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	384 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					
5	HD139664_ (10) HD139664 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1490 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 93 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:35:22 GMT 2012

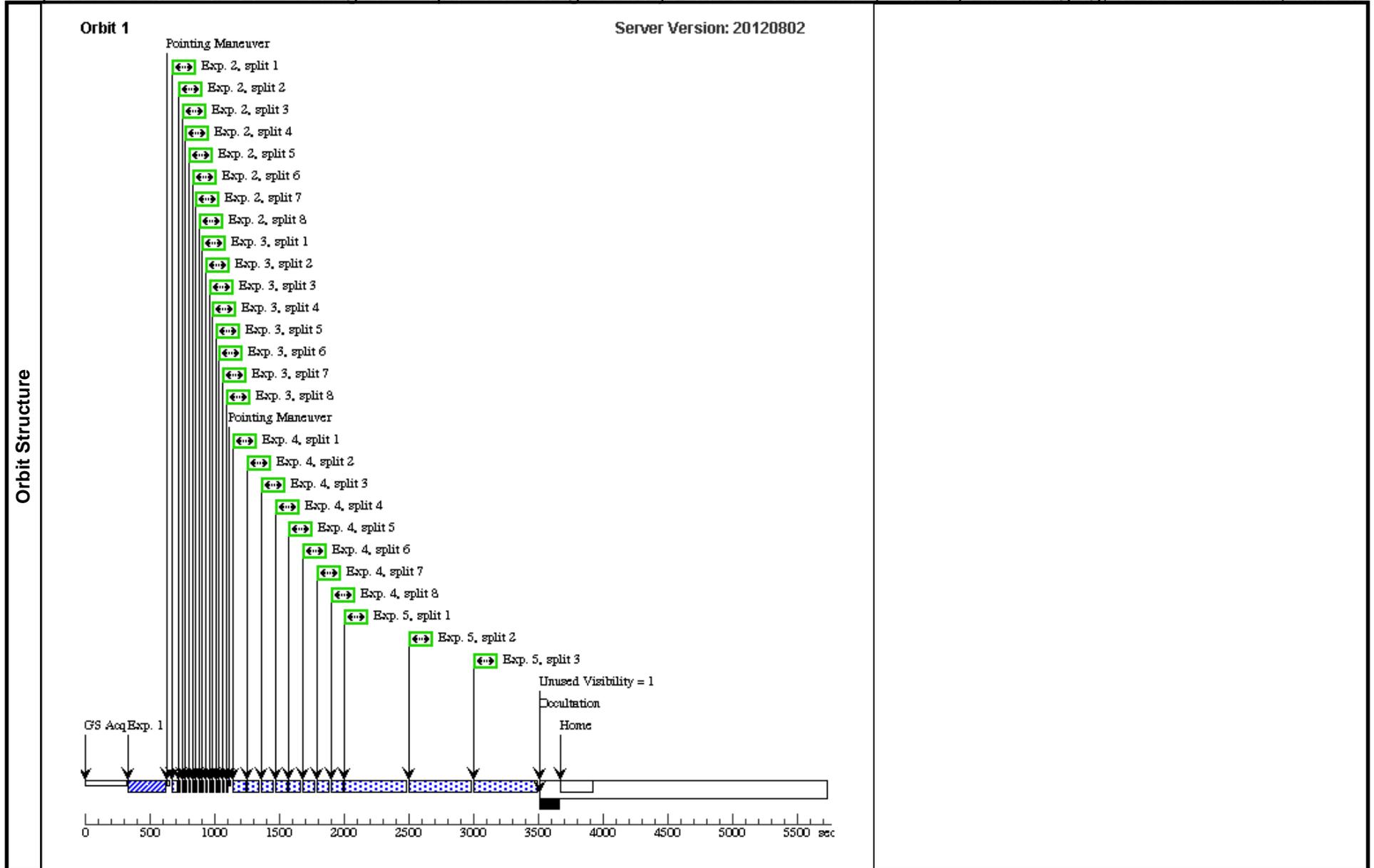
Visit	<p>Proposal 12228, Visit 93, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 92 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF10A (HD99453). PSF calibration target for HD 139664 . V = 5.17. B - V = +0.50.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (91-94). We levy no orientation constraints on this visit (43). However, we choose this target very close in the sky to its paired science target. So as Visits 92 and 93 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 32 will be) the we expect absolute orientations of Visits 92 and 93 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (93) should immediately follow visit 92 and immediately precede visit 94. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																
	<p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 93) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(21)</td> <td>PSF10-HD139664-HD99453</td> <td>RA: 11 25 43.1462 (171.4297758d) Dec: -63 58 20.91 (-63.97248d)</td> <td>Proper Motion RA: -314.38 mas/yr Proper Motion Dec: -65.51 mas/yr Parallax: 0.03646" Epoch of Position: 2000</td> <td>V=5.17 B-V = +0.50</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(21)	PSF10-HD139664-HD99453	RA: 11 25 43.1462 (171.4297758d) Dec: -63 58 20.91 (-63.97248d)	Proper Motion RA: -314.38 mas/yr Proper Motion Dec: -65.51 mas/yr Parallax: 0.03646" Epoch of Position: 2000	V=5.17 B-V = +0.50	Reference Frame: ICRS	<p><i>Comments: Spec. F7V</i></p> <p><i>This is not an ideal PSF star for HD139664, but pickings are slim.</i></p> <p><i>It is 0.53 Vmag magnitude fainter, and +0.10 B-V reder tahn HD135344.</i></p> <p><i>It also is further away than prefeable (for Sun/Beta angle considerations), but at dec= -64 deg passess through the CVZ so aids in scheduling.</i></p> <p><i>On the positive side it has been observed previously with STIS and is known single.</i></p>			
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(21)	PSF10-HD139664-HD99453	RA: 11 25 43.1462 (171.4297758d) Dec: -63 58 20.91 (-63.97248d)	Proper Motion RA: -314.38 mas/yr Proper Motion Dec: -65.51 mas/yr Parallax: 0.03646" Epoch of Position: 2000	V=5.17 B-V = +0.50	Reference Frame: ICRS												

Proposal 12228 - Visit 93 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF10A_A CQ	(21) PSF10-HD1396 64-HD99453	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.1 Secs [==>]	[1]
	<p><i>Comments: SNR = 148, V = 5.17, sp = F7V, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF10A_SH ORTS_1	(21) PSF10-HD1396 64-HD99453	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			31.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0). V = 5.17 (F7V) so saturation in 4.4s. So 90% full well in appx 3.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF10A_SH ORTS_1	(21) PSF10-HD1396 64-HD99453	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			31.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0). V = 5.17 (F7V) so saturation in 4.4s. So 90% full well in appx 3.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 93 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF10A_M (21) PSF10-HD1396 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR EDIUM 64-HD99453	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	624 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				
5	PSF10A_L (21) PSF10-HD1396 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 64-HD99453	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1410 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				



Proposal 12228 - Visit 94 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:35:31 GMT 2012

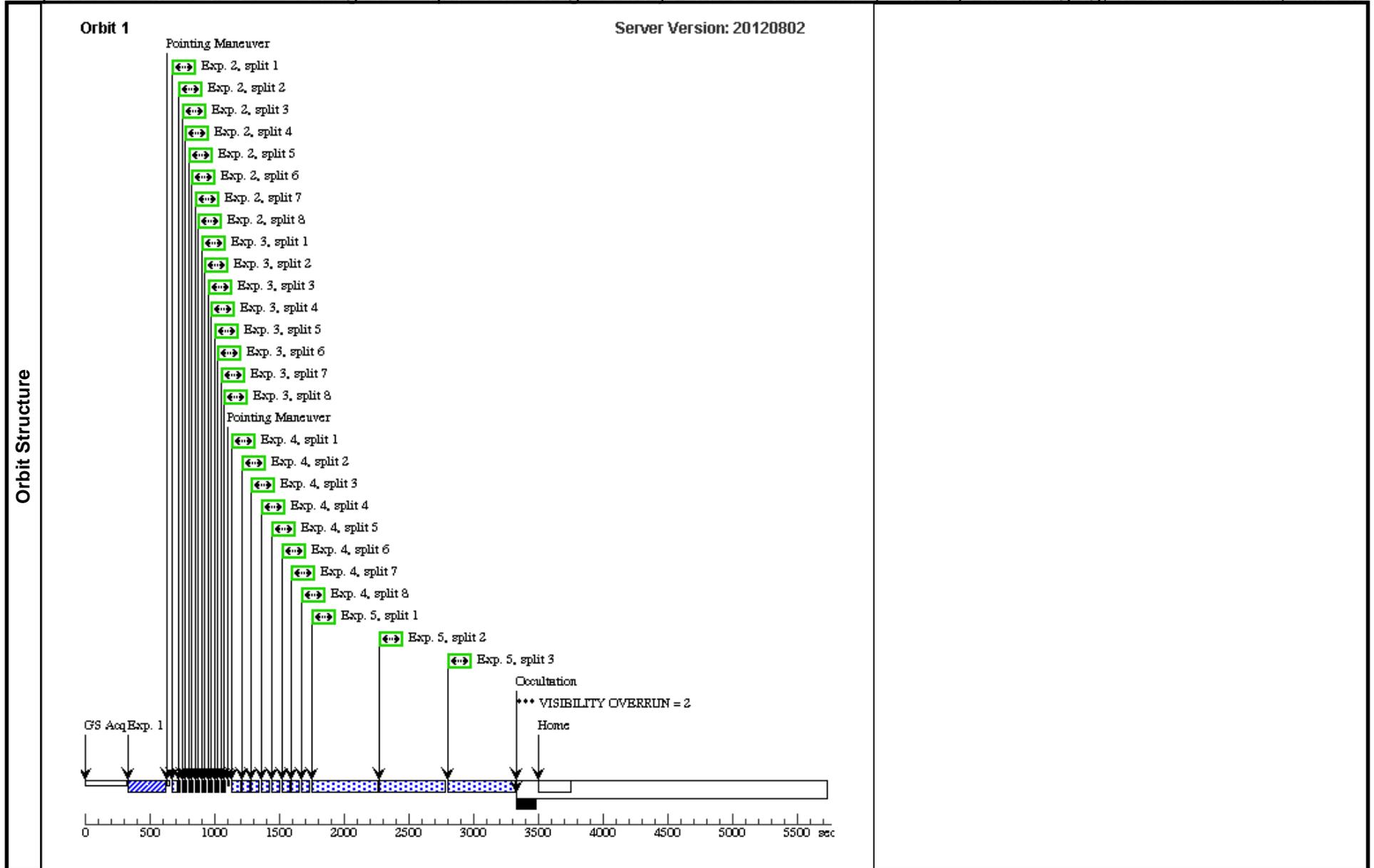
Visit	<p>Proposal 12228, Visit 94, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 18D TO 18D FROM 92; AFTER 93 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 139664 (V=4.64, B-V = +0.40).</i></p> <p><i>First of two sets of visits, each containing three visits of HD 139664 at different relative orientations with one PSF calibration observation interleaved. This is the third HD 139664 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (94) at +30 deg from Visit 92, with the absolute orientation of Visit 92 unconstrained. However, only smaller Orient Froms were found to be schedulable. Here we specify exactly +18 deg as the minimum for this offset. Further reduction may be possible but only with changes in the relative orientations of other visits.</i></p> <p><i>Relative Timing: This visit (94) should immediately follow Visit 93. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
	<p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 94) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 94) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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			Epoch of Position: 2000																																

Proposal 12228 - Visit 94 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD139664_ (10) HD139664 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.10 Secs [==>]	[1]
	<p><i>Comments: SNR = 188, V = 4.64, sp = F5V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD139664_ (10) HD139664 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD139664_ (10) HD139664 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 94 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	HD139664_ (10) HD139664 MEDIUM	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	384 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55.</i> <i>SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V).</i> <i>HD 139664 is V = 4.64 (F5V) so saturation in 2.7s.</i> <i>So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					
5	HD139664_ (10) HD139664 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1490 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55.</i> <i>SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V).</i> <i>HD 139664 is V = 4.64 (F5V) so saturation in 2.7s.</i> <i>So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 95 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:35:43 GMT 2012

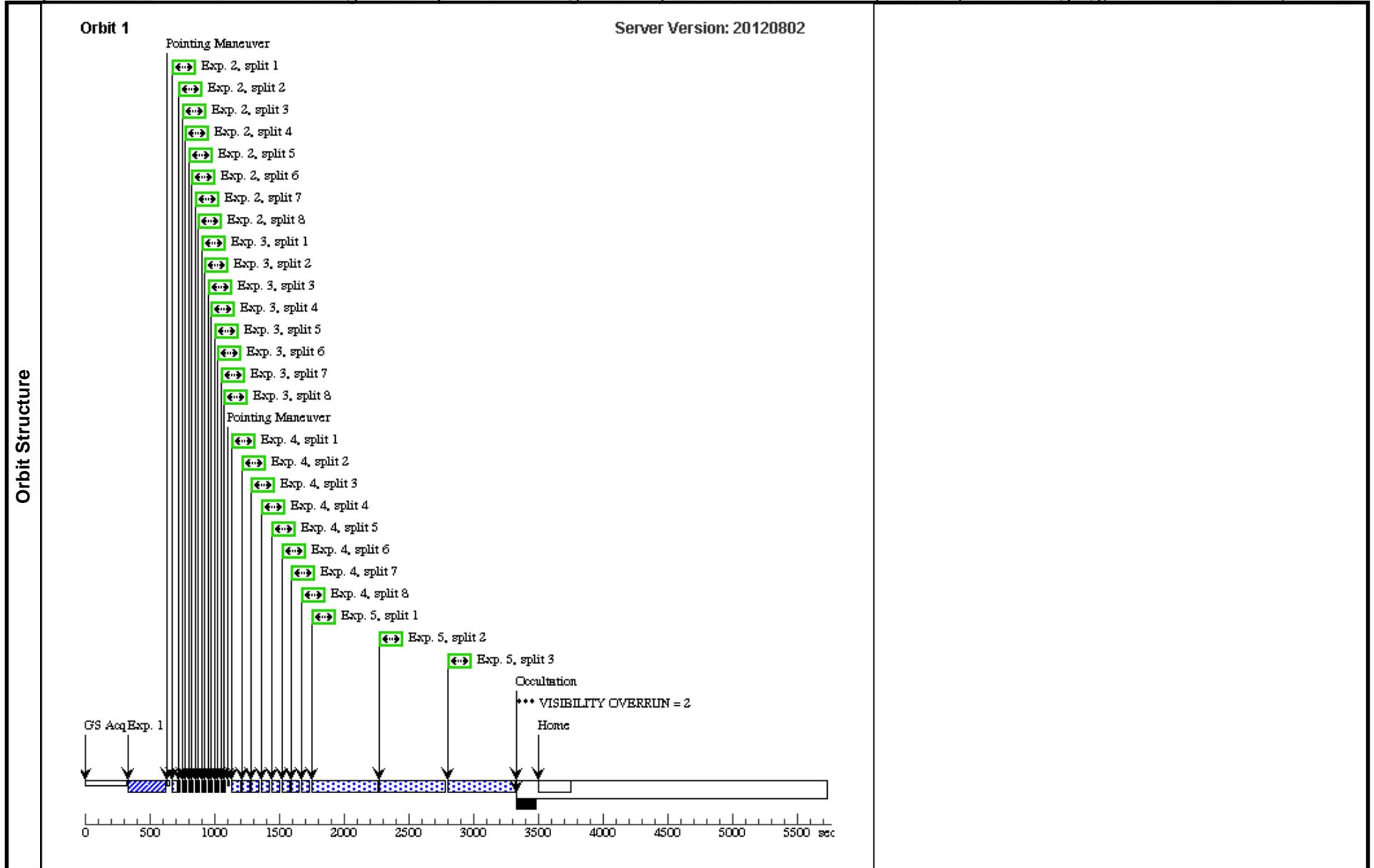
Visit	<p>Proposal 12228, Visit 95, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -90D TO -80D FROM 91</p> <p><i>Comments: HD 139664 (V=4.64, B-V = +0.40).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 139664 at different relative orientations with one PSF calibration observation interleaved. This is the first HD 139664 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (95) at EITHER -90 deg OR +90 deg from Visit 91. Either is equally acceptable, but there is no way to specify this via APT 18.2. Here we specify an acceptable Orient From in the positive range of +80 to +90 deg (to aid in schedulability and acceptable to our needs). If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable she may freely change the parity of the relative orientation to -80 deg to -90 deg from Visit 91</i></p> <p><i>Schedule in orbit immediately before Visit 96.</i></p>																																		
	<p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 95) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																		
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Proposal 12228 - Visit 95 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD139664_ (10) HD139664 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.10 Secs [==>]	[1]
	<p><i>Comments: SNR = 188, V = 4.64, sp = F5V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD139664_ (10) HD139664 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD139664_ (10) HD139664 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 95 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	HD139664_ (10) HD139664 MEDIUM	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	384 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55.</i> <i>SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V).</i> <i>HD 139664 is V = 4.64 (F5V) so saturation in 2.7s.</i> <i>So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					
5	HD139664_ (10) HD139664 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1490 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55.</i> <i>SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V).</i> <i>HD 139664 is V = 4.64 (F5V) so saturation in 2.7s.</i> <i>So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					

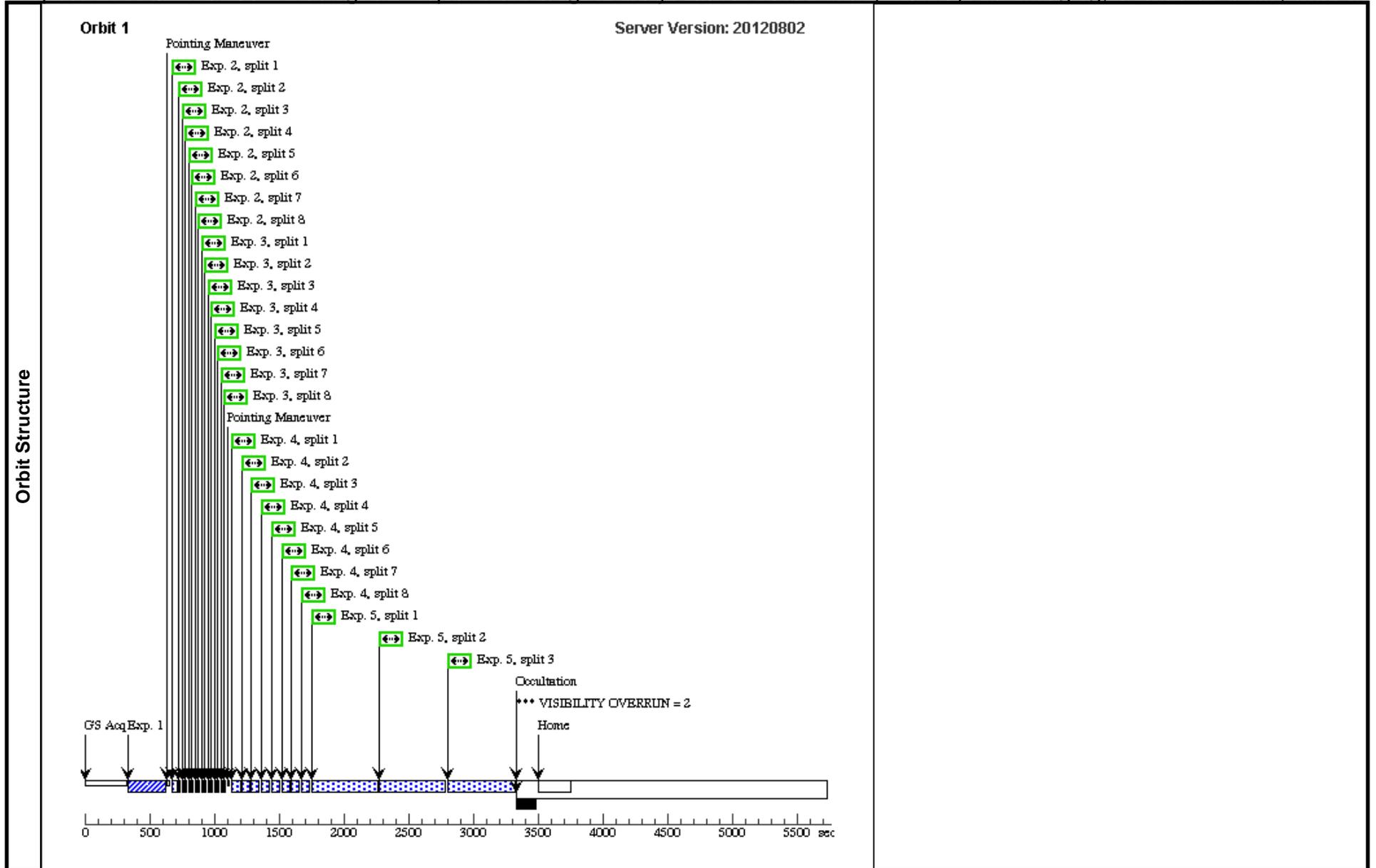


Proposal 12228 - Visit 96 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD139664_ (10) HD139664 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.10 Secs [==>]	[1]
	<p><i>Comments: SNR = 188, V = 4.64, sp = F5V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD139664_ (10) HD139664 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD139664_ (10) HD139664 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 96 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	HD139664_ (10) HD139664 MEDIUM	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	384 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					
5	HD139664_ (10) HD139664 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1490 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Proposal 12228 - Visit 97 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:36:06 GMT 2012

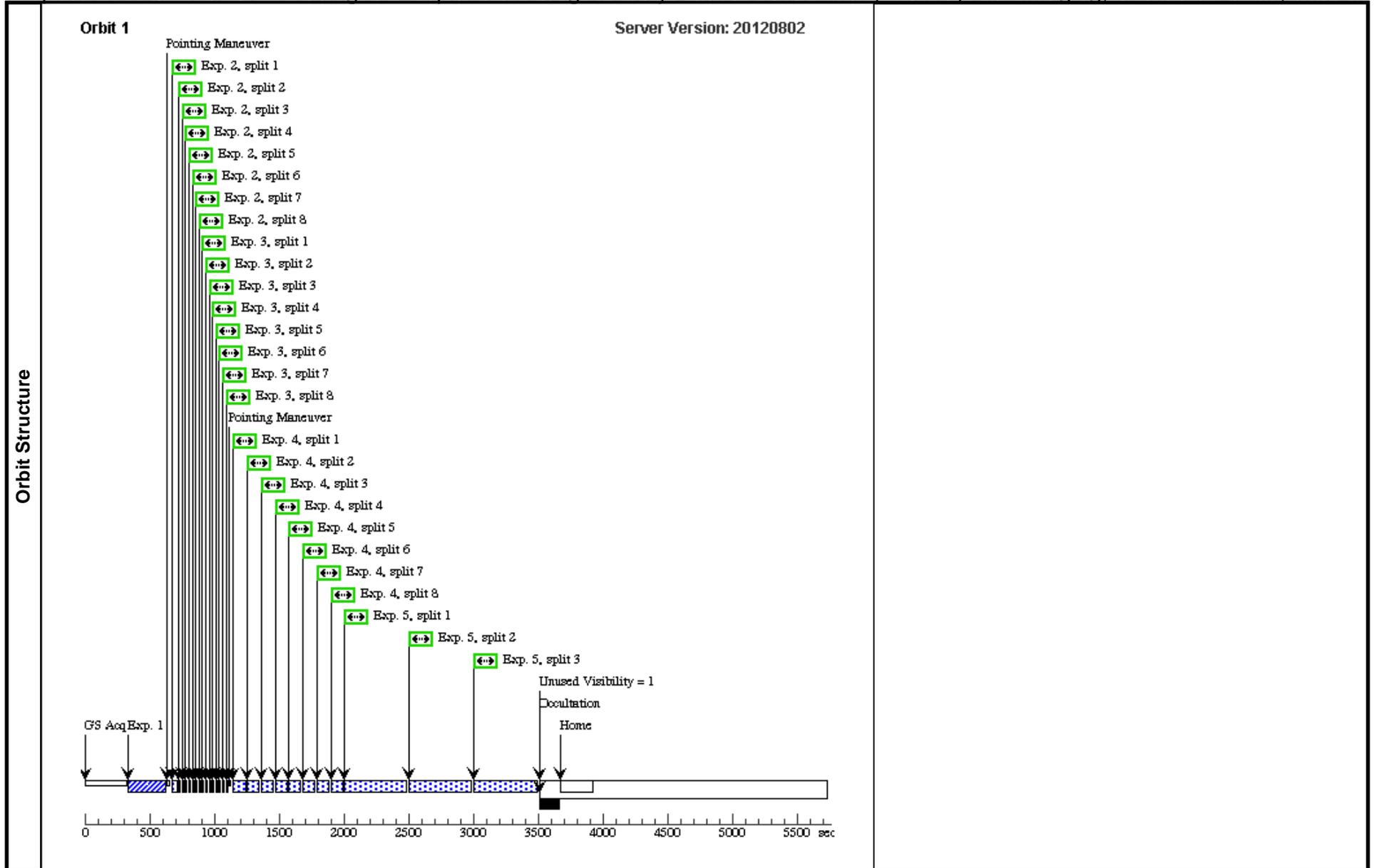
Visit	<p>Proposal 12228, Visit 97, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER 96 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF10A (HD99453). PSF calibration target for HD 139664 . V = 5.17. B - V = +0.50.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (95-98). We levy no orientation constraints on this visit (97). However, we choose this target very close in the sky to its paired science target. So as Visits 96 and 97 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 36 will be) the we expect absolute orientations of Visits 76 and 77 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (97) should immediately follow visit 36 and immediately precede visit 98. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>													
	Diagnostics	<p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit 97) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>												
Fixed Targets		<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(21)</td> <td>PSF10-HD139664-HD99453</td> <td>RA: 11 25 43.1462 (171.4297758d) Dec: -63 58 20.91 (-63.97248d)</td> <td>Proper Motion RA: -314.38 mas/yr Proper Motion Dec: -65.51 mas/yr Parallax: 0.03646" Epoch of Position: 2000</td> <td>V=5.17 B-V = +0.50</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Spec. F7V</i> <i>This is not an ideal PSF star for HD139664, but pickings are slim.</i> <i>It is 0.53 Vmag magnitude fainter, and +0.10 B-V reder tahn HD135344.</i> <i>It also is further away than prefeable (for Sun/Beta angle considerations), but at dec= -64 deg passess through the CVZ so aids in scheduling.</i> <i>On the positive side it has been observed previously with STIS and is known single.</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(21)	PSF10-HD139664-HD99453	RA: 11 25 43.1462 (171.4297758d) Dec: -63 58 20.91 (-63.97248d)	Proper Motion RA: -314.38 mas/yr Proper Motion Dec: -65.51 mas/yr Parallax: 0.03646" Epoch of Position: 2000	V=5.17 B-V = +0.50	Reference Frame: ICRS
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(21)		PSF10-HD139664-HD99453	RA: 11 25 43.1462 (171.4297758d) Dec: -63 58 20.91 (-63.97248d)	Proper Motion RA: -314.38 mas/yr Proper Motion Dec: -65.51 mas/yr Parallax: 0.03646" Epoch of Position: 2000	V=5.17 B-V = +0.50	Reference Frame: ICRS								

Proposal 12228 - Visit 97 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF10A_A CQ	(21) PSF10-HD1396 64-HD99453	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		0.1 Secs [==>]	[1]
	<p><i>Comments: SNR = 148, V = 5.17, sp = F7V, Exptime rounded to nearest 0.1 second</i></p>								
	2	PSF10A_SH ORTS_1	(21) PSF10-HD1396 64-HD99453	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		31.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0). V = 5.17 (F7V) so saturation in 4.4s. So 90% full well in appx 3.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF10A_SH ORTS_1	(21) PSF10-HD1396 64-HD99453	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		31.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0). V = 5.17 (F7V) so saturation in 4.4s. So 90% full well in appx 3.9s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

Proposal 12228 - Visit 97 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

4	PSF10A_M (21) PSF10-HD1396 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR EDIUM 64-HD99453	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	624 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				
5	PSF10A_L (21) PSF10-HD1396 STIS/CCD, ACCUM, WEDGEA1.0 MIRROR ONG 64-HD99453	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1410 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p>Comments: V = 7.74 so saturation in 47.4.0s. So 90% full well in appx 42.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. For long exposures at WedgeA1.0 go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</p>				

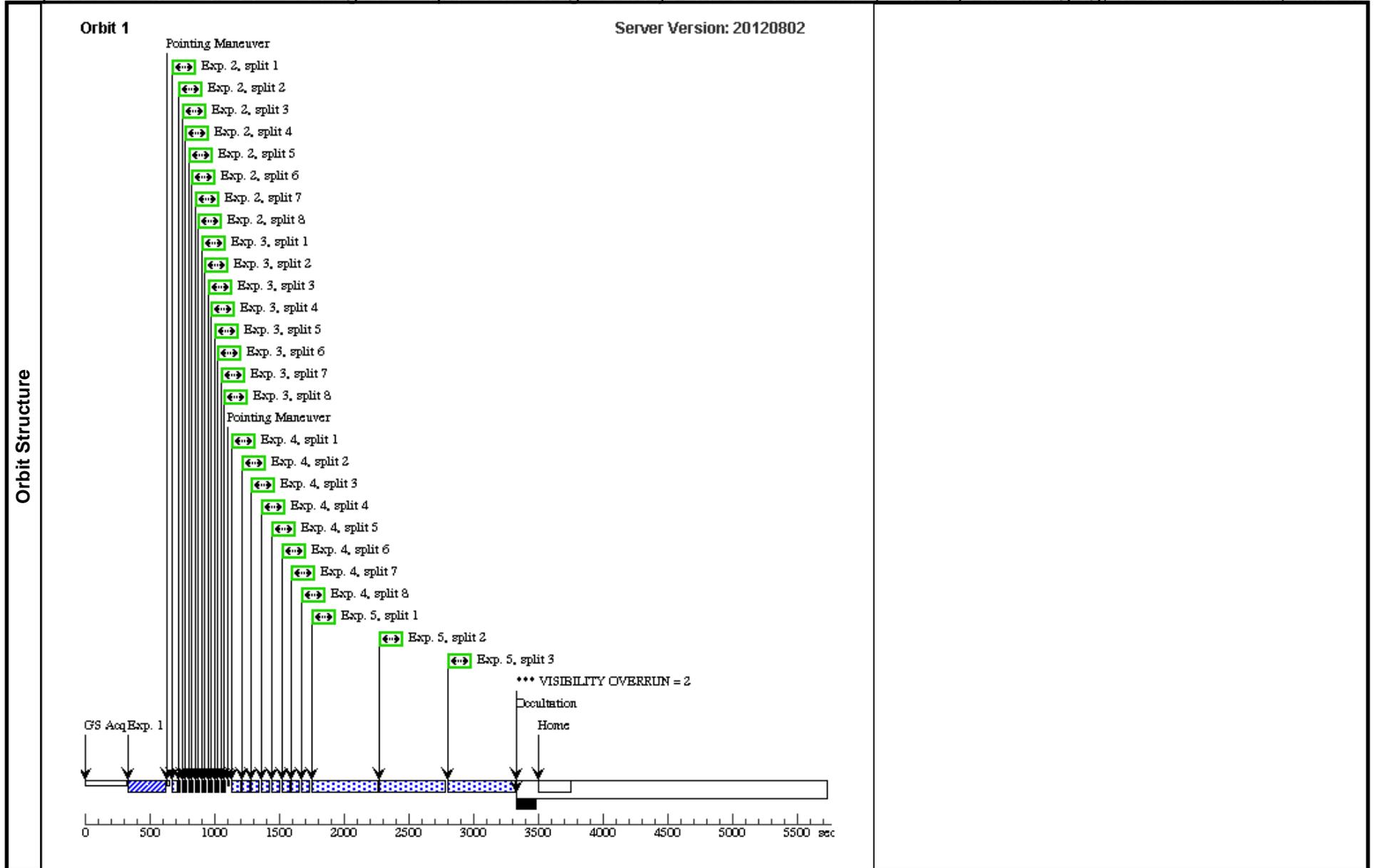


Proposal 12228 - Visit 98 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD139664_ (10) HD139664 ACQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.10 Secs [==>]	[1]
	<p><i>Comments: SNR = 188, V = 4.64, sp = F5V, Exptime rounded to nearest 0.1 second</i></p>								
	2	HD139664_ (10) HD139664 SHORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD139664_ (10) HD139664 SHORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			19.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V). HD 139664 is V = 4.64 (F5V) so saturation in 2.7s. So 90% full well in appx 2.4s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									

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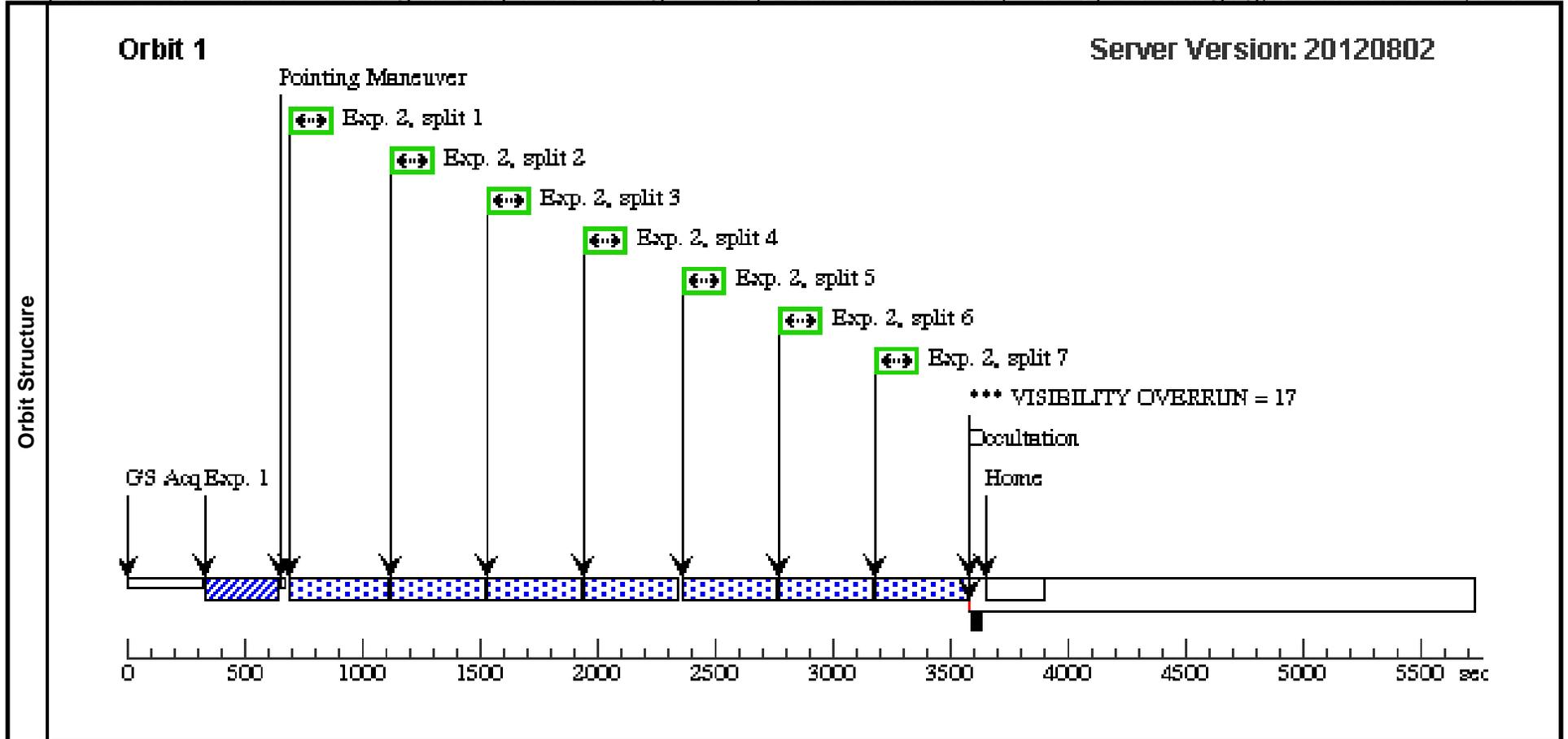
4	HD139664_ (10) HD139664 MEDIUM	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=8; GAIN=4	384 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55.</i> <i>SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V).</i> <i>HD 139664 is V = 4.64 (F5V) so saturation in 2.7s.</i> <i>So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					
5	HD139664_ (10) HD139664 LONG	STIS/CCD, ACCUM, WEDGEA1.0 MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4	1490 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55.</i> <i>SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55 (A0V).</i> <i>HD 139664 is V = 4.64 (F5V) so saturation in 2.7s.</i> <i>So 90% full well in appx 2.4s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 427, appropriate for the WedgeA1.0 position.</i></p>					



Visit	<p>Proposal 12228, Visit A1, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT -21D TO -21D FROM A2</p> <p><i>Comments: PDS66 (V=10.30, B-V = +1.01, K1V).</i></p> <p><i>First of two sets of visits, each containing three visits of PDS 66 at different relative orientations with one PSF calibration observation interleaved. This is the first PDS 66 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (A1) at -30 deg from Visit A2, with the absolute orientation of Visit A2 unconstrained.</i></p> <p><i>Relative Timing: This visit (A1) should immediately precede visit (A2). I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																													
	<p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A1) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A1) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																													
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Proposal 12228 - Visit A1 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PDS-66_AC Q	(11) PDS-66	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		4.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 10.35, sp = KIV. Exptime rounded to nearest 0.1 second</i>										
	2	PDS-66_FA INT	(11) PDS-66	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=7; GAIN=4			2720 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. PDS 66 is V = 10.35 so saturation in 452.6s. So 90% full well in appx 407.3s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i>										
	<i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										



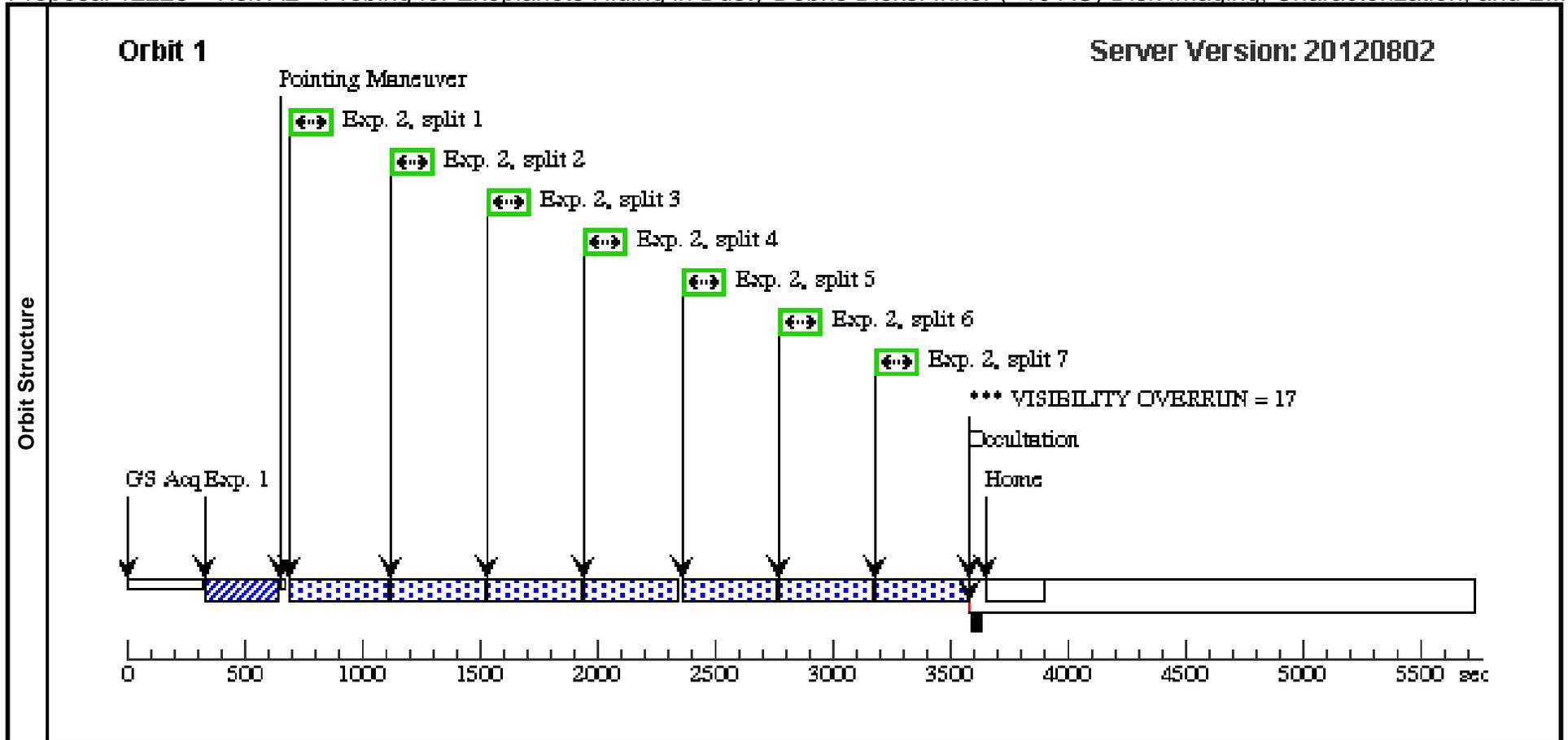
Proposal 12228 - Visit A2 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:36:35 GMT 2012

Visit	<p>Proposal 12228, Visit A2, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER A1 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PDS66 (V=10.30, B-V = +1.01, K1V).</i></p> <p><i>First of two sets of visits, each containing three visits of PDS 66 at different relative orientations with one PSF calibration observation interleaved. This is the second PDS 66 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: There are no orientation constraints on this visit (A2). Visits A1, A3, A4, A5, and A8 carry relative orientation constraints w.r.t. this visit.</i></p> <p><i>Relative Timing: This visit (A2) should immediately follow Visit A1 and immediately precede Visit A3 in back-to-back orbits.</i></p>																													
	<p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A2) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																													
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Proposal 12228 - Visit A2 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PDS-66_AC Q	(11) PDS-66	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		4.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 10.35, sp = KIV. Exptime rounded to nearest 0.1 second</i>										
	2	PDS-66_FA INT	(11) PDS-66	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=7; GAIN=4			2720 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]	
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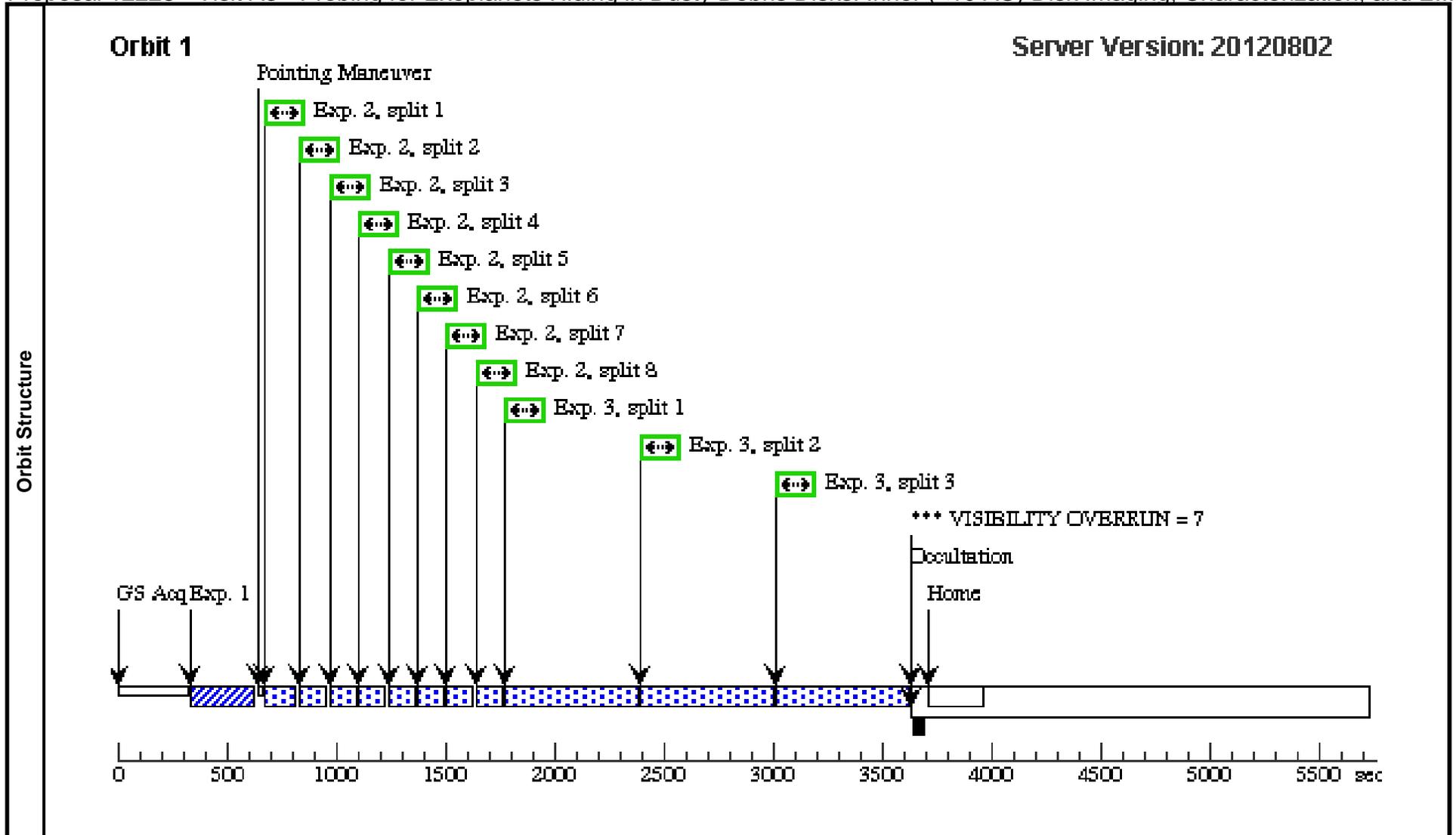
Proposal 12228 - Visit A3 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:36:43 GMT 2012

Visit	<p>Proposal 12228, Visit A3, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER A2 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF0AA (CD-701017). PSF calibration target for PDS 66. V = 9.58. B - V = +1.08.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (A1-A4). We levy no orientation constraints on this visit (A3). However, we choose this target very close in the sky to its paired science target. So as Visits A2 and A3 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 32 will be) the we expect absolute orientations of Visits A2 and A3 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (A3) should immediately follow visit A2 and immediately precede visit A4. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																													
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Proposal 12228 - Visit A3 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	PSF11A_A CQ	(22) PSF11-PDS66- CD-701017	STIS/CCD, ACQ, F25ND3	MIRROR	GS ACQ SCENARI O BASE1B3		1.1 Secs [==>]	[1]
	<p>Comments: SNR = 100, V = 9.58, sp = uncertain - assume M star form B-V Exptime rounded to nearest 0.1 secondsecond</p>								
	2	PSF11A_SH ORTS	(22) PSF11-PDS66- CD-701017	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4		889.8 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 9.58 so saturation in 123.6s. So 90% full well in appx 111.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits. SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>									
3	PSF11A_L ONGS	(22) PSF11-PDS66- CD-701017	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4		1792 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 9.58 so saturation in 123.6s. So 90% full well in appx 111.2s. For long exposures go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window. In THIS case only (and in Visit A7) we use Wedge0.6A for the long exposures (commensurate with the science target PDS-66). SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>									



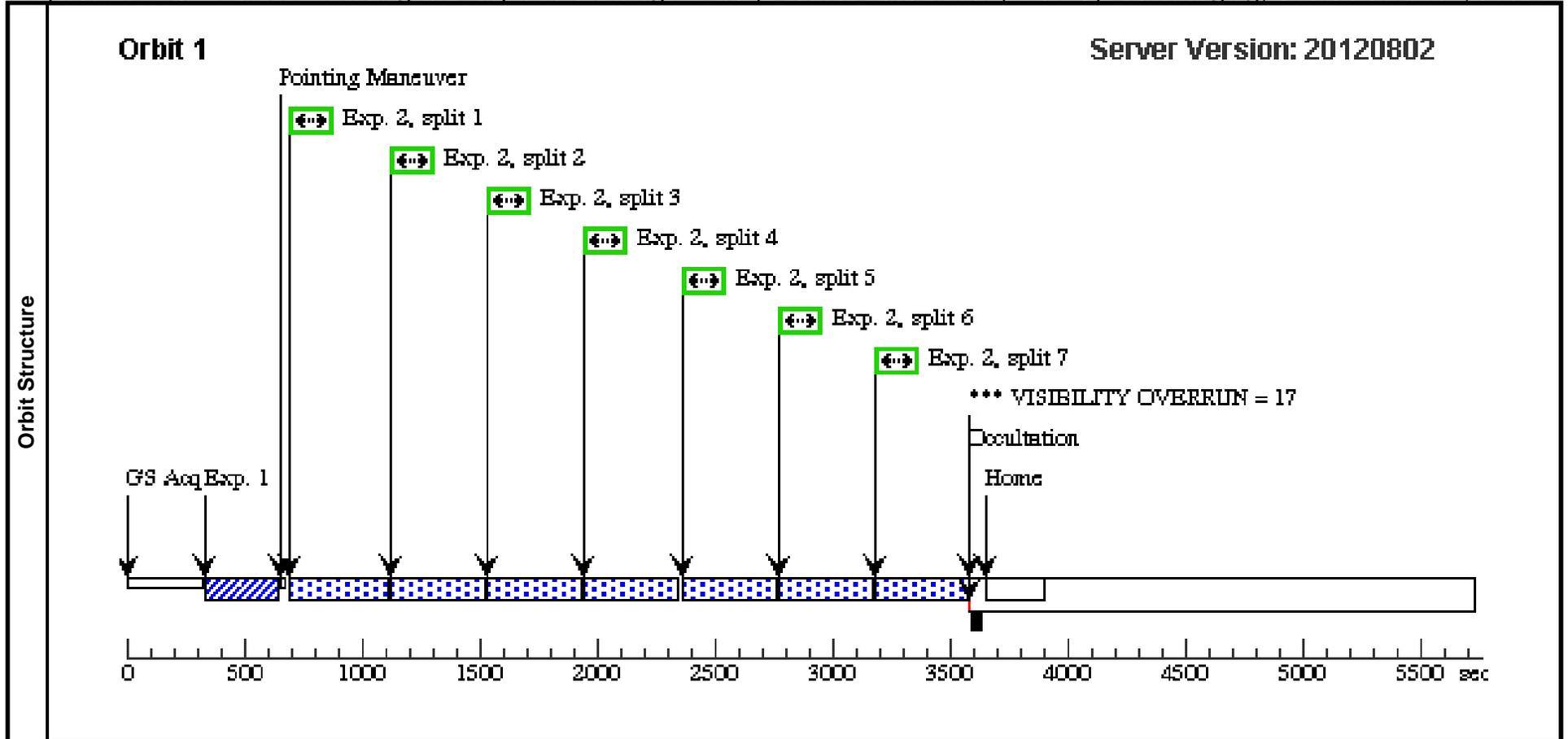
Proposal 12228 - Visit A4 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:36:57 GMT 2012

Visit	<p>Proposal 12228, Visit A4, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 21D TO 21D FROM A2; AFTER A3 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PDS66 (V=10.30, B-V = +1.01, K1V).</i></p> <p><i>First of two sets of visits, each containing three visits of PDS 66 at different relative orientations with one PSF calibration observation interleaved. This is the third PDS 66 visit in the first set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (A4) at +30 deg from Visit A2, with the absolute orientation of Visit A2 unconstrained.</i></p> <p><i>Relative Timing: This visit (A4) should immediately follow Visit A3. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																													
	<p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A4) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																													
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Proposal 12228 - Visit A4 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PDS-66_AC Q	(11) PDS-66	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		4.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 10.35, sp = KIV. Exptime rounded to nearest 0.1 second</i>										
	2	PDS-66_FA INT	(11) PDS-66	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=7; GAIN=4				2720 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. PDS 66 is V = 10.35 so saturation in 452.6s. So 90% full well in appx 407.3s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i>										
	<i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										



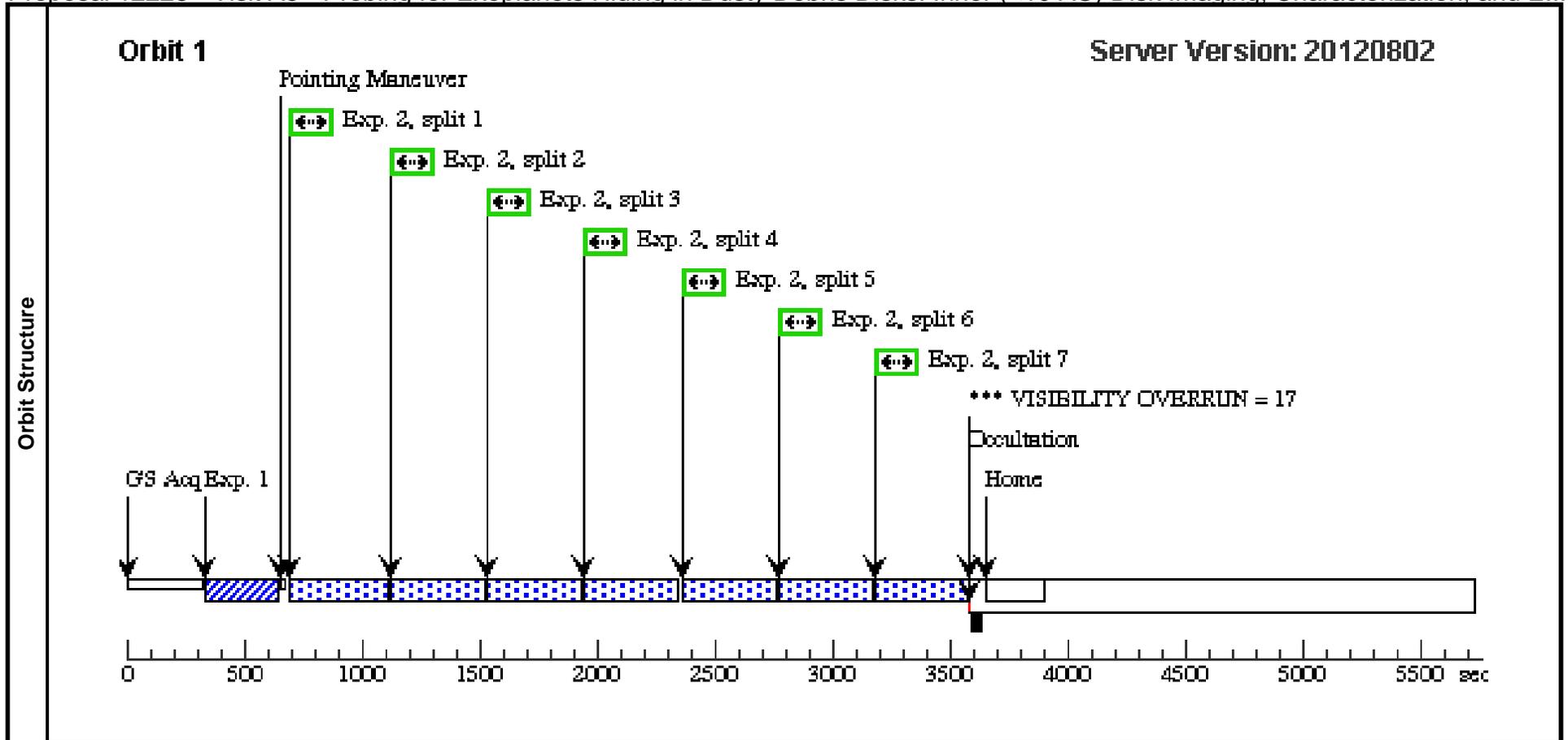
Proposal 12228 - Visit A5 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:37:05 GMT 2012

Visit	<p>Proposal 12228, Visit A5, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 80D TO 80D FROM A1</p> <p><i>Comments: PDS66 (V=10.30, B-V = +1.01, KIV).</i></p> <p><i>Second of two sets of visits, each containing three visits of PDS 66 at different relative orientations with one PSF calibration observation interleaved. This is the first PDS 66 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Relative Orientation: We wish to schedule this visit (A5) at EITHER -90 deg OR +90 deg from Visit 71. Either is equally acceptable, but there is no way to specify this via APT 18.2, so we arbitrarily specify an acceptable Orientation From in the positive range (because it worked) of +70 to +110 deg (to aid in schedulability and acceptable to our needs). If guide stars or other scheduling issues arise which APT is not cognizant of that makes these linked visits unschedulable she may freely change the parity of the relative orientation to -110 deg to -70 deg from Visit A1</i></p> <p><i>Schedule in orbit immediately before Visit A6.</i></p>																													
	<p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A5) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A5) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																													
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Proposal 12228 - Visit A5 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PDS-66_AC Q	(11) PDS-66	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		4.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 10.35, sp = KIV. Exptime rounded to nearest 0.1 second</i>										
	2	PDS-66_FA INT	(11) PDS-66	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=7; GAIN=4			2720 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. PDS 66 is V = 10.35 so saturation in 452.6s. So 90% full well in appx 407.3s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i>										
	<i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										



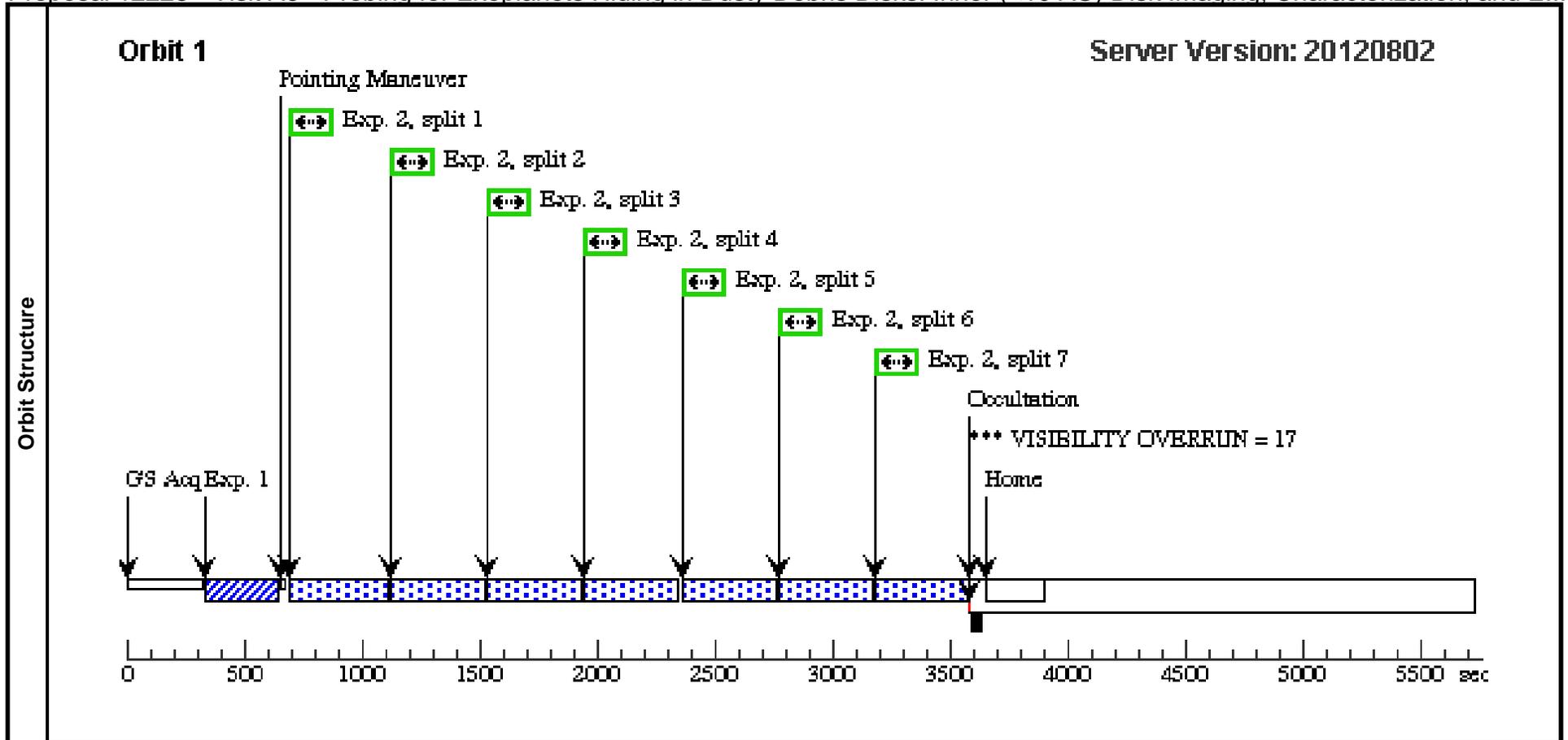
Proposal 12228 - Visit A6 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:37:14 GMT 2012

Visit	<p>Proposal 12228, Visit A6, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 18.5D TO 18.5D FROM A5; AFTER A5 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PDS66 (V=10.30, B-V = +1.01, K1V).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the second PDS 66 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (A6) at +30 deg from Visit A5. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (76) should immediately follow visit A5 and immediately precede visit 77. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																												
	<p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A6) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																												
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Proposal 12228 - Visit A6 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PDS-66_AC Q	(11) PDS-66	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		4.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 10.35, sp = KIV. Exptime rounded to nearest 0.1 second</i>										
	2	PDS-66_FA INT	(11) PDS-66	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=7; GAIN=4			2720 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. PDS 66 is V = 10.35 so saturation in 452.6s. So 90% full well in appx 407.3s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i>										
	<i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										



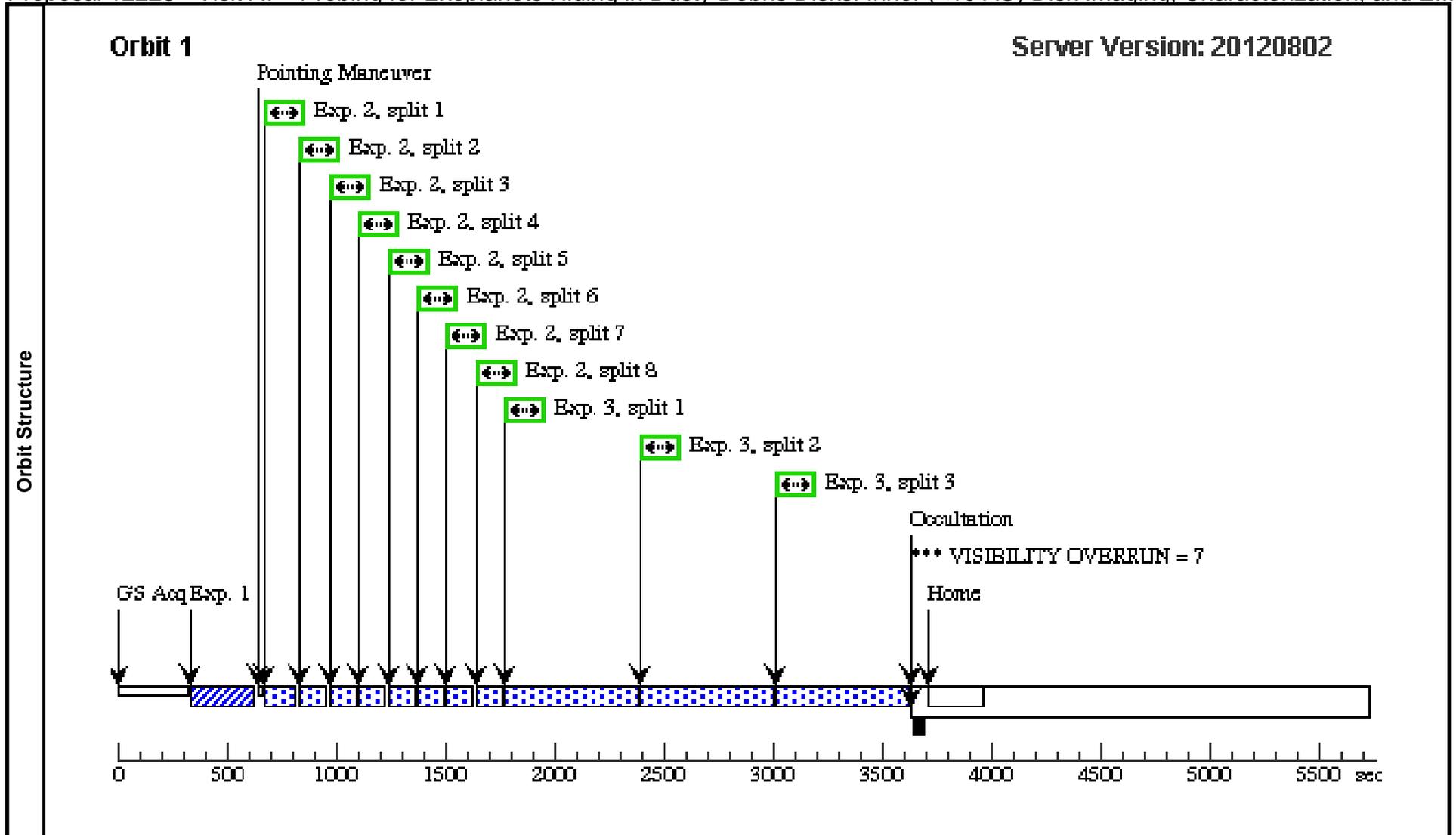
Proposal 12228 - Visit A7 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:37:22 GMT 2012

Visit	<p>Proposal 12228, Visit A7, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER A6 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PSF0AA (CD-701017). PSF calibration target for PDS 66. V = 9.58. B - V = +1.08.</i></p> <p><i>This is the PSF star calibrator for the flanking visits (A5-A8). We levy no orientation constraints on this visit (A7). However, we choose this target very close in the sky to its paired science target. So as Visits A6 and A7 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit 36 will be) the we expect absolute orientations of Visits A6 and A7 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (A7) should immediately follow visit 36 and immediately precede visit A8. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																													
	<p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																													
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(22)</td> <td>PSF11-PDS66-CD-701017</td> <td>RA: 13 12 7.0740 (198.0294750d) Dec: -70 45 33.81 (-70.75939d)</td> <td>Proper Motion RA: -8.30 mas/yr Proper Motion Dec: 1.70 mas/yr Epoch of Position: 2000.0</td> <td>V=9.58 B-V - +1.08</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: GSC09246-00862</td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: TYC9246-862-1</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: Spec. ? Color implies likely M star</i></p> <p><i>No obvious 3rd light contamination of POSS, DSS, or GSC2 survey plates</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(22)	PSF11-PDS66-CD-701017	RA: 13 12 7.0740 (198.0294750d) Dec: -70 45 33.81 (-70.75939d)	Proper Motion RA: -8.30 mas/yr Proper Motion Dec: 1.70 mas/yr Epoch of Position: 2000.0	V=9.58 B-V - +1.08	Reference Frame: ICRS		Alt Name1: GSC09246-00862	Equinox: J2000					Alt Name2: TYC9246-862-1				
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	Alt Name2: TYC9246-862-1																													

Proposal 12228 - Visit A7 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF11A_A CQ	(22) PSF11-PDS66- CD-701017	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		1.1 Secs	
								[==>]	[1]
								<p>Comments: SNR = 100, V = 9.58, sp = uncertain - assume M star form B-V Exptime rounded to nearest 0.1 secondsecond</p>	
2	PSF11A_SH ORTS	(22) PSF11-PDS66- CD-701017	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			889.8 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
[==>(Split 4)]									
[==>(Split 5)]									
[==>(Split 6)]									
[==>(Split 7)]									
[==>(Split 8)]									
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 9.58 so saturation in 123.6s. So 90% full well in appx 111.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>									
3	PSF11A_L ONGS	(22) PSF11-PDS66- CD-701017	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			1792 Secs	
								[==>(Split 1)]	[1]
								[==>(Split 2)]	
[==>(Split 3)]									
<p>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 9.58 so saturation in 123.6s. So 90% full well in appx 111.2s. For long exposures go <=20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window. In THIS case only (and in Visit A7) we use Wedge0.6A for the long exposures (commensurate with the science target PDS-66).</p> <p>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS2 = 137, appropriate for the WedgeA0.6 position.</p>									



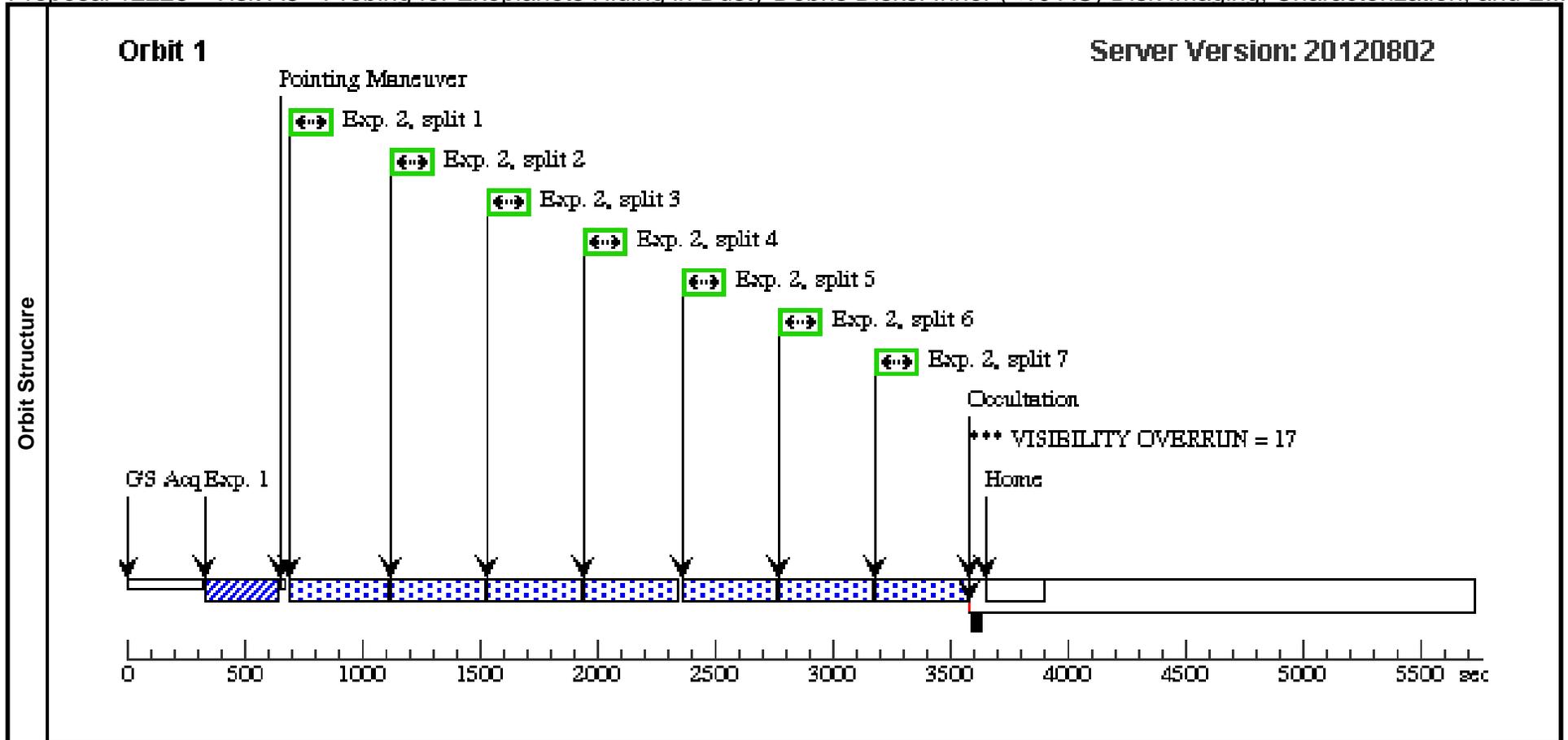
Proposal 12228 - Visit A8 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:37:35 GMT 2012

Visit	<p>Proposal 12228, Visit A8, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 37D TO 37D FROM A5; AFTER A7 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: PDS66 (V=10.30, B-V = +1.01, K1V).</i></p> <p><i>Second of two sets of visits, each containing three visits of PDS 66 at different relative orientations with one PSF calibration observation interleaved. This is the third PDS 66 visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (A8) at +60 deg from Visit A5. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found.</i></p> <p><i>Relative Timing: This visit (A8) should immediately follow Visit A7. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																													
	<p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit A8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit A8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p>																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(11)</td> <td>PDS-66</td> <td>RA: 13 22 7.5473 (200.5314471d)</td> <td>Proper Motion RA: -40.8 mas/yr</td> <td>V=10.35</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: MP-MUS</td> <td>Dec: -69 38 12.20 (-69.63672d)</td> <td>Proper Motion Dec: -23.30 mas/yr</td> <td>B-V = +1.01</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: GSC09246-00971</td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Spec. K1V</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(11)	PDS-66	RA: 13 22 7.5473 (200.5314471d)	Proper Motion RA: -40.8 mas/yr	V=10.35	Reference Frame: ICRS		Alt Name1: MP-MUS	Dec: -69 38 12.20 (-69.63672d)	Proper Motion Dec: -23.30 mas/yr	B-V = +1.01			Alt Name2: GSC09246-00971	Equinox: J2000	Epoch of Position: 2000		
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Proposal 12228 - Visit A8 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

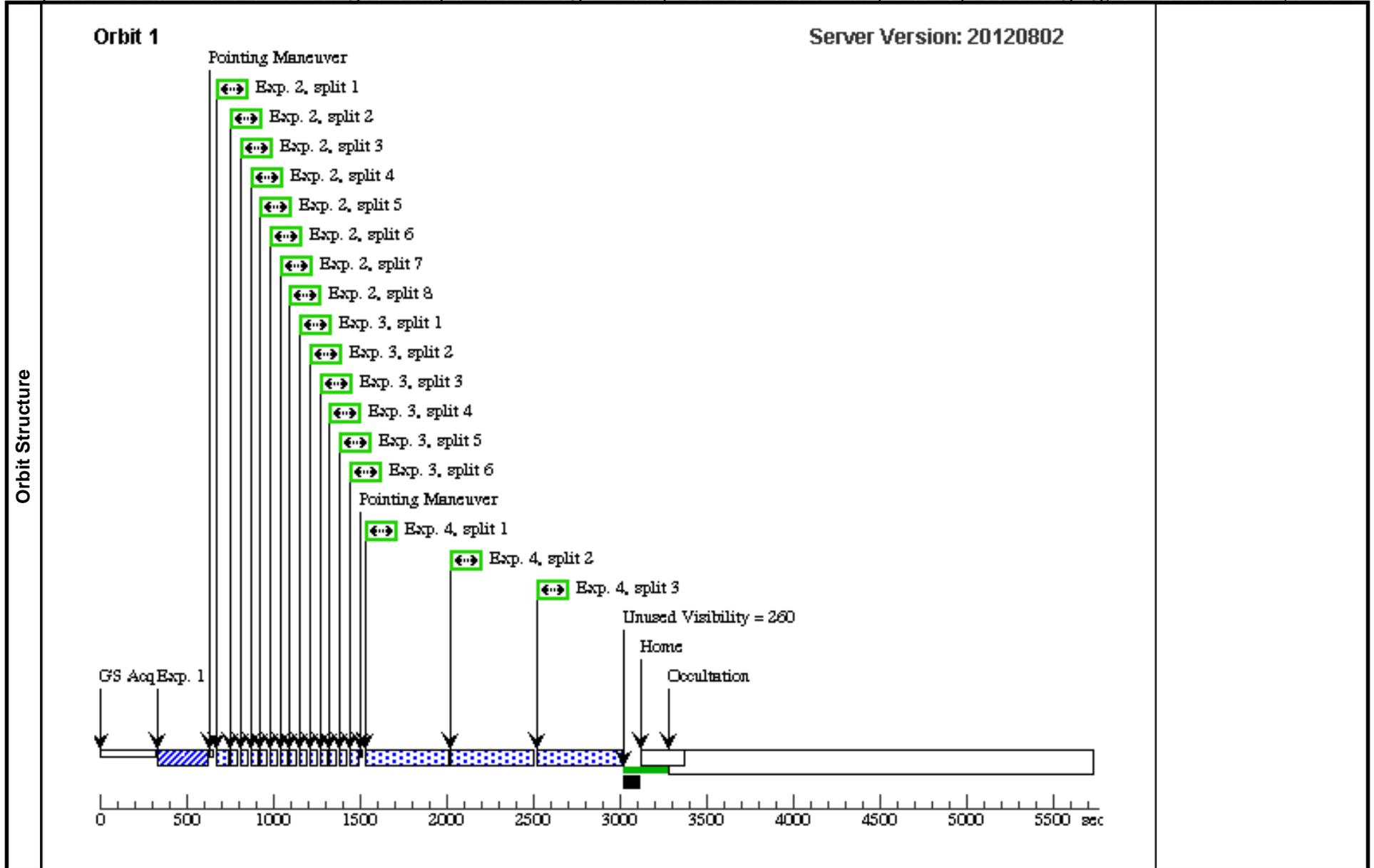
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	PDS-66_AC Q	(11) PDS-66	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		4.4 Secs [==>]	[1]	
	<i>Comments: SNR = 100, V = 10.35, sp = KIV. Exptime rounded to nearest 0.1 second</i>										
	2	PDS-66_FA INT	(11) PDS-66	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=7; GAIN=4			2720 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)]	[1]	
	<i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. PDS 66 is V = 10.35 so saturation in 452.6s. So 90% full well in appx 407.3s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i>										
	<i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i>										
	<i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i>										



Proposal 12228 - Visit B5 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD15745_A CQ	(8) HD15745	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD15745_S HORTS_1	(8) HD15745	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD15745_S HORTS_2	(8) HD15745	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD15745_L ONG	(8) HD15745	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1400 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5") For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures

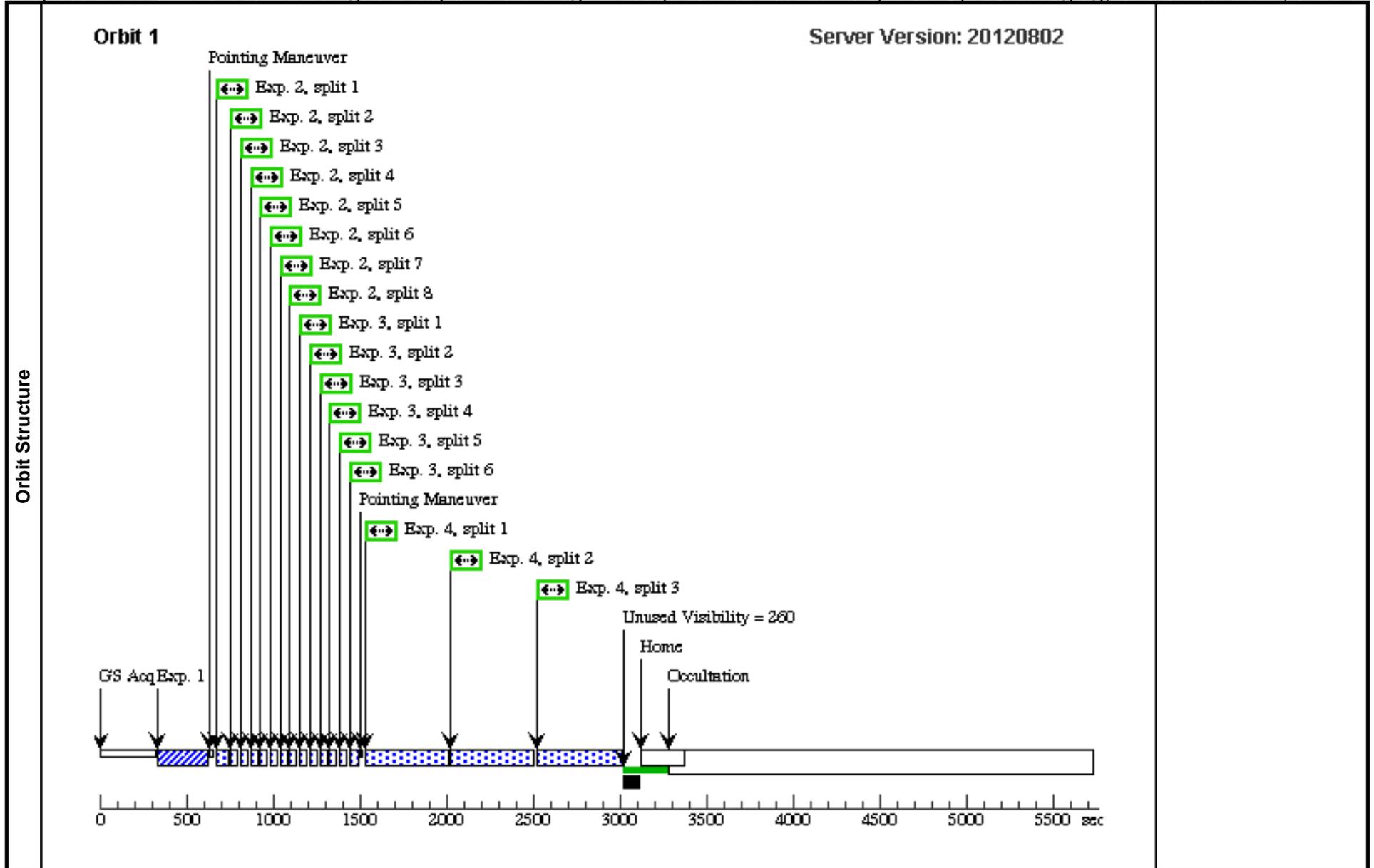


Visit	<p>Proposal 12228, Visit B6, implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 172D TO 172 D; AFTER B5 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 15745 (V=7.50, B-V = +0.32).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the second HD 15745 visit in the second set.</i></p> <p><i>The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (76) at +30 deg from Visit B5. Here we specify an allowable range of +25 to +30 deg, though as close to +30 deg as possible is preferable.</i></p> <p><i>Relative Timing: This visit (B6) should immediately follow visit B5 and immediately precede visit B7. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																		
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																													
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Proposal 12228 - Visit B6 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	HD15745_A CQ	(8) HD15745	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i></p>									
2	HD15745_S HORTS_1	(8) HD15745	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	HD15745_S HORTS_2	(8) HD15745	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. AU MIC is V = 8.61 so saturation in 50.6s. So 90% full well in appx 45.5s. Use this for the "short" exposures, repeated with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD15745_L ONG	(8) HD15745	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1400 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit B7 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

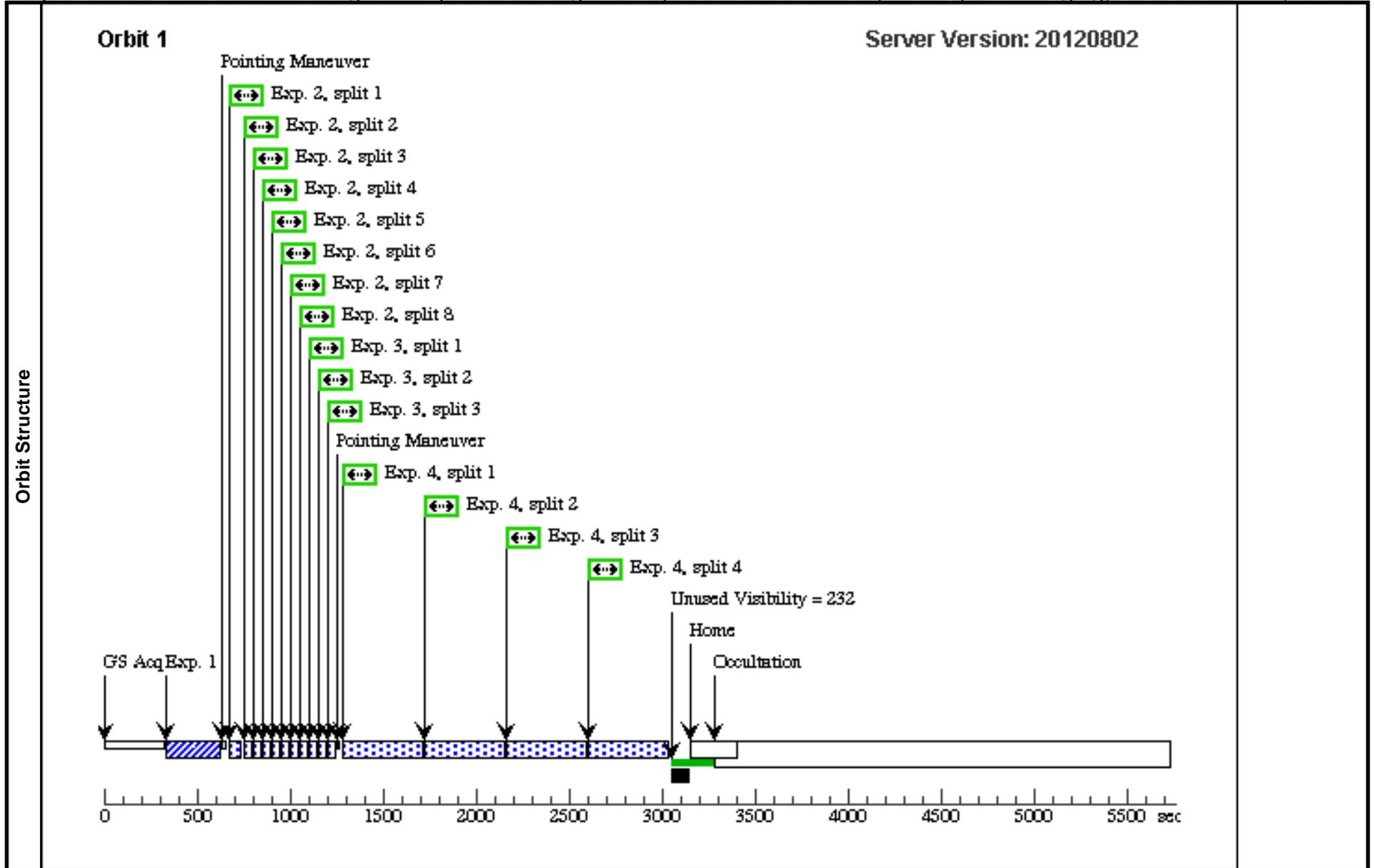
Wed Aug 22 01:38:03 GMT 2012

Visit	<p>Proposal 12228, Visit B7, implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; AFTER B6 BY 0.5 Orbits TO 1.5 Orbits</p> <p>Comments: PSF08A (HD16199). PSF calibration target for HD 15745 . V = 7.47. B - V = +0.35.</p> <p><i>This is the PSF star calibrator for the flanking visits (B5-B8). We levy no orientation constraints on this visit (B7). However, we choose this target very close in the sky to its paired science target. So as Visits B6 and B7 must be scheduled in sequential contiguous orbits, if scheduled at nominal roll (as we expect also Visit B6 will be) the we expect absolute orientations of Visits B6 and B7 to be very similar (within a few degrees). This is important so we maintain similar Sun and Beta angles for the science target and its PSF calibrator</i></p> <p><i>Relative Timing: This visit (B7) should immediately follow visit B6 and immediately precede visit B8. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																												
	<p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B7) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																												
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
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Proposal 12228 - Visit B7 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	PSF08B_A CQ	(24) PSF08B-HD157 45-HD20499	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
<p><i>Comments: SNR = 100, V = 7.27, sp = F2V, Exptime rounded to nearest 0.1 second</i></p>									
2	PSF08B_SH ORTS_1	(24) PSF08B-HD157 45-HD20499	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			221.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.27 so saturation in 30.8s. So 90% full well in appx 27.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
3	PSF08B_SH ORTS_2	(24) PSF08B-HD157 45-HD20499	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=3; GAIN=4			83.1 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.27 so saturation in 30.8s. So 90% full well in appx 27.7s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	PSF08B_LO NG	(24) PSF08B-HD157 45-HD20499	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=4; GAIN=4			1645 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. V = 7.27 so saturation in 30.8s. So 90% full well in appx 27.7</i> <i>For long exposures at WedgeA1.0 go < = 20x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

Exposures



Proposal 12228 - Visit B8 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

Wed Aug 22 01:38:12 GMT 2012

Visit	<p>Proposal 12228, Visit B8, implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/CCD</p> <p>Special Requirements: PCS MODE FINE; GUID TOL 0.005"; GYRO MODE 3GOBAD; ORIENT 199D TO 199 D; AFTER B7 BY 0.5 Orbits TO 1.5 Orbits</p> <p><i>Comments: HD 15745 (V=7.50, B-V = +0.32).</i></p> <p><i>Second of two sets of visits, each containing three visits of HD 15745 at different relative orientations with one PSF calibration observation interleaved. This is the third HD 15745 visit in the second set. The four visits within each set must be executed sequentially in contiguous orbits interrupted only for Earth occultation.</i></p> <p><i>Orientation: We wish to schedule this visit (B8) at +60 deg from Visit B5. We specify this exactly, and would relax this relative orientation requirement only if a suitable guide stars cannot be found. Here we specify an allowable range of +25 to +30 deg, though as close to +30 deg as possible is preferable.</i></p> <p><i>Relative Timing: This visit (B8) should immediately follow Visit B7. I.e., They should be executed sequentially in "back-to-back" orbits.</i></p>																																			
	<p>(Visit B8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B8) Warning (Orbit Planner): STIS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p> <p>(Visit B8) Warning (Orbit Planner): SUBARRAY OFF OF DETECTOR</p>																																			
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Proposal 12228 - Visit B8 - Probing for Exoplanets Hiding in Dusty Debris Disks: Inner (<10 AU) Disk Imaging, Characterization, and E...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HD15745_A (8) HD15745 CQ	STIS/CCD, ACQ, F25ND3	MIRROR		GS ACQ SCENARI O BASE1B3		0.4 Secs [==>]	[1]
	<i>Comments: SNR = 100, V = 7.50, sp = F2V, Exptime rounded to nearest 0.1 second</i>								
	2	HD15745_S (8) HD15745 HORTS_1	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=8; GAIN=4			273.6 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)] [==>(Split 7)] [==>(Split 8)]	[1]
	<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>								
3	HD15745_S (8) HD15745 HORTS_2	STIS/CCD, ACCUM, WEDGEA0.6	MIRROR	SIZEAXIS2=137; CR-SPLIT=6; GAIN=4			205.2 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)] [==>(Split 5)] [==>(Split 6)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. Use this for the "short" exposures, repeated (8x) with multiple CR Splits.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "short" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 137, appropriate for the WedgeA0.6 position.</i></p>									
4	HD15745_L (8) HD15745 ONG	STIS/CCD, ACCUM, WEDGEA1.0	MIRROR	SIZEAXIS2=427; CR-SPLIT=3; GAIN=4			1400 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]	
<p><i>Comments: SCALABLE BENCHMARK: We expect full-well at r=0.3" from wings of stellar PSF in 1 second for V=3.55. HD 15745 is V = 7.50 so saturation in 38.0s. So 90% full well in appx 34.2s. For long exposures at WedgeA1.0 go > 10x deeper in each that will fit into remainder of visibility period CR-SPLIT at least 3 times - and trim exposure time to fit in visibility window.</i></p> <p><i>SCALABLE PARAMETER FOR SUB-ARRAY Readout: SIZEAXIS2 = 20 is 1" in full extent (r = 0.5")</i> <i>For these "long" exposures we will image perpendicular to the wedge (symmetrically) centered on the target to the maximum extent permitted by the limits of the FOV (edge of the detector) on the "small" side of the Wedge A taper. Thus, for these short exposures we use SIZEAXIS12 = 427, appropriate for the WedgeA1.0 position.</i></p>									

