



# 10532 - Kinematics and morphology of the most massive field disk galaxies at $z > 1$

Cycle: 14, Proposal Category: GO

(Availability Mode: SUPPORTED)

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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Dr. Nicole P. Vogt (CoI)	New Mexico State University	
Mr. Michael Cooper (CoI)	University of California - Berkeley	

## VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	ANY (1) GAL-141722+523937	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:12:26.0	yes
02	ANY (2) GAL-232722+000346	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:12:35.0	yes

Proposal 10532 - Overview

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
03	ANY (3) GAL-232626+000458	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:12:43.0	yes
04	ANY (4) GAL-232539+000527	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:12:50.0	yes
05	ANY (5) GAL-232802+001638	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:12:57.0	yes
06	ANY (6) GAL-232837+001821	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:13:07.0	yes
07	(7) GAL-233210+000000	NIC2	1	16-Jun-2006 21:13:13.0	yes
08	ANY (8) GAL-233347+000532	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:13:20.0	yes
09	ANY (9) GAL-233138+000911	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:13:27.0	yes
0A	(10) GAL-022635+002641 ANY	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:13:34.0	yes
0B	ANY (11) GAL-022832+003141	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:13:41.0	yes

Proposal 10532 - Overview

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
0C	(12) GAL-023031+002317	NIC2	1	16-Jun-2006 21:13:47.0	yes
0D	ANY (13) GAL-022936+002507	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:13:56.0	yes
0E	ANY (14) GAL-023057+002943	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:14:04.0	yes
0F	ANY (15) GAL-022835+003448	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:14:11.0	yes
56	ANY (6) GAL-232837+001821	ACS/WFC NIC2 WFPC2	1	16-Jun-2006 21:14:19.0	yes

16 Total Orbits Used

**ABSTRACT**

We propose to obtain 1 orbit NIC-2 images of a sample of the 15 most massive galaxies found at  $1 < z < 1.3$ . These were culled from over 20,000 Keck spectra collected as part of DEEP and are unique among high redshift massive galaxy samples in being kinematically selected. We intend to test whether these potentially very young galaxies are likely precursors to massive local disks, assuming no further merging. NIC-2 images provide rest-frame optical morphologies that will show whether they are normal disk systems or instead more disturbed looking objects with

## Proposal 10532 - Overview

multiple subcomponents, mergers, peculiar structure, etc. NIC-2 provides near-IR resolutions sufficient to enable measurements of bulges and disks subcomponents. The near-IR will fill a critical gap in the broad-band SED photometry of the galaxy and its subcomponents to estimate mean stellar ages and stellar masses and to assess whether old stellar bulges and disks are in place at that time. Finally, this sample will yield the first statistically significant results on the  $z > 1$  evolution of the Tully-Fisher relation for massive galaxies.

In addition, we propose parallel observations with ACS WFC (V and I bands) and WFPC2 (I-band). These will target up to 700 galaxies at redshifts 0.7 ... 1.2 for which the DEEP2 survey has obtained precision redshifts and high-resolution kinematic data. The added HST morphology and color information will allow a variety of detailed studies on dynamical, structural, and photometric evolution of galaxies.

### **OBSERVING DESCRIPTION**

#### 1) Overview:

This project aims at high-resolution NICMOS 2 H-band imaging of spectroscopically selected massive disk galaxy candidates at redshifts  $>1$ . The images will provide rest-frame R- to I-band morphologies (disk sizes, inclinations, bulge-to-disk ratios, surface brightnesses), and allow to identify regularized disks vs disturbed/merging objects and to correct rotation curves for seeing and inclination. The detailed kinematics and rest-frame morphologies make it possible to

## Proposal 10532 - Overview

directly compare high-redshift and local massive disks and Tully-Fisher samples, and to constrain the upper mass end of the TF relation at  $z > 1$ .

The observations are therefore designed to optimize image cosmetics on larger scales, to maximize information on extended, low surface brightness structures (high redshift disks). We ask to schedule the visits in SAA-free orbits, if this is possible without delaying the scheduling by several months.

ACS WFC and WFPC2 parallel observations provide additional morphological information for up to 1000 galaxies for which the DEEP2 redshift survey has obtained precision redshifts and high-resolution kinematics. Here we try to maximize field coverage by giving ORIENT requirements. However these ORIENTs shall be relaxed or dropped if they would require to postpone an observation beyond early 2006 that could otherwise be taken earlier.

### 2) NICMOS 2 observations:

A sample of 15 candidate massive disks shall be observed with NICMOS 2 in the F160W (minimum background) filter, one orbit per object. Each orbit is split into 4 dithered pointings (see 'Dither pattern' below); the instrument shall observe in MULTIACCUM mode to control cosmic ray removal, with a SPARS64 readout sequence.

### 3) Dither pattern:

We choose to dither the objects on all 4 quadrants of NICMOS2, aiming at averaging larger-scale residuals from shading and flatfield inaccuracies, and avoiding the problematic column 128, as well as problems at quadrant limits that may arise from the pedestal effect.

The dither positions are not on the quadrant centers, but displaced from the latter towards the detector center, to ensure that the targets are fully on the detector, even for coordinate uncertainties of 1.5 arcsec and unexpectedly large galaxy sizes. The positions are not symmetric with respect to the quadrant centers, to allow removal of quadrant-symmetric electronic artifacts such as electronic bars. The coronagraphic hole is avoided.

This asymmetric pattern is realized not through pre-defined patterns, but through 4 individual exposures in one orbit, with POS-TARG special requirements. This also allows to use different filters for the ACS parallels (see below).

The dither steps are adjusted to provide half-pixel subpixel dithering in x and y; these adjustments take the geometric distortion of NICMOS2 into account, i.e. sub-sample physical pixels.

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### 4) Parallel observations:

WFPC2 parallels are scheduled in the F814W filter for all 4 dither pointings, to provide reliable cosmic ray rejection. The ACS WFC provides better cosmic ray discrimination, so these parallels shall be observed in two filters at two dither pointings each, the F606W filter at dither positions 1 and 2, and in the F814W filter at positions 3 and 4. At minimum loss in total depth with respect to the F814W filter in all 4 pointings, this provides very valuable spatially resolved color information. The dither pattern will bridge the ACS detector gap.

### 5) South Atlantic Anomaly:

If at all possible, our pointings should be scheduled in SAA-free orbits. Post-SAA darks cannot fully remove the enhanced pixel-to-pixel noise present after SAA passages. Even more important, treatment of SAA effects involves additional treatments of the pedestal etc., likely to leave low surface brightness residuals on larger scales. These are very problematic for extended low surface brightness structures we want to analyze.

If however scheduling in SAA-free orbits proves impossible, or will delay scheduling of a visit by several months, this requirement can be relaxed, best to low-SAA-impact passages.

6) ORIENTS, Schedulability:

The ORIENT special requirements specified for each visit put both the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would delay an observation beyond early 2006 that could otherwise be taken earlier, we ask you to relax the ORIENT to the range which would still put ACS into the DEEP2 field, given in the comment field of each visit where available. If this does not resolve the delay, please drop the ORIENT requirement completely.

The requirement of SAA-free orbits is of higher priority than the ORIENT requirements. If ORIENT needs to be dropped for an orbit in order to schedule it SAA-free, please do so.

7) Object fluxes, integration times:

We have ground-based BRI, yet no NIR fluxes for the objects we propose to observe. We used these fluxes and DEEP2 redshifts to derive rest-frame colors, which made it possible to choose galaxy template spectra for the NICMOS ETC. Rather than in an integral source detection, we are interested in S/N per pixel at those limiting surface brightnesses we need to reach to study the disk structure to

## Proposal 10532 - Overview

the turnover point of the rotation curve (approx. 24 rest frame B mag arcsec<sup>-2</sup>, corresponding to 25.5 observed I mag arcsec<sup>-2</sup> at the sample redshift). We also used NICMOS2 data previously observed by one of the CoIs of this proposal (N. Vogt) to confirm exposure time needs.

### 8) Two-band NICMOS imaging where parallels outside DEEP fields:

Schedulability limits for visits 07 and 0C do not allow to place parallels in our survey fields. For these visits, the parallels were dropped. This allows more flexible orbit subdivision, and the NICMOS 2 observations are taken in 2 filters (F110W, F160W) at each of the four dither positions to obtain rest-frame color information. Total sensitivity loss is small if both F110W and F160W are later co-added for overall structural analyses.

We ask you to please contact us if ORIENT constraints have to be dropped for more visits; we may then adopt the two-filter scheme for these visits, too.

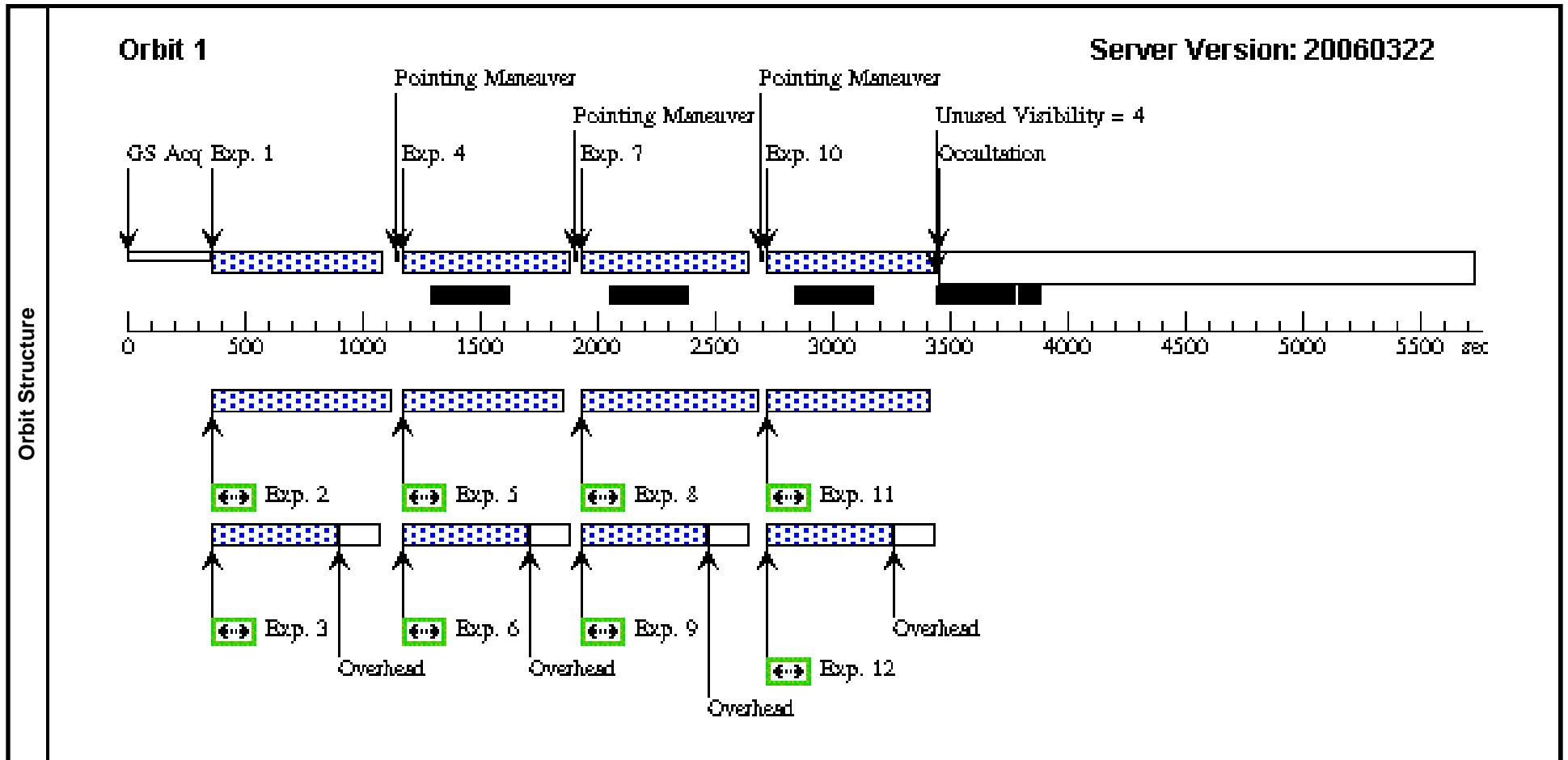
Proposal 10532 - Visit 01 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Sat Jun 17 01:14:21 GMT 2006

<b>Visit</b>	<p><b>Proposal 10532, Visit 01</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: ACS/WFC, NIC2, WFPC2</p> <p>Special Requirements: ORIENT 134.0D TO 270.0 D</p> <p><i>Comments: This is a priority target.</i></p> <p><i>The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, we ask you to relax the ORIENT range to: ORIENT 134.0D TO 306.5D, which would still put ACS into the DEEP2 field. If this still delays the observations, please drop the ORIENT requirement completely.</i></p>									
	<p>(Visit 01) Warning: GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p>									
<b>Diagnosics</b>										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord.</b>	<b>Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	GAL-141722+523937 Alt Name1: DEEP2-12021033	RA: 14 17 21.4962 (214.3395675d) Dec: +52 39 36.05 (52.66001d) Equinox: J2000 Plate Id: 003A			V=23.6 B(Vega)=24.00, R(Vega) = 23.10, I(Vega)=22.28	Coordinate Source: GSC_SURVEY_PLATE			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	DEEP2-120 21033-NIC2 -H	(1) GAL-141722+52 3937	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=13	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASEINDS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-120 21033-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	560.0 Secs [==>]	[1]
	3	DEEP2-120 21033-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-120 21033-NIC2 -H	(1) GAL-141722+52 3937	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=13	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-120 21033-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	560.0 Secs [==>]	[1]
	6	DEEP2-120 21033-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-120 21033-NIC2 -H	(1) GAL-141722+52 3937	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=13	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]

Proposal 10532 - Visit 01 - Kinematics and morphology of the most massive field disk galaxies at  $z>1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	8	DEEP2-120 21033-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO			Prime + Parallel Gro up 7-9	570.0 Secs [==>]	[1]
	9	DEEP2-120 21033-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO			Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]
	10	DEEP2-120 21033-NIC2 -H	(1) GAL-141722+52 3937	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=13	POS TARG -3.7941 322,-4.3336295		Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-120 21033-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO			Prime + Parallel Gro up 10-12	570.0 Secs [==>]	[1]
	12	DEEP2-120 21033-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO			Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



Proposal 10532 - Visit 02 - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:23 GMT 2006

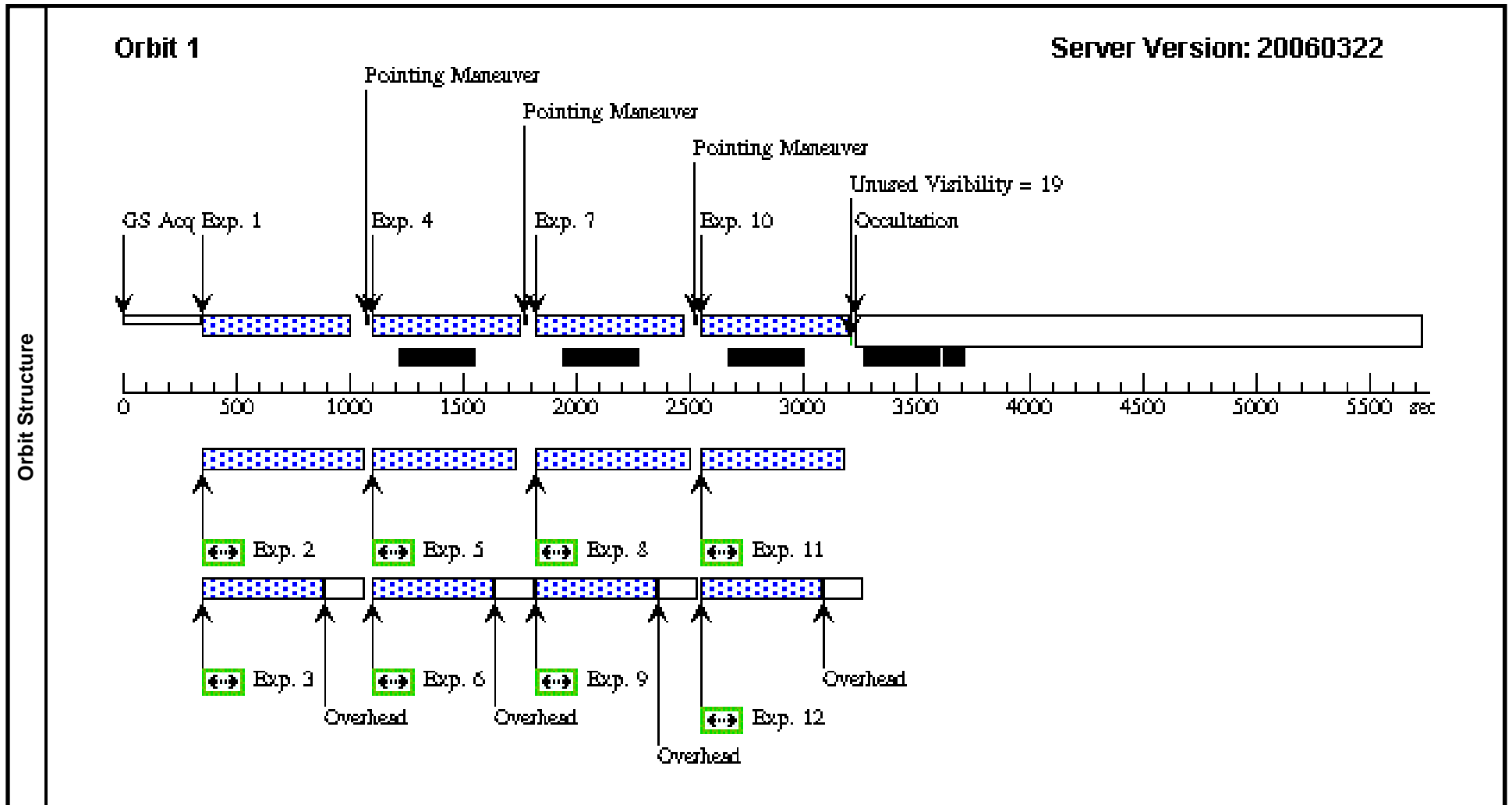
<b>Visit</b>	<b>Proposal 10532, Visit 02</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 290.0D TO 240.0 D Comments: <i>This is a priority target.</i>  The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, please drop the ORIENT requirement completely.				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GAL-232722+000346 Alt Name1: DEEP2-31019775	RA: 23 27 21.7546 (351.8406442d) Dec: +00 03 44.92 (.06248d) Equinox: J2000 Plate Id: 00JQ		V=22.4 B(Vega)=22.77, R(Vega)=22.04, I(Vega)=21.22	Coordinate Source: GSC_SURVEY_PLATE

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-310 19775-NIC2 -H	(2) GAL-232722+00 0346	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-310 19775-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-310 19775-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-310 19775-NIC2 -H	(2) GAL-232722+00 0346	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-310 19775-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-310 19775-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-310 19775-NIC2 -H	(2) GAL-232722+00 0346	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-310 19775-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-310 19775-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]

Proposal 10532 - Visit 02 - Kinematics and morphology of the most massive field disk galaxies at  $z>1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	DEEP2-310 19775-NIC2 -H	(2) GAL-232722+00 0346	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-310 19775-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-310 19775-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



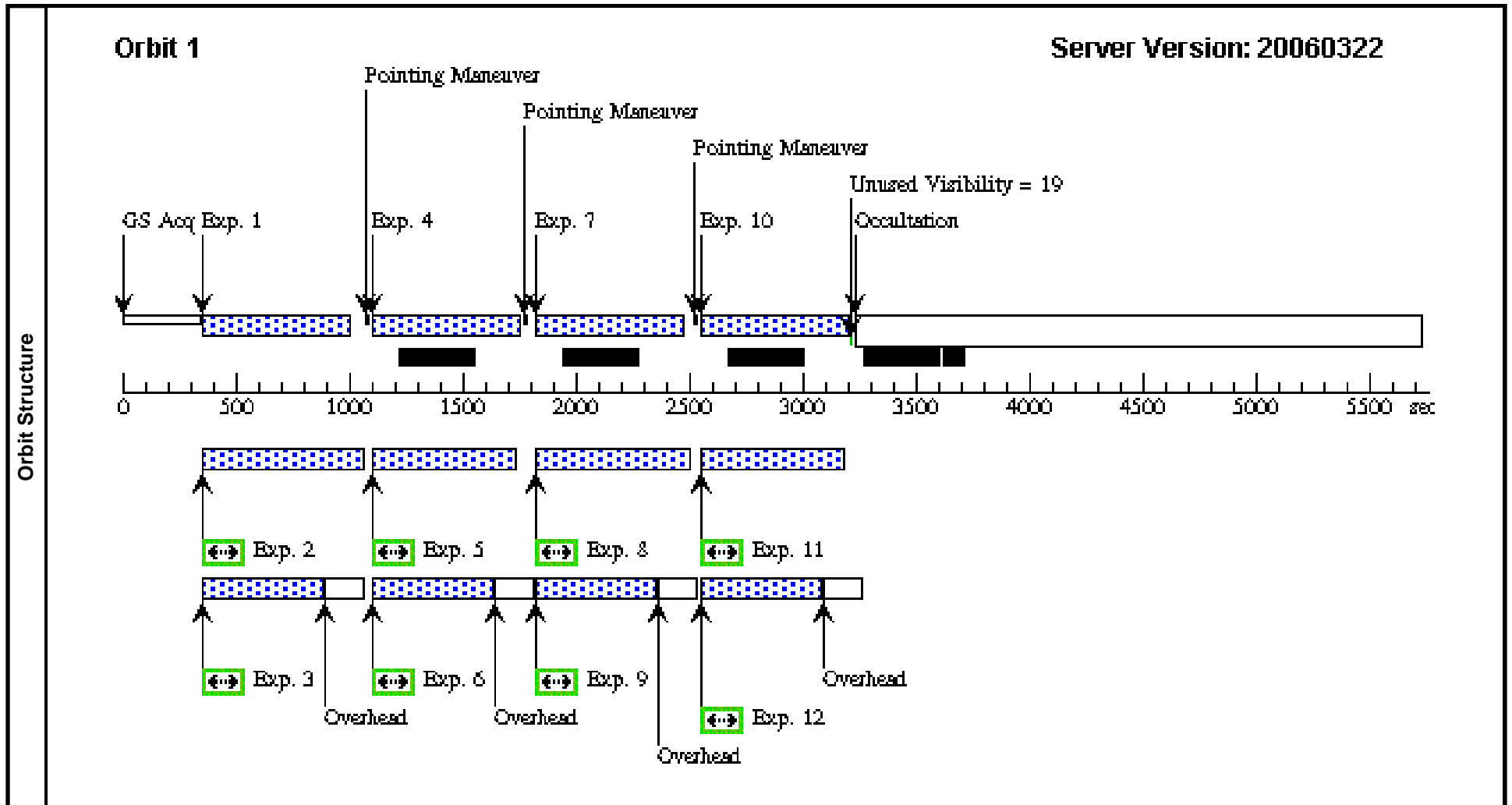
Proposal 10532 - Visit 03 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Sat Jun 17 01:14:23 GMT 2006

Visit	Proposal 10532, Visit 03									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 292.0D TO 236.0 D <i>Comments: The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payoff of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, please drop the ORIENT requirement completely.</i>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	GAL-232626+000458 Alt Name1: DEEP2-31022067	RA: 23 26 26.1494 (351.6089558d) Dec: +00 04 57.68 (.08269d) Equinox: J2000 Plate Id: 00JQ		V=23.5 B(Vega)=23.89, R(Vega)=22.95, I(Vega)=22.22	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-310 22067-NIC2 -H	(3) GAL-232626+00 0458	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-310 22067-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-310 22067-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-310 22067-NIC2 -H	(3) GAL-232626+00 0458	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-310 22067-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-310 22067-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-310 22067-NIC2 -H	(3) GAL-232626+00 0458	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-310 22067-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-310 22067-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]
10	DEEP2-310 22067-NIC2 -H	(3) GAL-232626+00 0458	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]	

Proposal 10532 - Visit 03 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	11	DEEP2-310 22067-ACS-V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 10-12	505.0 Secs [==>]	[1]
12	DEEP2-310 22067-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 10-12	400.0 Secs [==>400.0 Secs ]	[1]	



Proposal 10532 - Visit 04 - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:24 GMT 2006

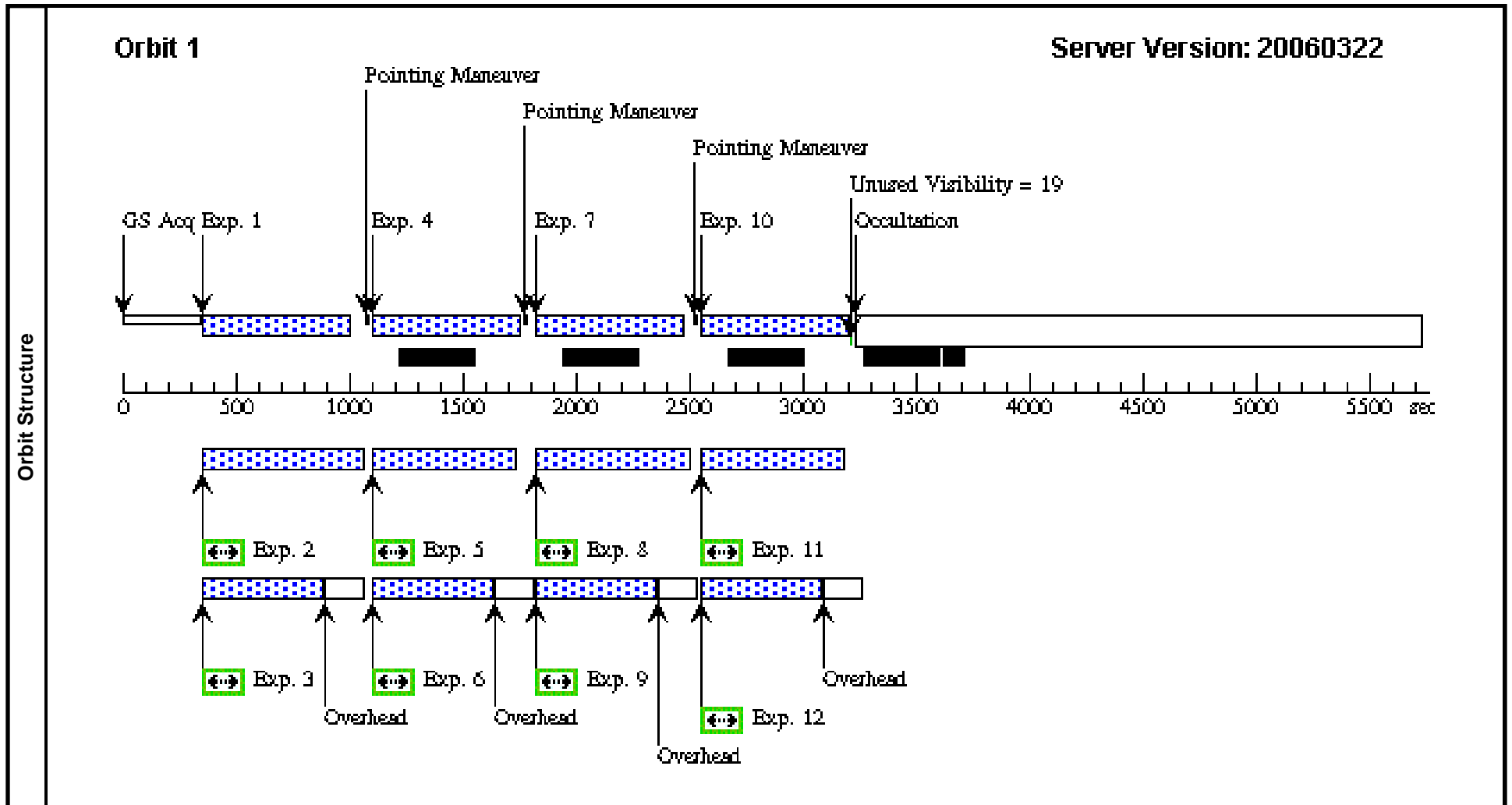
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	GAL-232539+000527 Alt Name1: DEEP2-31023355	RA: 23 25 38.6768 (351.4111533d) Dec: +00 05 26.05 (.09057d) Equinox: J2000 Plate Id: 00JQ		V=23.6 B(Vega)=24.06, R(Vega)=22.96, I(Vega)=22.02	Coordinate Source: GSC_SURVEY_PLATE

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-310 23355-NIC2 -H	(4) GAL-232539+00 0527	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-310 23355-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-310 23355-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-310 23355-NIC2 -H	(4) GAL-232539+00 0527	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-310 23355-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-310 23355-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-310 23355-NIC2 -H	(4) GAL-232539+00 0527	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-310 23355-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-310 23355-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]

Proposal 10532 - Visit 04 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	DEEP2-310 23355-NIC2 -H	(4) GAL-232539+00 0527	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-310 23355-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-310 23355-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



Proposal 10532 - Visit 05 - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:25 GMT 2006

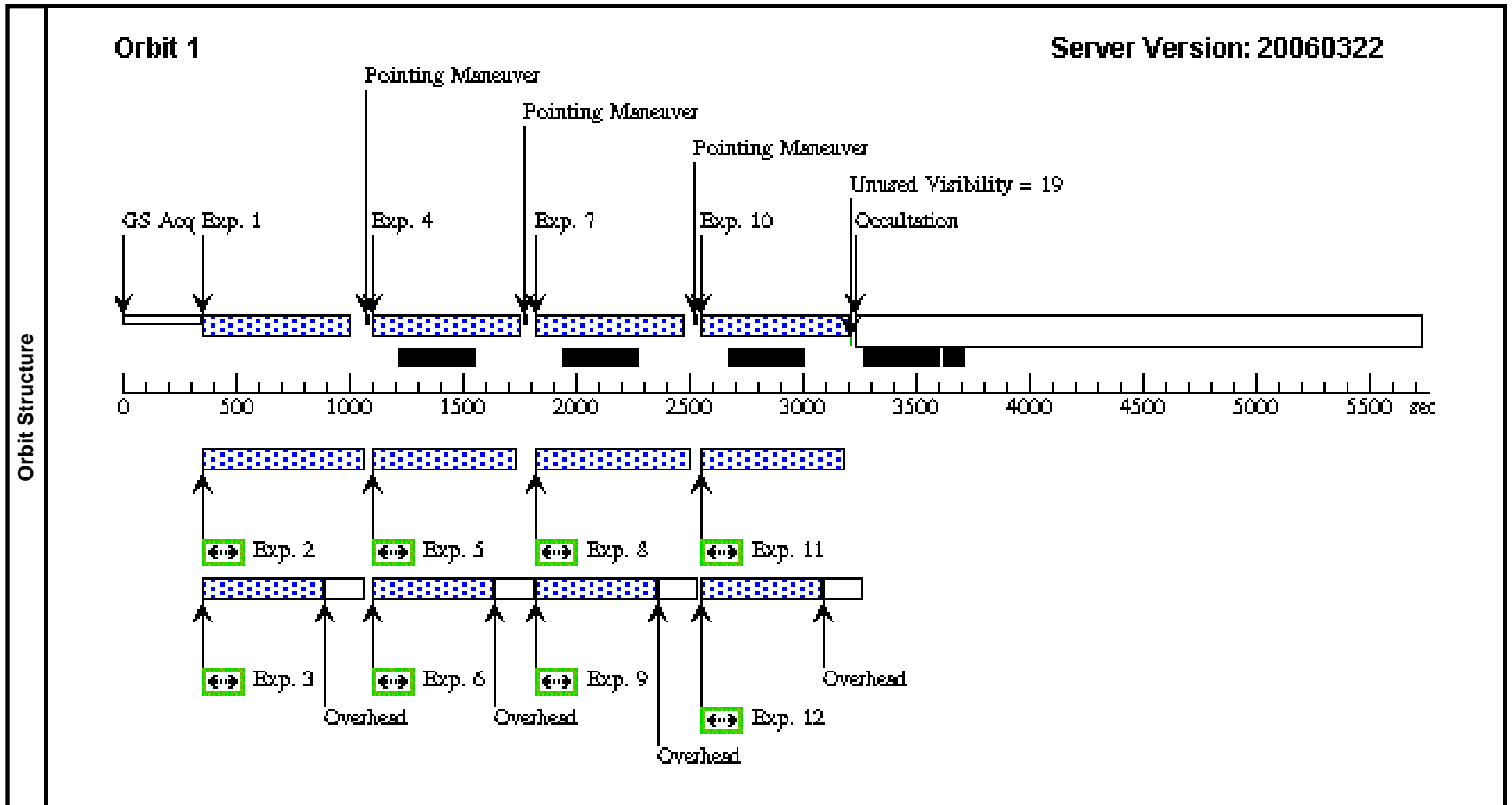
<b>Visit</b>	<b>Proposal 10532, Visit 05</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 249.0D TO 351.0 D; ORIENT 136.0D TO 185.0 D <i>Comments: The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, we ask you to relax the ORIENT requirement to: ORIENT 136.0D TO 9.5D, which would still put ACS into the DEEP2 field. If this still delays the observations, please drop the ORIENT requirement completely.</i>				
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<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
(5)	GAL-232802+001638 Alt Name1: DEEP2-31037720	RA: 23 28 2.2961 (352.0095671d) Dec: +00 16 36.64 (.27684d) Equinox: J2000 Plate Id: 00JQ		V=22.8 B(Vega)=23.26, R(Vega)=22.33, I(Vega)=21.53	Coordinate Source: GSC_SURVEY_PLATE	

<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	DEEP2-310 37720-NIC2 -H	(5) GAL-232802+00 1638	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-310 37720-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-310 37720-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-310 37720-NIC2 -H	(5) GAL-232802+00 1638	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-310 37720-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-310 37720-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-310 37720-NIC2 -H	(5) GAL-232802+00 1638	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-310 37720-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
9	DEEP2-310 37720-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]	

Proposal 10532 - Visit 05 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	DEEP2-310 37720-NIC2 -H	(5) GAL-232802+00 1638	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-310 37720-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-310 37720-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



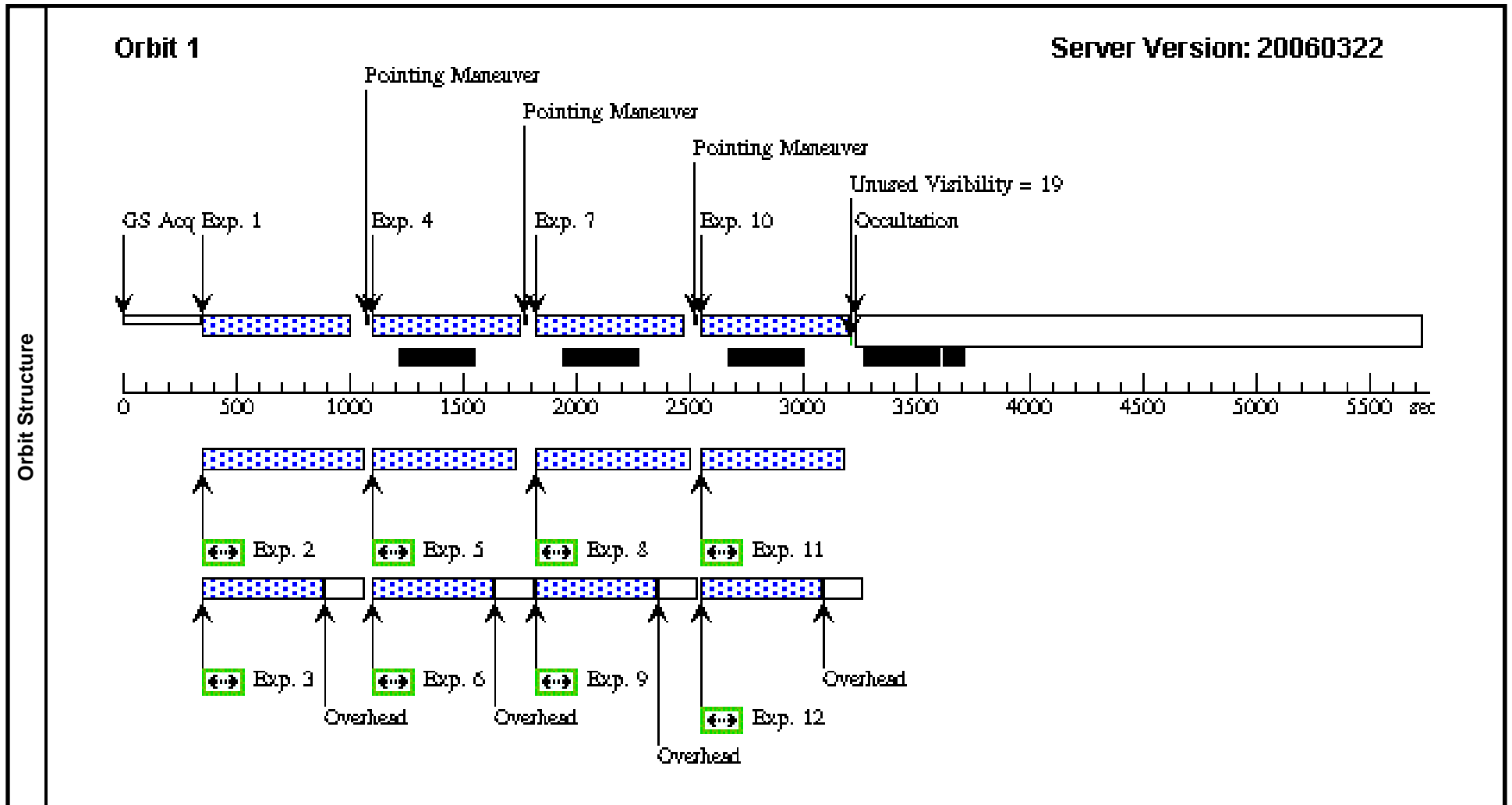
Proposal 10532 - Visit 06 - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:25 GMT 2006

Visit	Proposal 10532, Visit 06									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 132.0D TO 270.0 D; ORIENT 305.0D TO 335.0 D Comments: This is a priority target.  The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, we ask you to relax the ORIENT requirement to: ORIENT 132.0D TO 10.0D, which would still put ACS into the DEEP2 field. If this still delays the observations, please drop the ORIENT requirement completely.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	GAL-232837+001821 Alt Name1: DEEP2-32034378	RA: 23 28 37.4700 (352.1561250d) Dec: +00 18 20.34 (.30565d) Equinox: J2000 Plate Id: 00JQ		V=23.3 B(Vega)=24.13, R(Vega)=22.39, I(Vega)=21.04	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-320 34378-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-320 34378-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-320 34378-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
9	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]	

Proposal 10532 - Visit 06 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

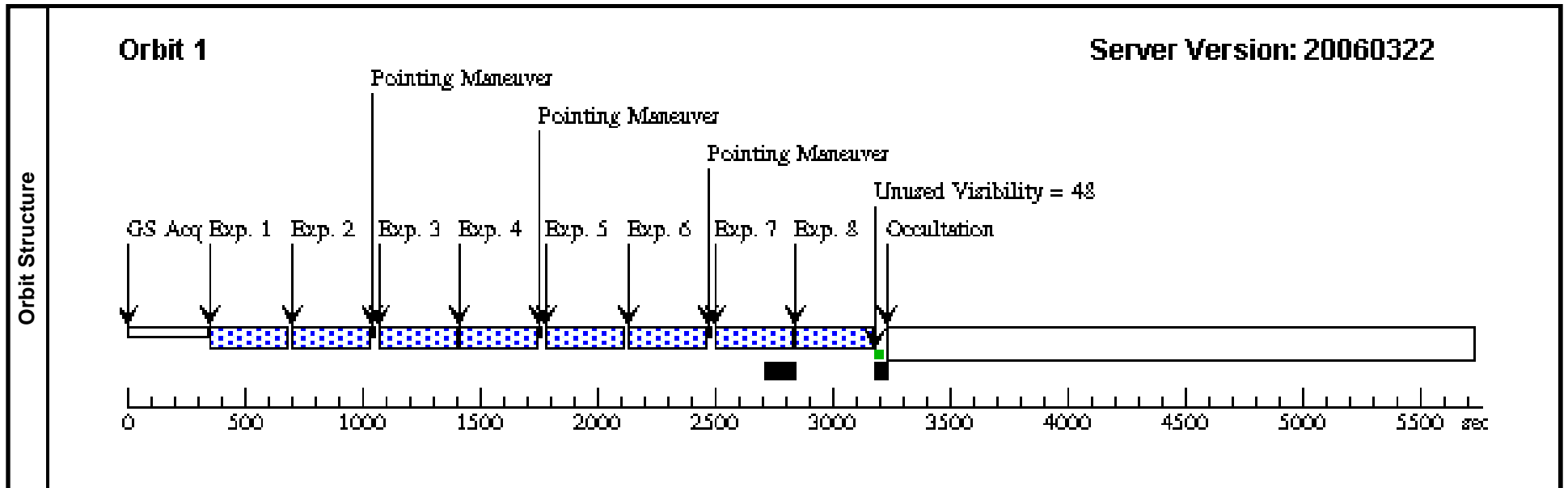
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-320 34378-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



Proposal 10532 - Visit 07 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Sat Jun 17 01:14:26 GMT 2006

Visit	Proposal 10532, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: NIC2 Special Requirements: (none) Comments: No ORIENT constraints for this visit.  See the observing description, point 8: ORIENTs for this visit do not allow to place parallels in our survey fields. Parallels were dropped and the NICMOS 2 observations are taken in 2 filters at each dither position.									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(7)	GAL-233210+000000 Alt Name1: DEEP2-33015508	RA: 23 32 10.1986 (353.0424942d) Dec: -00 00 1.28 (-.00036d) Equinox: J2000 Plate Id: 00JQ		V=23.7 B(Vega)=24.12, R(Vega)=23.11, I(Vega)=22.06	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-330 15508-NIC2 -J	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -4.3262 13,3.087596; GS ACQ SCENARI O BASE1TNS	Sequence 1-8 Non-Int	[==>]	[1]
	2	DEEP2-330 15508-NIC2 -H	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -4.3262 13,3.087596	Sequence 1-8 Non-Int	[==>]	[1]
	3	DEEP2-330 15508-NIC2 -H	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 3.83866 08,4.2967634	Sequence 1-8 Non-Int	[==>]	[1]
	4	DEEP2-330 15508-NIC2 -J	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 3.83866 08,4.2967634	Sequence 1-8 Non-Int	[==>]	[1]
	5	DEEP2-330 15508-NIC2 -J	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 4.29409, -3.8049321	Sequence 1-8 Non-Int	[==>]	[1]
	6	DEEP2-330 15508-NIC2 -H	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 4.29409, -3.8049321	Sequence 1-8 Non-Int	[==>]	[1]
	7	DEEP2-330 15508-NIC2 -H	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Sequence 1-8 Non-Int	[==>]	[1]
8	DEEP2-330 15508-NIC2 -J	(7) GAL-233210+00 0000	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Sequence 1-8 Non-Int	[==>]	[1]	



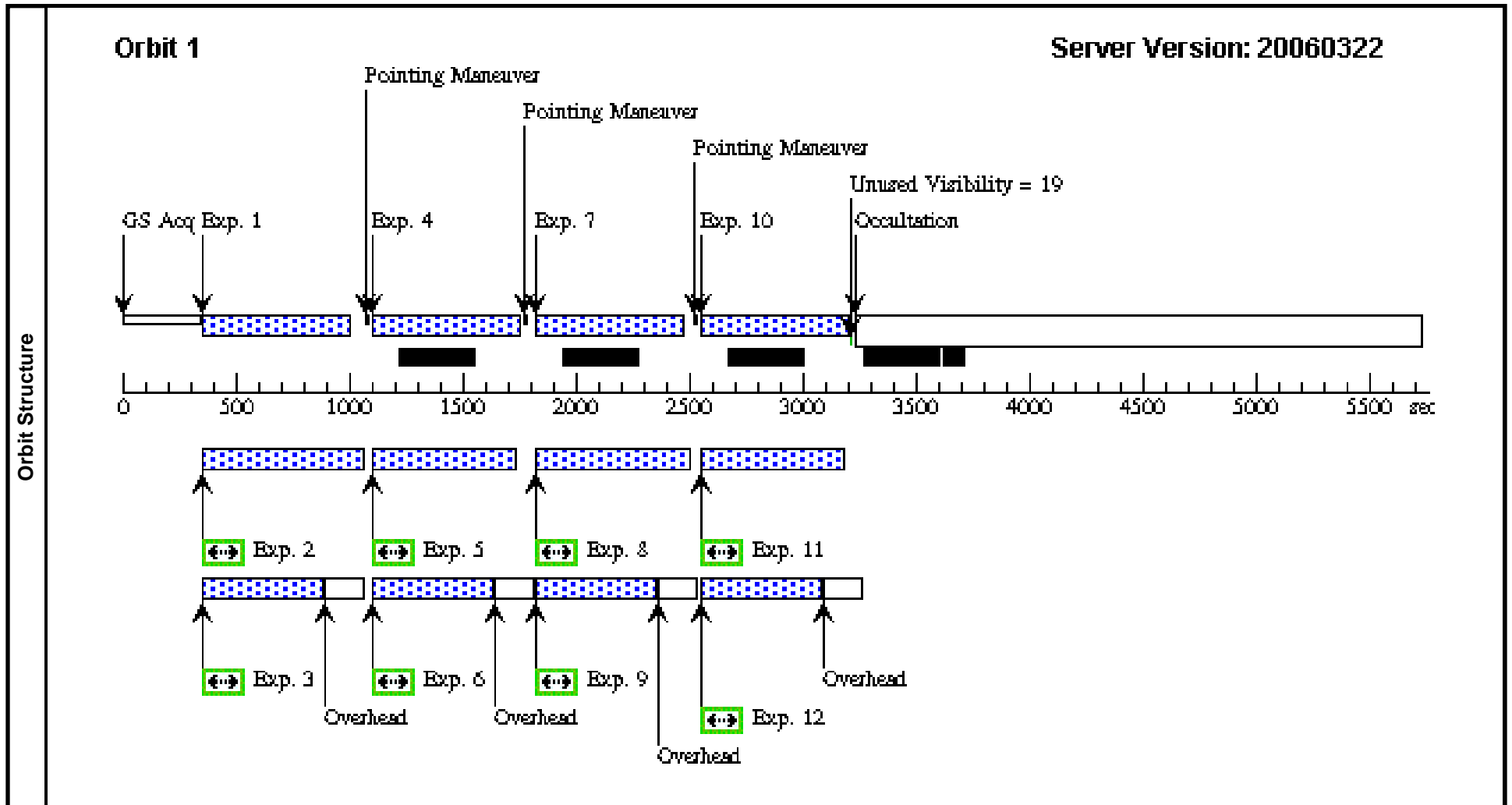
Proposal 10532 - Visit 08 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Sat Jun 17 01:14:26 GMT 2006

Visit	Proposal 10532, Visit 08									
	Diagnostic Status: No Diagnostics									
Fixed Targets	Scientific Instruments: ACS/WFC, NIC2, WFPC2									
	Special Requirements: ORIENT 257.0D TO 133.0 D									
Comments: The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payoff of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, please drop the ORIENT requirement completely.										
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
(8)	GAL-233347+000532 Alt Name1: DEEP2-33018699	RA: 23 33 47.2525 (353.4468854d) Dec: +00 05 30.51 (.09181d) Equinox: J2000 Plate Id: 02JI		V=23.5 B(Vega)=23.84, R(Vega)=23.07, I(Vega)=22.15	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-330-18699-NIC2-H	(8) GAL-233347+00 0532	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Group 1-3	[==>]	[1]
	2	DEEP2-330-18699-ACS-I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Group 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-330-18699-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-330-18699-NIC2-H	(8) GAL-233347+00 0532	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Group 4-6	[==>]	[1]
	5	DEEP2-330-18699-ACS-I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Group 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-330-18699-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-330-18699-NIC2-H	(8) GAL-233347+00 0532	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Group 7-9	[==>]	[1]
	8	DEEP2-330-18699-ACS-V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-330-18699-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 7-9	400.0 Secs [==>400.0 Secs ]	[1]
10	DEEP2-330-18699-NIC2-H	(8) GAL-233347+00 0532	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Group 10-12	[==>]	[1]	

Proposal 10532 - Visit 08 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	11	DEEP2-330 18699-ACS-V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 10-12	505.0 Secs [==>]	[1]
12	DEEP2-330 18699-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 10-12	400.0 Secs [==>400.0 Secs ]	[1]	



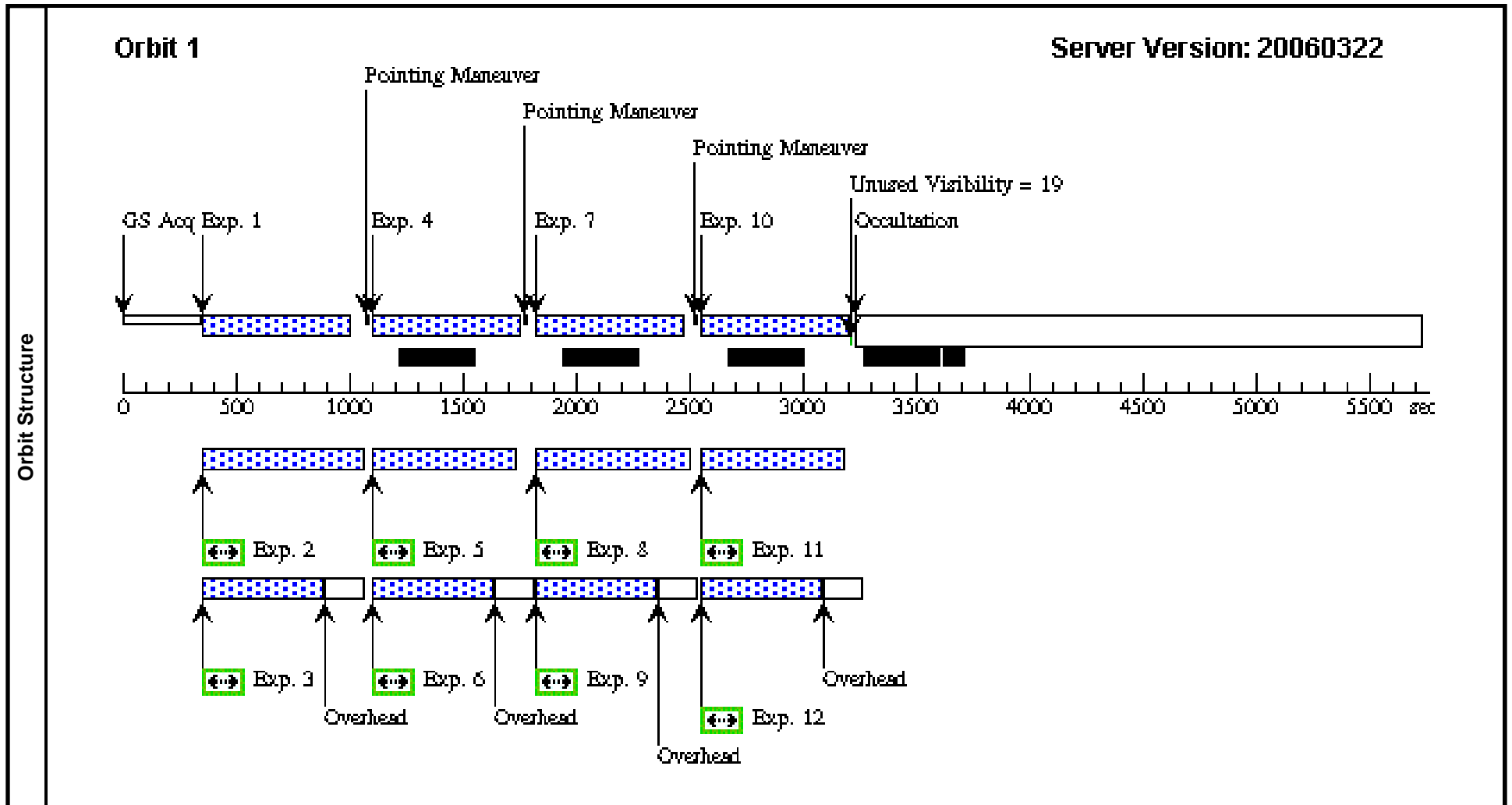
Proposal 10532 - Visit 09 - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:28 GMT 2006

Visit	Proposal 10532, Visit 09									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 336.0D TO 24.0 D; ORIENT 93.0D TO 248.0 D <i>Comments: The given ORIENT range puts the ACS WFC parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, please drop the ORIENT requirement completely. Note: these are relaxed ORIENTS; more stringent ORIENTs had not allowed scheduling of this visit.</i>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	GAL-233138+000911 Alt Name1: DEEP2-33029038	RA: 23 31 38.0672 (352.9086133d) Dec: +00 09 9.19 (.15255d) Equinox: J2000 Plate Id: 00JQ		V=23.54 B(Vega)=24.19, R(Vega)=22.89, I(Vega)=22.07	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-330 29038-NIC2 -H	(9) GAL-233138+00 0911	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-330 29038-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-330 29038-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-330 29038-NIC2 -H	(9) GAL-233138+00 0911	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-330 29038-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-330 29038-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-330 29038-NIC2 -H	(9) GAL-233138+00 0911	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-330 29038-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
9	DEEP2-330 29038-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]	

Proposal 10532 - Visit 09 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	DEEP2-330 29038-NIC2 -H	(9) GAL-233138+00 0911	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-330 29038-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2--WF PC2-1	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



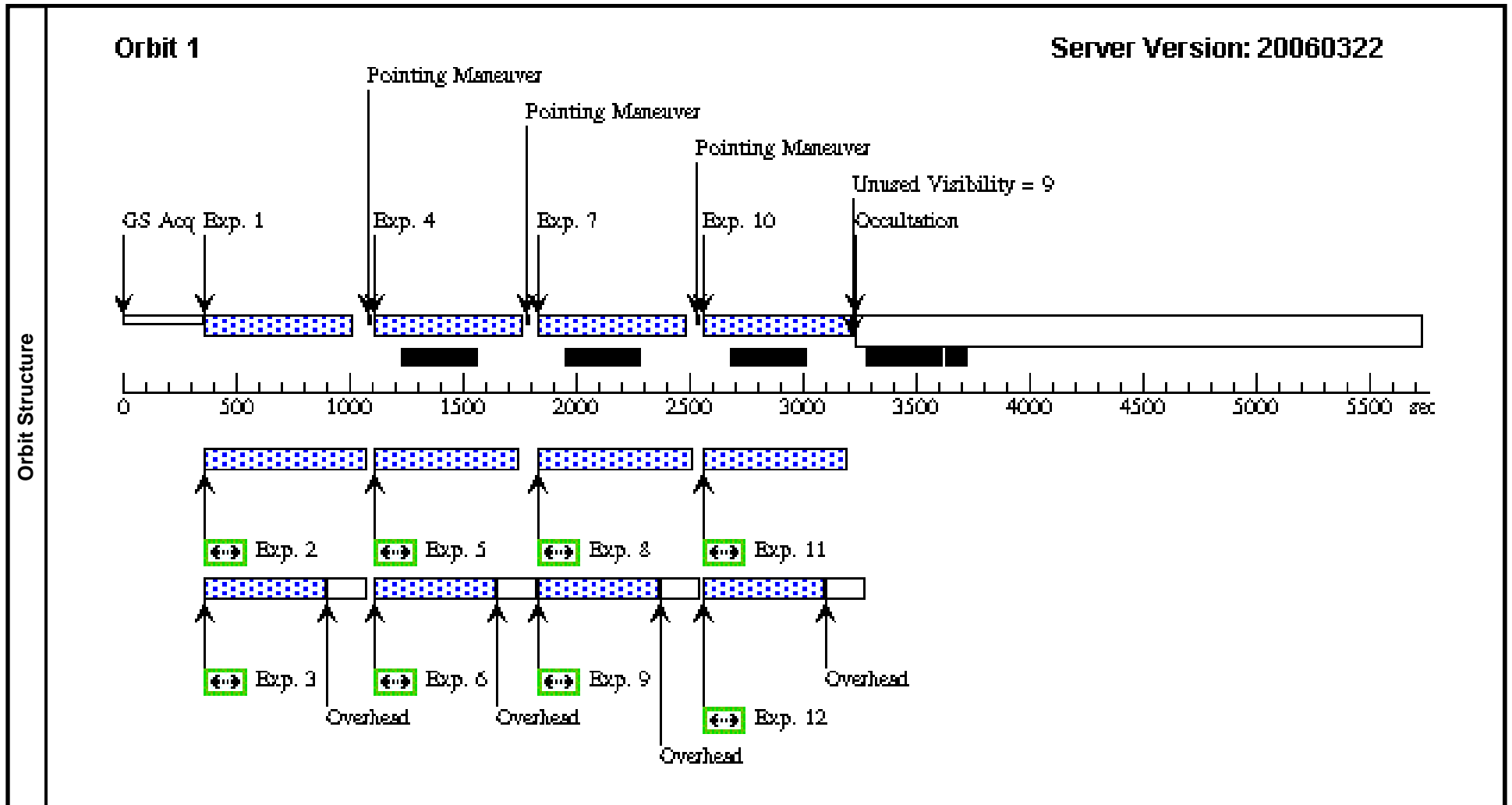
Proposal 10532 - Visit 0A - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:28 GMT 2006

<b>Visit</b>	<b>Proposal 10532, Visit 0A</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 35.0D TO 51.0 D; ORIENT 97.0D TO 174.5 D <i>Comments: The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payoff of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, please drop the ORIENT requirement completely.</i>									
	<b>Diagnosics</b> (Visit 0A) Warning: GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(10)	GAL-022635+002641 Alt Name1: DEEP2-41017497	RA: 02 26 34.7701 (36.6448754d) Dec: +00 26 39.97 (.44444d) Equinox: J2000 Plate Id: 023B		V=23.7 B(Vega)=24.21, R(Vega)=23.11, I(Vega)=21.92	Coordinate Source: GSC_SURVEY_PLATE				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	DEEP2-410 17497-NIC2 -H	(10) GAL-022635+0 02641	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1NDS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-410 17497-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-410 17497-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-410 17497-NIC2 -H	(10) GAL-022635+0 02641	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-410 17497-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-410 17497-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-410 17497-NIC2 -H	(10) GAL-022635+0 02641	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
8	DEEP2-410 17497-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]	

Proposal 10532 - Visit 0A - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	9	DEEP2-410 17497-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 7-9	400.0 Secs [==>400.0 Secs ]	[1]
	10	DEEP2-410 17497-NIC2 -H	(10) GAL-022635+0 02641	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Group 10-12	[==>]	[1]
	11	DEEP2-410 17497-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-410 17497-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 10-12	400.0 Secs [==>400.0 Secs ]	[1]



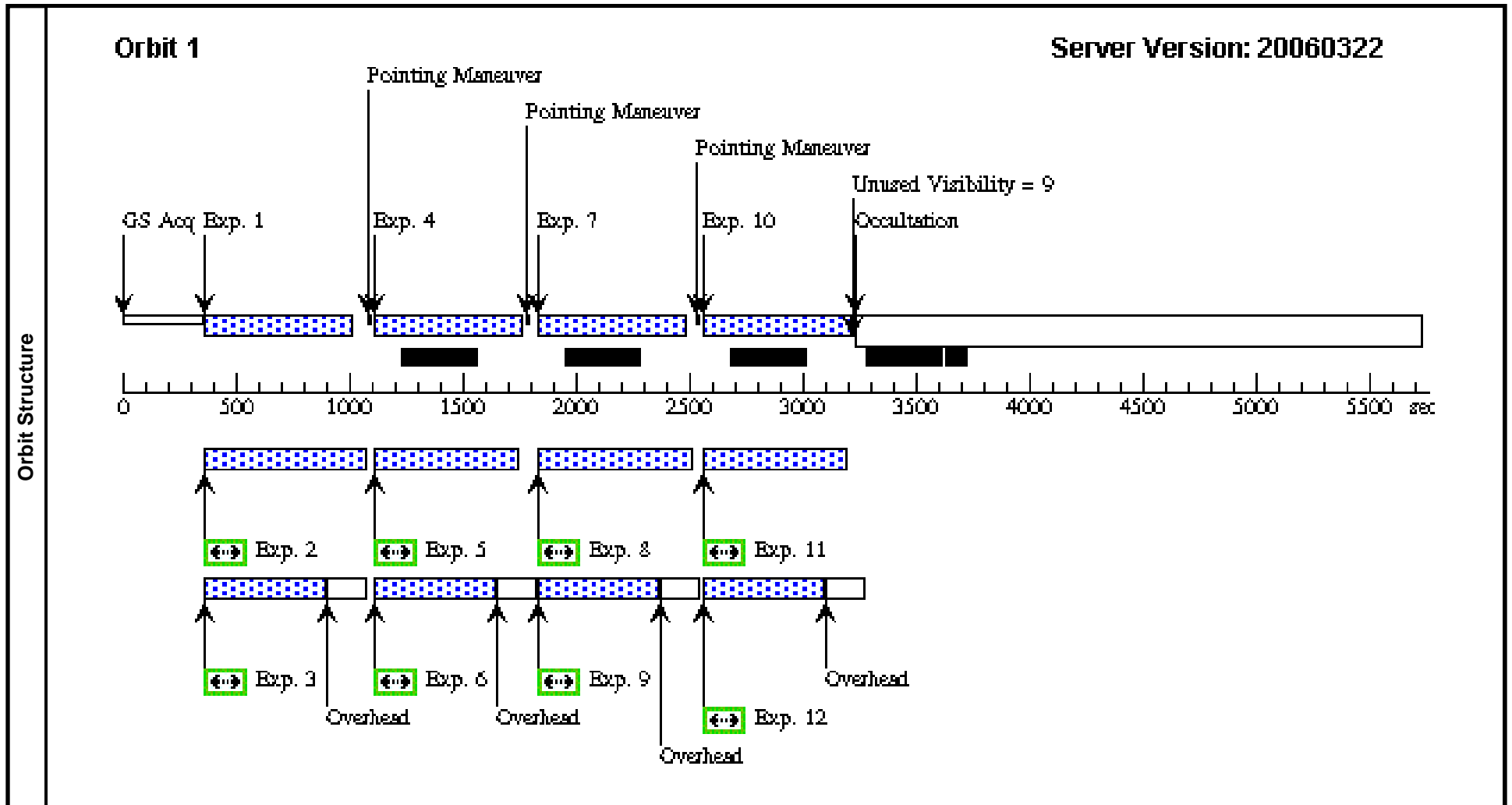
Proposal 10532 - Visit 0B - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:29 GMT 2006

<b>Visit</b>	<b>Proposal 10532, Visit 0B</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 290.5D TO 236.5 D Comments: <i>This is a priority target.</i>  <i>The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, please drop the ORIENT requirement completely.</i>									
	<b>Diagnosics</b>									
(Visit 0B) Warning: GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(11)	GAL-022832+003141 Alt Name1: DEEP2-41019405	RA: 02 28 31.6527 (37.1318862d) Dec: +00 31 39.59 (.52766d) Equinox: J2000 Plate Id: 023B		V=22.4 B(Vega)=22.95, R(Vega)=21.69, I(Vega)=20.62	Coordinate Source: GSC_SURVEY_PLATE				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	DEEP2-410 19405-NIC2 -H	(11) GAL-022832+0 03141	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1NDS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-410 19405-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-410 19405-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-410 19405-NIC2 -H	(11) GAL-022832+0 03141	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-410 19405-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-410 19405-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-410 19405-NIC2 -H	(11) GAL-022832+0 03141	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]

Proposal 10532 - Visit 0B - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

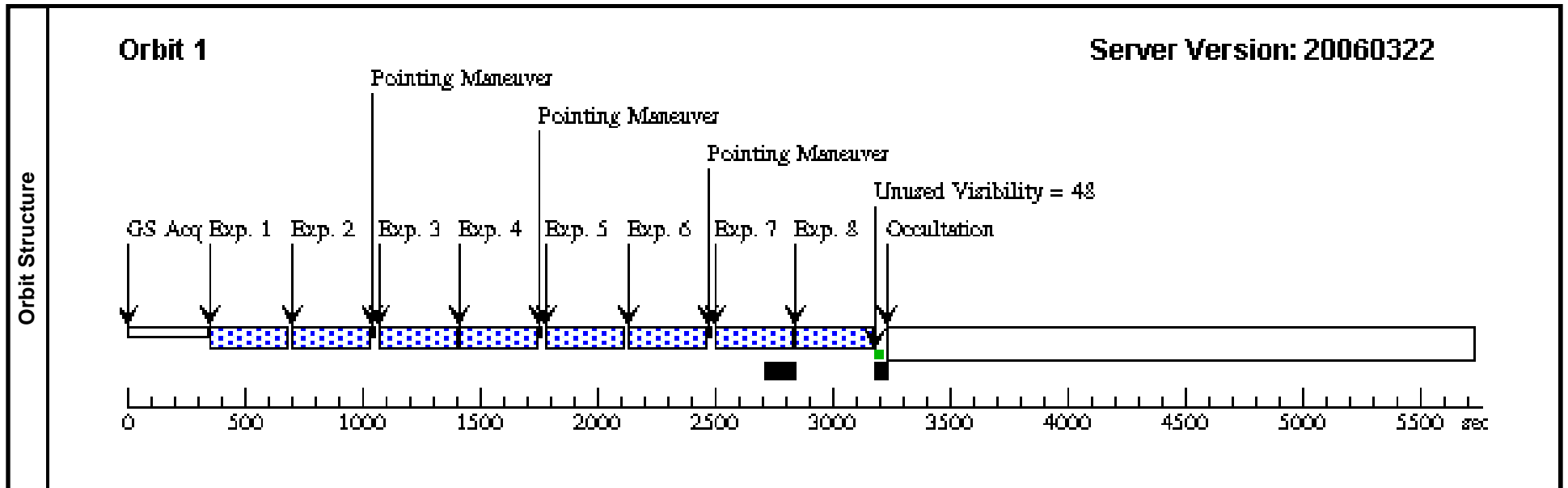
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	8	DEEP2-410 19405-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-410 19405-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]
	10	DEEP2-410 19405-NIC2 -H	(11) GAL-022832+0 03141	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-410 19405-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-410 19405-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



Proposal 10532 - Visit 0C - Kinematics and morphology of the most massive field disk galaxies at  $z>1$

Sat Jun 17 01:14:29 GMT 2006

Visit	Proposal 10532, Visit 0C Diagnostic Status: No Diagnostics Scientific Instruments: NIC2 Special Requirements: (none) Comments: No ORIENT constraints for this visit. See the observing description, point 8: ORIENTs for this visit do not allow to place parallels in our survey fields. Parallels were dropped and the NICMOS 2 observations are taken in 2 filters at each dither position.									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(12)	GAL-023031+002317 Alt Name1: DEEP2-42007546	RA: 02 30 31.4749 (37.6311454d) Dec: +00 23 16.48 (.38791d) Equinox: J2000 Plate Id: 023B		V=23.1 B(Vega)=23.48, R(Vega)=22.61, I(Vega)=21.58	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-420 07546-NIC2 -J	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -4.3262 13,3.087596; GS ACQ SCENARI O BASE1TNS	Sequence 1-8 Non-In t	[==>]	[1]
	2	DEEP2-420 07546-NIC2 -H	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -4.3262 13,3.087596	Sequence 1-8 Non-In t	[==>]	[1]
	3	DEEP2-420 07546-NIC2 -H	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 3.83866 08,4.2967634	Sequence 1-8 Non-In t	[==>]	[1]
	4	DEEP2-420 07546-NIC2 -J	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 3.83866 08,4.2967634	Sequence 1-8 Non-In t	[==>]	[1]
	5	DEEP2-420 07546-NIC2 -J	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 4.29409, -3.8049321	Sequence 1-8 Non-In t	[==>]	[1]
	6	DEEP2-420 07546-NIC2 -H	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG 4.29409, -3.8049321	Sequence 1-8 Non-In t	[==>]	[1]
	7	DEEP2-420 07546-NIC2 -H	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Sequence 1-8 Non-In t	[==>]	[1]
8	DEEP2-420 07546-NIC2 -J	(12) GAL-023031+0 02317	NIC2, MULTIACCUM, NIC2-FIX	F110W	SAMP-SEQ=SPARS 32; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Sequence 1-8 Non-In t	[==>]	[1]	



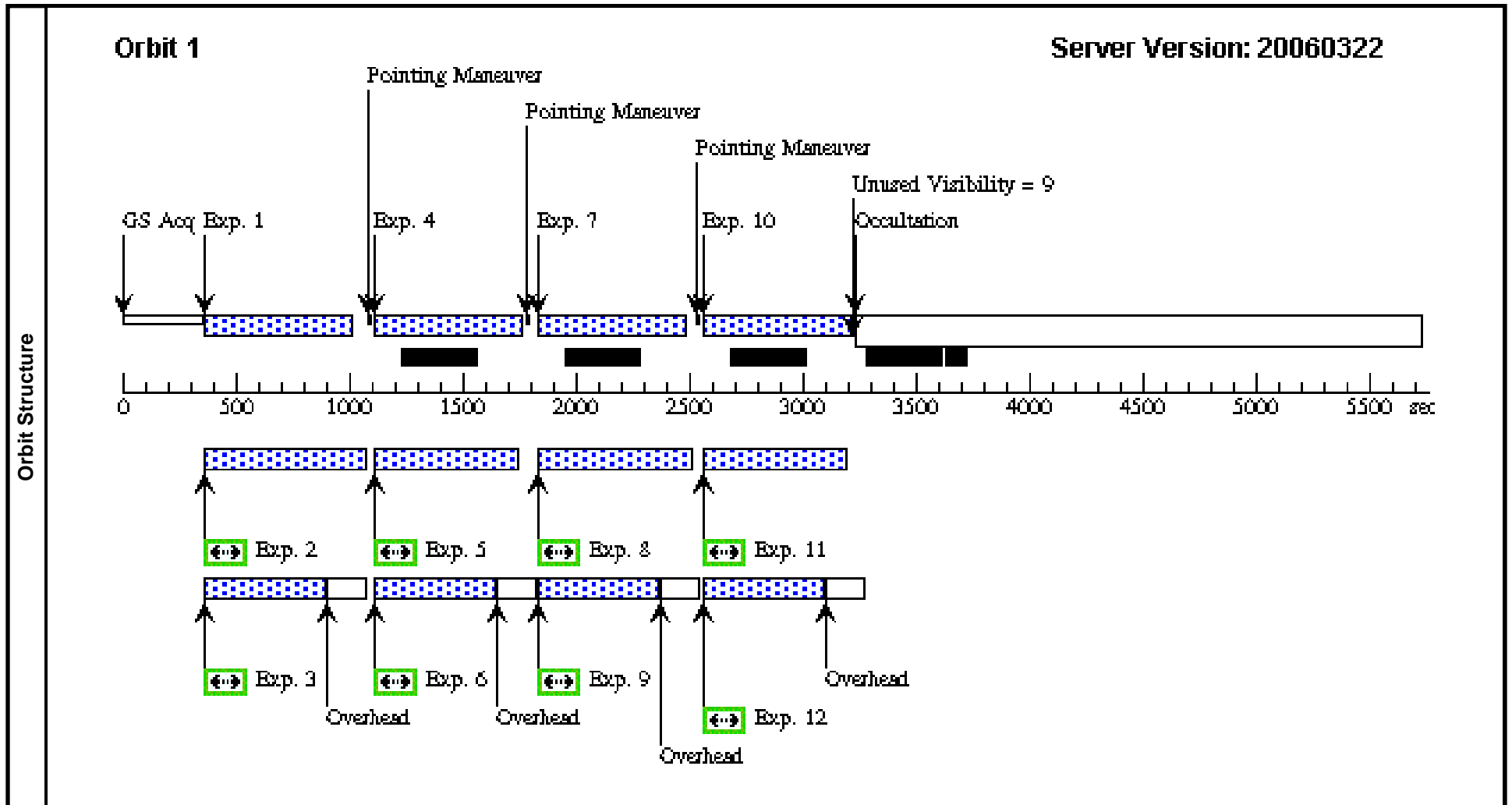
Proposal 10532 - Visit 0D - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:30 GMT 2006

<b>Visit</b>	<b>Proposal 10532, Visit 0D</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 342.0D TO 160.0 D <i>Comments: The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, we ask you to relax the ORIENT range to: ORIENT 342.0D TO 183.5D, which would still put ACS into the DEEP2 field. If this still delays the observations, please drop the ORIENT requirement completely.</i>									
	(Visit 0D) Warning: GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(13)	GAL-022936+002507 Alt Name1: DEEP2-42009739	RA: 02 29 35.7464 (37.3989433d) Dec: +00 25 6.55 (.41849d) Equinox: J2000 Plate Id: 023B			V=23.2 B(Vega)=23.41, R(Vega)=22.93, I(Vega)=22.33	Coordinate Source: GSC_SURVEY_PLATE			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	DEEP2-420 09739-NIC2 -H	(13) GAL-022936+0 02507	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1NDS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-420 09739-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-420 09739-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-420 09739-NIC2 -H	(13) GAL-022936+0 02507	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-420 09739-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-420 09739-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-420 09739-NIC2 -H	(13) GAL-022936+0 02507	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]

Proposal 10532 - Visit 0D - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	8	DEEP2-420 09739-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-420 09739-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]
	10	DEEP2-420 09739-NIC2 -H	(13) GAL-022936+0 02507	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-420 09739-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-420 09739-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



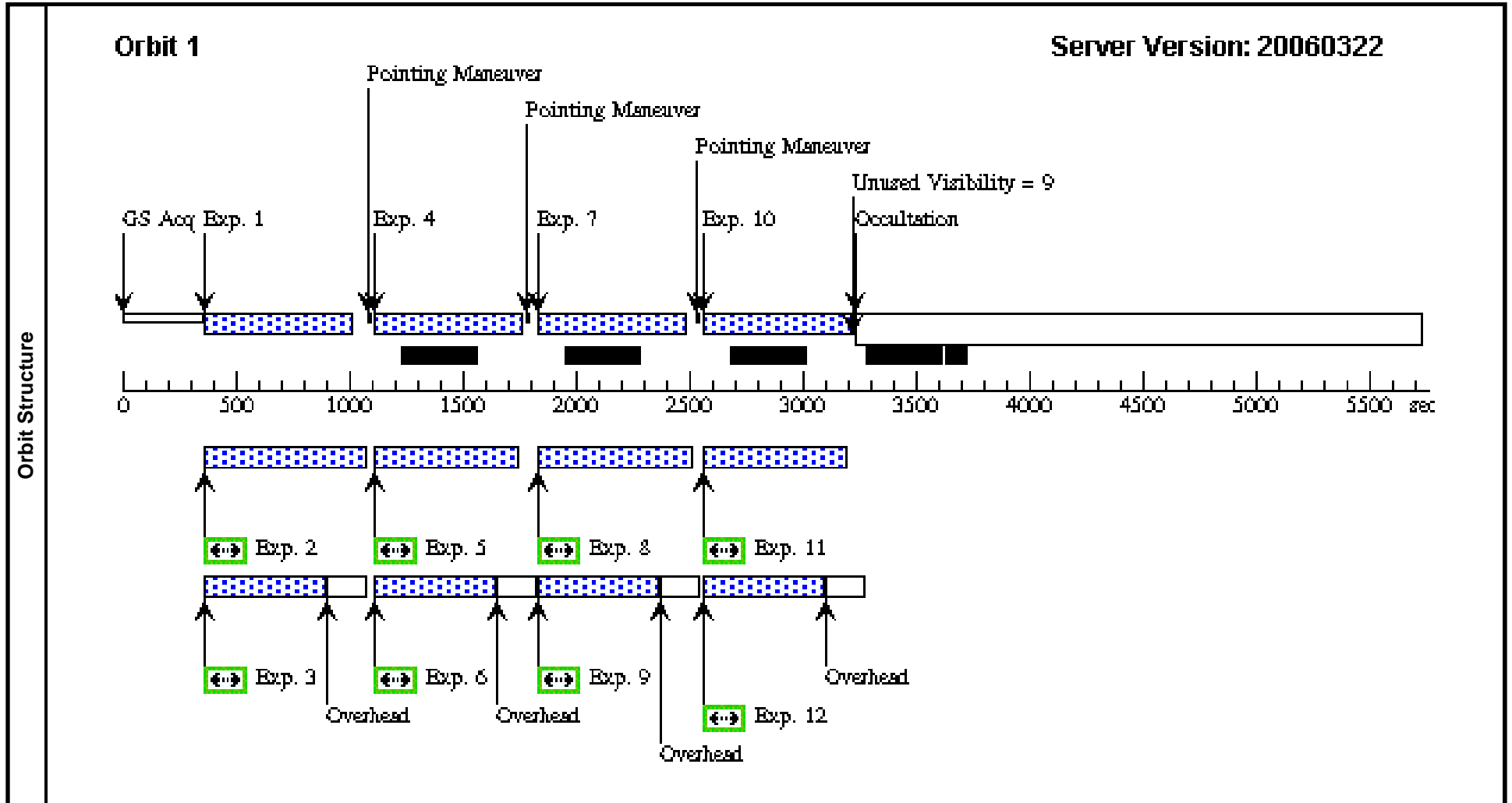
Proposal 10532 - Visit 0E - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:30 GMT 2006

<b>Visit</b>	<b>Proposal 10532, Visit 0E</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 312.0D TO 90.0 D <i>Comments: The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, we ask you to relax the Min Orient to smaller values, 312 deg &gt; Min Orient &gt; 270 deg as far as necessary, which would still put ACS partly and WFPC2 fully into the DEEP2 field. If this still delays the observations, please drop the ORIENT requirement completely.</i>									
	(Visit 0E) Warning: GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(14)	GAL-023057+002943 Alt Name1: DEEP2-42013611	RA: 02 30 57.0639 (37.7377662d) Dec: +00 29 42.22 (.49506d) Equinox: J2000 Plate Id: 023B		V=23.03 B(Vega)=23.83, R(Vega)=22.22, I(Vega)=21.15	Coordinate Source: GSC_SURVEY_PLATE				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	DEEP2-420 13611-NIC2 -H	(14) GAL-023057+0 02943	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1NDS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-420 13611-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-420 13611-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-420 13611-NIC2 -H	(14) GAL-023057+0 02943	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-420 13611-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-420 13611-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-420 13611-NIC2 -H	(14) GAL-023057+0 02943	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]

Proposal 10532 - Visit 0E - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	8	DEEP2-420 13611-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-420 13611-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]
	10	DEEP2-420 13611-NIC2 -H	(14) GAL-023057+0 02943	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-420 13611-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-330 18699-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]



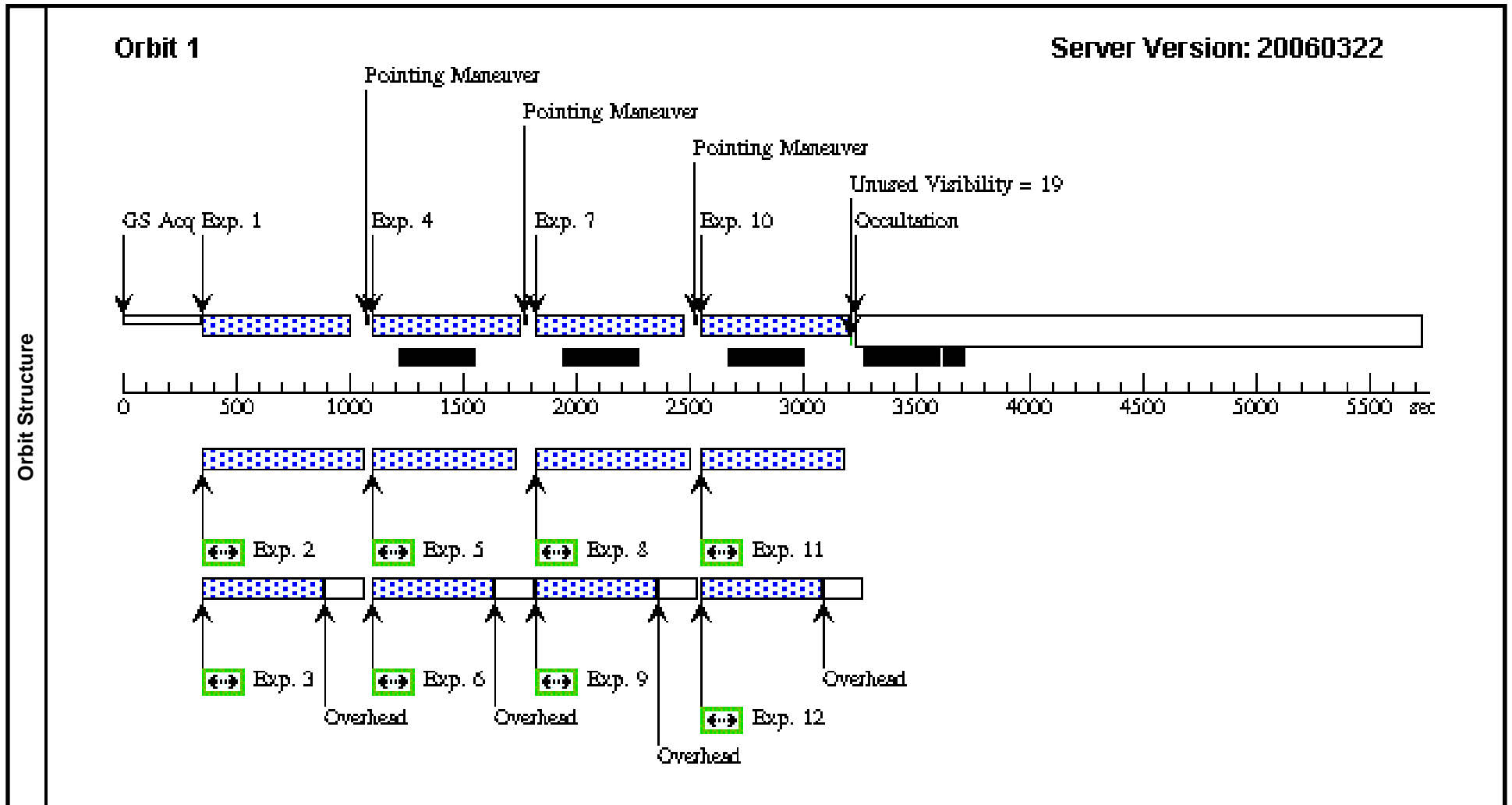
Proposal 10532 - Visit 0F - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Sat Jun 17 01:14:31 GMT 2006

Visit	Proposal 10532, Visit 0F									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC2, WFC2 Special Requirements: (none) Comments: No ORIENT constraints for this visit.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	GAL-022835+003448 Alt Name1: DEEP2-42034510	RA: 02 28 35.1298 (37.1463742d) Dec: +00 34 47.15 (.57976d) Equinox: J2000 Plate Id: 023B		V=23.4 B(Vega)=23.76, R(Vega)=22.88, I(Vega)=21.73	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-420 34510-NIC2 -H	(15) GAL-022835+0 03448	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-420 34510-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-420 34510-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-420 34510-NIC2 -H	(15) GAL-022835+0 03448	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-420 34510-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-420 34510-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-420 34510-NIC2 -H	(15) GAL-022835+0 03448	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-420 34510-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
	9	DEEP2-420 34510-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]
10	DEEP2-420 34510-NIC2 -H	(15) GAL-022835+0 03448	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]	

Proposal 10532 - Visit 0F - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	11	DEEP2-420 34510-ACS-V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 10-12	505.0 Secs [==>]	[1]
12	DEEP2-420 34510-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Group 10-12	400.0 Secs [==>400.0 Secs ]	[1]	



Proposal 10532 - Visit 56 - Kinematics and morphology of the most massive field disk galaxies at z>1

Sat Jun 17 01:14:31 GMT 2006

Visit	Proposal 10532, Visit 56									
		<b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC2, WFPC2 Special Requirements: ORIENT 132.0D TO 270.0 D; ORIENT 305.0D TO 335.0 D Comments: <i>This is a priority target.</i>  <i>The given ORIENT range puts the ACS WFC and WFPC2 parallel observations into a DEEP2 redshift survey field, and will greatly enhance the scientific payback of these HST orbits. These ORIENTs should be observed if possible. However, if this would significantly delay the observations, we ask you to relax the ORIENT requirement to: ORIENT 132.0D TO 10.0D, which would still put ACS into the DEEP2 field. If this still delays the observations, please drop the ORIENT requirement completely.</i>								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	GAL-232837+001821 Alt Name1: DEEP2-32034378	RA: 23 28 37.4700 (352.1561250d) Dec: +00 18 20.34 (.30565d) Equinox: J2000 Plate Id: 00JQ		V=23.3 B(Vega)=24.13, R(Vega)=22.39, I(Vega)=21.04	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -4.3262 129,3.087596; GS ACQ SCENARI O BASE1TNS	Prime + Parallel Gro up 1-3	[==>]	[1]
	2	DEEP2-320 34378-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	505.0 Secs [==>]	[1]
	3	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 1-3	400.0 Secs [==>400.0 Secs ]	[1]
	4	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 3.83866 08,4.2967634	Prime + Parallel Gro up 4-6	[==>]	[1]
	5	DEEP2-320 34378-ACS- I	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	505.0 Secs [==>]	[1]
	6	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 4-6	400.0 Secs [==>400.0 Secs ]	[1]
	7	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG 4.29409, -3.8049321	Prime + Parallel Gro up 7-9	[==>]	[1]
	8	DEEP2-320 34378-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	505.0 Secs [==>]	[1]
9	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 7-9	400.0 Secs [==>400.0 Secs ]	[1]	

Proposal 10532 - Visit 56 - Kinematics and morphology of the most massive field disk galaxies at  $z > 1$

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	DEEP2-320 34378-NIC2 -H	(6) GAL-232837+00 1821	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=12	POS TARG -3.7941 322,-4.3336295	Prime + Parallel Gro up 10-12	[==>]	[1]
	11	DEEP2-320 34378-ACS- V	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	505.0 Secs [==>]	[1]
	12	DEEP2-320 34378-WFP C2-I	ANY	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Prime + Parallel Gro up 10-12	400.0 Secs [==>400.0 Secs ]	[1]

