



13975 - COS NUV Internal/External Wavelength Scale Monitor

Cycle: 22, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Paule G. Sonnentrucker (PI) (ESA Member) (Contact)	Space Telescope Science Institute - ESA	sonnentr@stsci.edu

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) HD-6655	COS/NUV	1	10-Oct-2015 21:27:10.0	yes
02	(1) HD-6655	COS/NUV	1	10-Oct-2015 21:27:13.0	yes
52	(2) HD-6655-UPDATED-PM	COS/NUV	1	10-Oct-2015 21:27:15.0	yes
03	(1) HD-6655	COS/NUV	1	10-Oct-2015 21:27:17.0	yes
53	(1) HD-6655	COS/NUV	1	10-Oct-2015 21:27:19.0	yes

5 Total Orbits Used

ABSTRACT

This program monitors the offset between the internal and external wavelength scales: this offset is referred to as "DELTA" in the wavelength dispersion reference file and corrects for the shift between the WCA and PSA in TV03 versus the shift between the WCA and PSA in orbit : (WCA-PSA_)_TV03 - (WCA - PSA)_orbit. Analysis of TV data indicates that this DELTA (offset) is cenwave and FPPOS independent for a particular grating, but it is grating and stripe dependent. To verify and monitor this, this program observes various cenwaves.

OBSERVING DESCRIPTION

This program monitors the offset between the internal and external wavelength scales by obtaining spectra of a select number of cenwaves for the G230L, G285M, G225M and G185M gratings three times per cycle. All data are obtained at FP-POS=3. This program structure has been modified compared to that of cycle 21 program 13529 due to GS acquisition issues. The double PEAKXD sequence was replaced by the traditional ACQ/SEARCH, ACQ/PEAKXD and ACQ/PEAKD for the remaining visits following the recommendations of the failure investigation for V02. The BETWEEN ranges for the remaining visits were updated accordingly. The Proper motion in RA was updated with recent measurements; a modified naming convention was used for HD6655 to execute V52 (repeat of failed V02).

Proposal 13975 - Visit 01 - COS NUV Internal/External Wavelength Scale Monitor

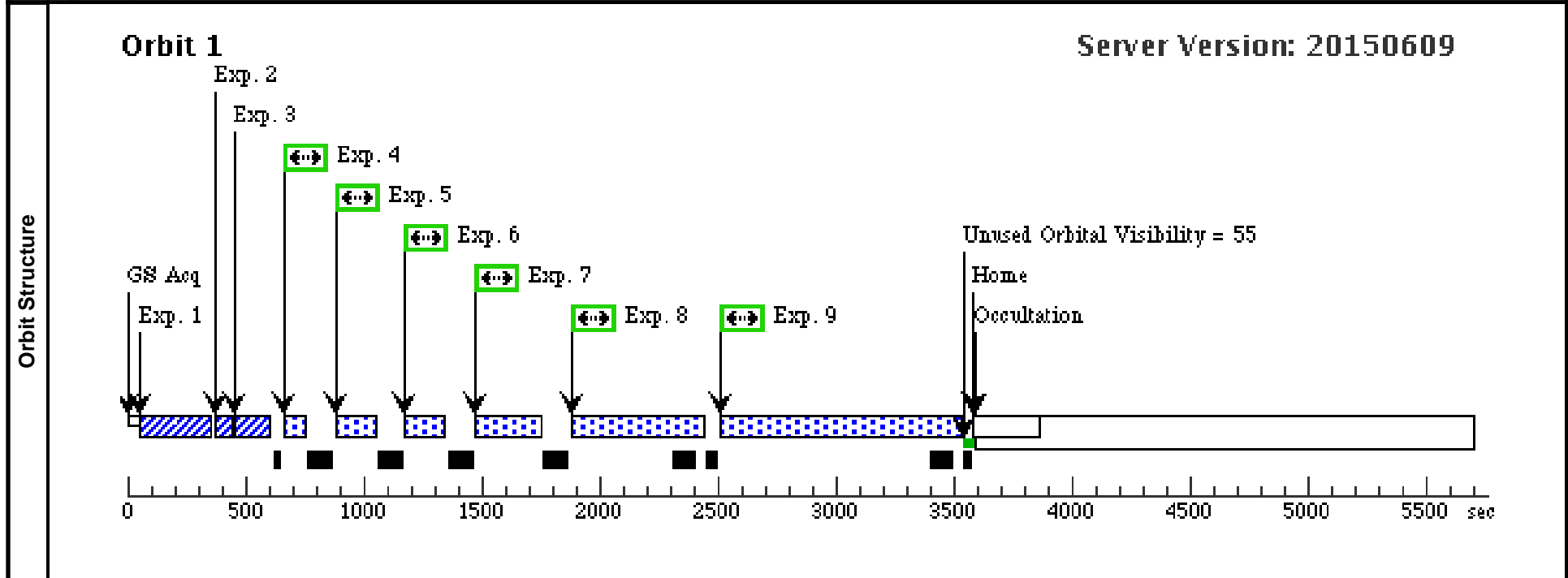
Visit	<p>Proposal 13975, Visit 01, completed Sun Oct 11 01:27:21 GMT 2015 Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: BETWEEN 17-FEB-2015:00:00:00 AND 22-FEB-2015:00:00:00</p>																	
	<p>(Visit 01) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</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>(1)</td> <td>HD-6655</td> <td>RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000</td> <td>Proper Motion RA: 0.01101 sec of time/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec</td> <td>V=8.05+/-0.05</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	HD-6655	RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000	Proper Motion RA: 0.01101 sec of time/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec	V=8.05+/-0.05	Reference Frame: ICRS
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<p><i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database.</i></p>																		

Proposal 13975 - Visit 01 - COS NUV Internal/External Wavelength Scale Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs (1.5 Secs) [==>]	[1]
	2	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs (1.5 Secs) [==>]	[1]
	3	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKD, PSA	G230L 2635 A	NUM-POS=5; STEP-SIZE=1; CENTER=FLUX-W T-FLR			1 Secs (1 Secs) [==>]	[1]
	4	(COS.sp.534 (1) HD-6655 878)	COS/NUV, TIME-TAG, PSA	G230L 2635 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs (80 Secs) [==>]	[1]
	<p><i>Comments: Brightest Pixel (2655.03 A) 9.490</i> <i>Count rate entire detector 8,865.626</i> <i>Count rate stripe A 11.778</i> <i>Count rate stripe B 7,840.924</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 266</i></p>								
	5	(COS.sp.627 (1) HD-6655 225)	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs (80 Secs) [==>]	[1]
	<p><i>Comments: Brightest Pixel (at 2913.11 A) 10.686</i> <i>Count rate entire detector 12,802.539</i> <i>Count rate Stripe A 828.999</i> <i>Count rate Stripe B 11,134.679</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 184</i></p>								
	6	(COS.sp.627 (1) HD-6655 343)	COS/NUV, TIME-TAG, PSA	G230L 3000 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs (80 Secs) [==>]	[1]
<p><i>Comments: Brightest Pixel (at 2905.81A) 10.187</i> <i>Count rate entire detector 12,673.732</i> <i>Count rate Stripe A 1,354.482</i> <i>Count rate Stripe B 10,480.389</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 186</i></p>									
7	(COS.sp.627 (1) HD-6655 344)	COS/NUV, TIME-TAG, PSA	G285M 2676 A	BUFFER-TIME=90. ; FP-POS=3			90 Secs (90 Secs) [==>]	[1]	
<p><i>Comments: Brightest Pixel (at 2668.63 A) 0.292</i> <i>Count rate entire detector 1,377.011</i> <i>Count rate Stripe A 110.625</i> <i>Count rate Stripe B 310.912</i> <i>Count rate Stripe C 116.614</i> <i>Buffer time (sec) 1,713</i></p>									
8	(COS.sp.627 (1) HD-6655 345)	COS/NUV, TIME-TAG, PSA	G225M 2217 A	BUFFER-TIME=33 0; FP-POS=3			440 Secs (440 Secs) [==>]	[1]	
<p><i>Comments: Brightest Pixel (at 2324.59 A) 0.338</i> <i>Count rate entire detector 1,501.118</i> <i>Count rate Stripe A 125.753</i> <i>Count rate Stripe B 255.146</i> <i>Count rate Stripe C 281.358</i> <i>Buffer time (sec) 1,571</i></p>									

Proposal 13975 - Visit 01 - COS NUV Internal/External Wavelength Scale Monitor

9	(COS.sp.627 (1) HD-6655 346)	COS/NUV, TIME-TAG, PSA	G185M 2010 A	BUFFER-TIME=75 0; FP-POS=3	860 Secs (860 Secs) [==>]	[1]
<p>Comments: Brightest Pixel (at 2120.91 A) 0.247 Count rate entire detector 1,107.392 Count rate Stripe A 31.289 Count rate Stripe B 58.201 Count rate Stripe C 179.042 Buffer time (sec) 2.130</p>						



Proposal 13975 - Visit 02 - COS NUV Internal/External Wavelength Scale Monitor

Sun Oct 11 01:27:21 GMT 2015

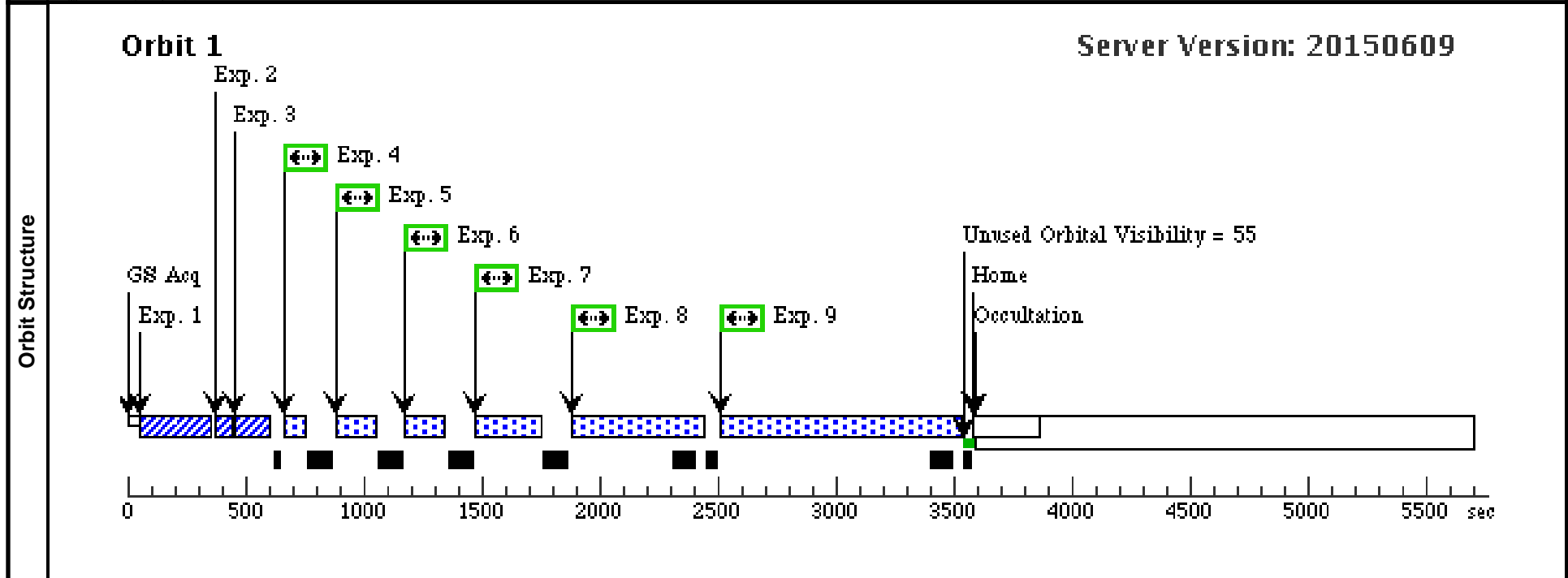
Visit	<p>Proposal 13975, Visit 02, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: BETWEEN 24-MAY-2015:00:00:00 AND 08-JUN-2015:00:00:00</p>					
Diagnostics	<p>(Visit 02) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HD-6655	RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000	Proper Motion RA: 0.01101 sec of time/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec	V=8.05+/-0.05	Reference Frame: ICRS
	<p><i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database.</i></p>					

Proposal 13975 - Visit 02 - COS NUV Internal/External Wavelength Scale Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs (1.5 Secs) [==>]	[1]
	2	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs (1.5 Secs) [==>]	[1]
	3	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKD, PSA	G230L 2635 A	NUM-POS=5; STEP-SIZE=1; CENTER=FLUX-W T-FLR			1 Secs (1 Secs) [==>]	[1]
	4	(COS.sp.534 (1) HD-6655 878)	COS/NUV, TIME-TAG, PSA	G230L 2635 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs (80 Secs) [==>]	[1]
	<i>Comments: Brightest Pixel (2655.03 A) 9.490 Count rate entire detector 8,865.626 Count rate stripe A 11.778 Count rate stripe B 7,840.924 Stripe C contains only second order light not calculated Buffer time (sec) 266</i>								
	5	(COS.sp.627 (1) HD-6655 225)	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs (80 Secs) [==>]	[1]
	<i>Comments: Brightest Pixel (at 2913.11 A) 10.686 Count rate entire detector 12,802.539 Count rate Stripe A 828.999 Count rate Stripe B 11,134.679 Stripe C contains only second order light not calculated Buffer time (sec) 184</i>								
	6	(COS.sp.627 (1) HD-6655 343)	COS/NUV, TIME-TAG, PSA	G230L 3000 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs (80 Secs) [==>]	[1]
<i>Comments: Brightest Pixel (at 2905.81A) 10.187 Count rate entire detector 12,673.732 Count rate Stripe A 1,354.482 Count rate Stripe B 10,480.389 Stripe C contains only second order light not calculated Buffer time (sec) 186</i>									
7	(COS.sp.627 (1) HD-6655 344)	COS/NUV, TIME-TAG, PSA	G285M 2676 A	BUFFER-TIME=90. ; FP-POS=3			90 Secs (90 Secs) [==>]	[1]	
<i>Comments: Brightest Pixel (at 2668.63 A) 0.292 Count rate entire detector 1,377.011 Count rate Stripe A 110.625 Count rate Stripe B 310.912 Count rate Stripe C 116.614 Buffer time (sec) 1,713</i>									
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<i>Comments: rightest Pixel (at 2324.59 A) 0.338 Count rate entire detector 1,501.118 Count rate Stripe A 125.753 Count rate Stripe B 255.146 Count rate Stripe C 281.358 Buffer time (sec) 1,571</i>									

Proposal 13975 - Visit 02 - COS NUV Internal/External Wavelength Scale Monitor

9	(COS.sp.627 (1) HD-6655 346)	COS/NUV, TIME-TAG, PSA	G185M 2010 A	BUFFER-TIME=75 0; FP-POS=3	860 Secs (860 Secs) [==>]	[1]
<p>Comments: Brightest Pixel (at 2120.91 A) 0.247 Count rate entire detector 1,107.392 Count rate Stripe A 31.289 Count rate Stripe B 58.201 Count rate Stripe C 179.042 Buffer time (sec) 2.130</p>						



Proposal 13975 - Visit 52 - COS NUV Internal/External Wavelength Scale Monitor

Sun Oct 11 01:27:21 GMT 2015

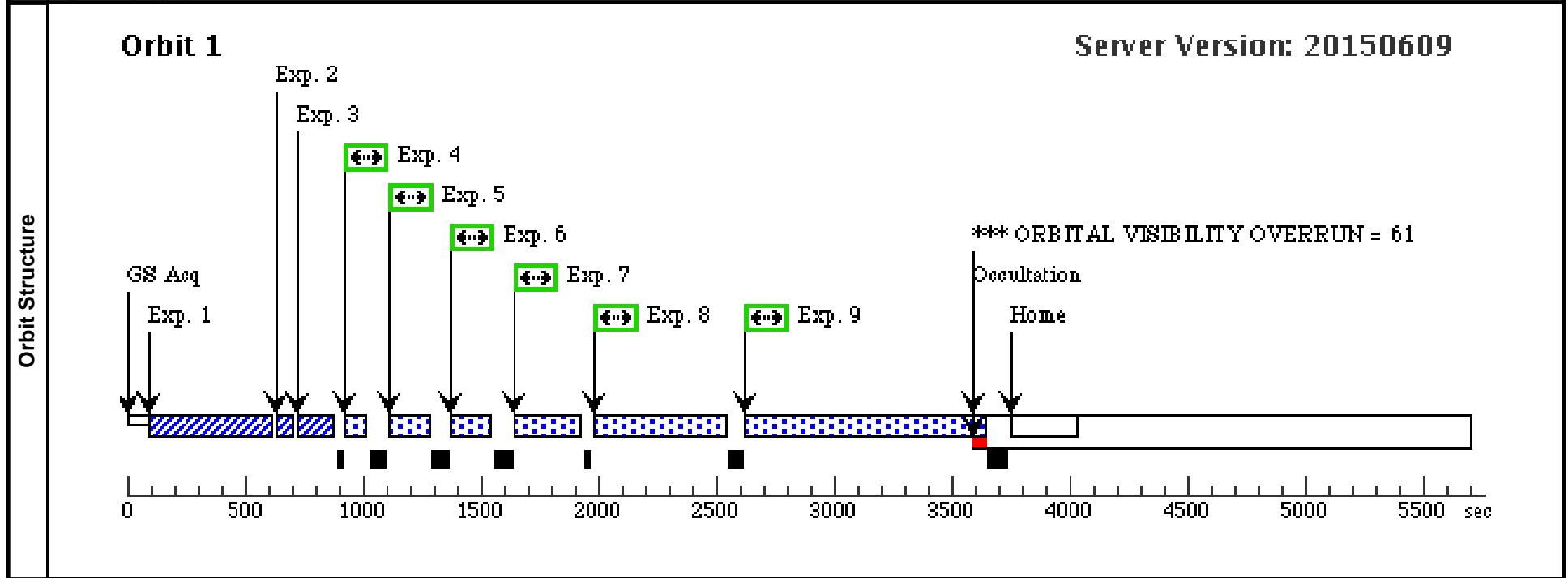
Visit	Proposal 13975, Visit 52, implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: BETWEEN 23-NOV-2015:00:00:00 AND 07-DEC-2015:00:00:00 <i>Comments: This visit is a repeat of failed V02</i>																	
Diagnostics	(Visit 52) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 52) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.																	
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>(2)</td> <td>HD-6655-UPDATED-PM</td> <td> RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000 </td> <td> Proper Motion RA: 48.7 mas/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec </td> <td>V=8.05+/-0.05</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	HD-6655-UPDATED-PM	RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000	Proper Motion RA: 48.7 mas/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec	V=8.05+/-0.05	Reference Frame: ICRS	<i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database. The PM in RA was updated to reflect more recent measurements from Gaia and Tycho2.</i> Extended=NO				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous													
(2)	HD-6655-UPDATED-PM	RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000	Proper Motion RA: 48.7 mas/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec	V=8.05+/-0.05	Reference Frame: ICRS													

Proposal 13975 - Visit 52 - COS NUV Internal/External Wavelength Scale Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.sa.739 058)	(2) HD-6655-UPDA TED-PM	COS/NUV, ACQ/SEARCH, PSA	G230L 2635 A	SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR		1 Secs (1 Secs) [==>]	[1]
	2	(COS.sa.627 221)	(2) HD-6655-UPDA TED-PM	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM		1.5 Secs (1.5 Secs) [==>]	[1]
	3	(COS.sa.739 058)	(2) HD-6655-UPDA TED-PM	COS/NUV, ACQ/PEAKD, PSA	G230L 2635 A	NUM-POS=5; STEP-SIZE=1; CENTER=FLUX-W T-FLR		1 Secs (1 Secs) [==>]	[1]
	4	(COS.sp.534 878)	(2) HD-6655-UPDA TED-PM	COS/NUV, TIME-TAG, PSA	G230L 2635 A	BUFFER-TIME=17 7; FP-POS=3		80 Secs (80 Secs) [==>]	[1]
	<i>Comments: Brightest Pixel (2655.03 A) 9.490 Count rate entire detector 8,865.626 Count rate stripe A 11.778 Count rate stripe B 7,840.924 Stripe C contains only second order light not calculated Buffer time (sec) 266</i>								
	5	(COS.sp.627 225)	(2) HD-6655-UPDA TED-PM	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=12 3; FP-POS=3		80 Secs (80 Secs) [==>]	[1]
	<i>Comments: Brightest Pixel (2655.03 A) 9.490 Count rate entire detector 8,865.626 Count rate stripe A 11.778 Count rate stripe B 7,840.924 Stripe C contains only second order light not calculated Buffer time (sec) 266</i>								
6	(COS.sp.627 343)	(2) HD-6655-UPDA TED-PM	COS/NUV, TIME-TAG, PSA	G230L 3000 A	BUFFER-TIME=12 4; FP-POS=3		80 Secs (80 Secs) [==>]	[1]	
<i>Comments: Brightest Pixel (at 2913.11 A) 10.686 Count rate entire detector 12,802.539 Count rate Stripe A 828.999 Count rate Stripe B 11,134.679 Stripe C contains only second order light not calculated Buffer time (sec) 184</i>									
7	(COS.sp.627 344)	(2) HD-6655-UPDA TED-PM	COS/NUV, TIME-TAG, PSA	G285M 2676 A	BUFFER-TIME=11 42; FP-POS=3		90 Secs (90 Secs) [==>]	[1]	
<i>Comments: Brightest Pixel (at 2905.81A) 10.187 Count rate entire detector 12,673.732 Count rate Stripe A 1,354.482 Count rate Stripe B 10,480.389 Stripe C contains only second order light not calculated Buffer time (sec) 186</i>									

Proposal 13975 - Visit 52 - COS NUV Internal/External Wavelength Scale Monitor

8	(COS.sp.739 (2) HD-6655-UPDA 161) TED-PM	COS/NUV, TIME-TAG, PSA	G225M 2217 A	BUFFER-TIME=98 3; FP-POS=3	440 Secs (440 Secs) [==>]	[1]
<p>Comments: rightest Pixel (at 2324.59 A) 0.338 Count rate entire detector 1,501.118 Count rate Stripe A 125.753 Count rate Stripe B 255.146 Count rate Stripe C 281.358 Buffer time (sec) 1,571</p>						
9	(COS.sp.739 (2) HD-6655-UPDA 170) TED-PM	COS/NUV, TIME-TAG, PSA	G185M 2010 A	BUFFER-TIME=12 88; FP-POS=3	860 Secs (860 Secs) [==>]	[1]
<p>Comments: Brightest Pixel (at 2120.91 A) 0.247 Count rate entire detector 1,107.392 Count rate Stripe A 31.289 Count rate Stripe B 58.201 Count rate Stripe C 179.042 Buffer time (sec) 2,130</p>						



Proposal 13975 - Visit 03 - COS NUV Internal/External Wavelength Scale Monitor

Sun Oct 11 01:27:22 GMT 2015

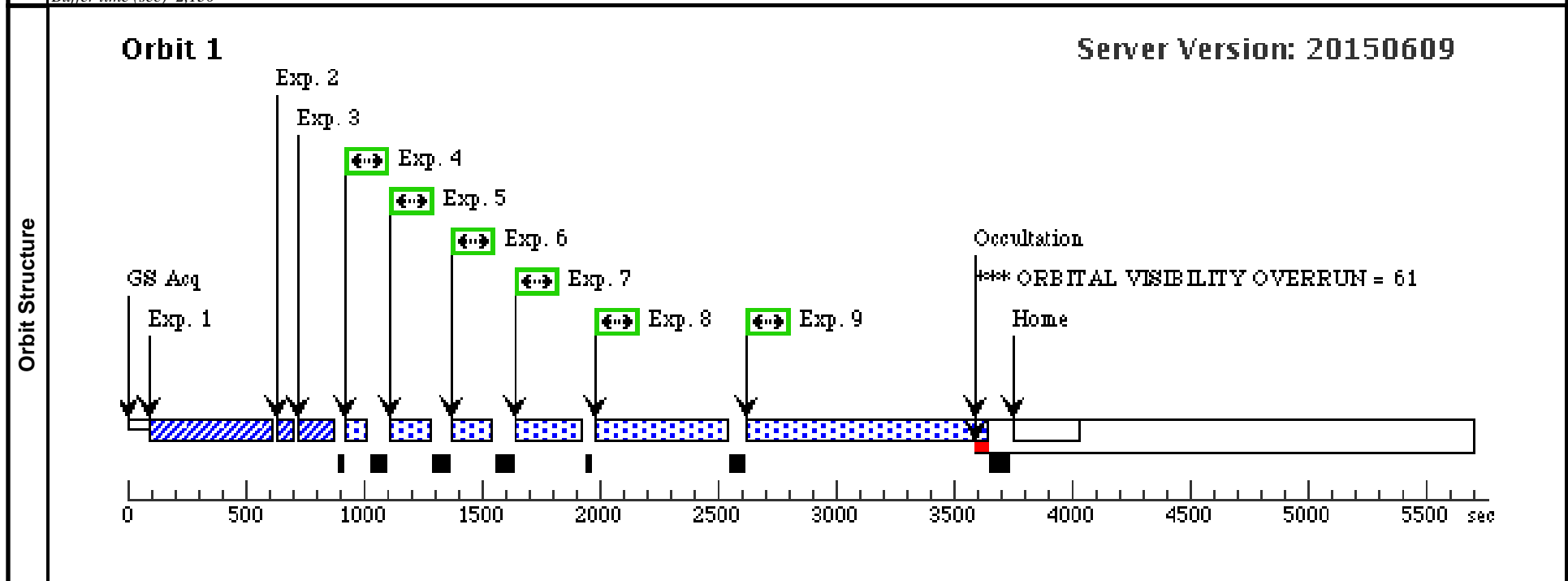
Visit	<p>Proposal 13975, Visit 03, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: BETWEEN 01-SEP-2015:00:00:00 AND 14-SEP-2015:00:00:00</p> <p><i>Comments: This was visit 53 (swapped V03 and V53 to keep the visit numbers in numeric order). This visit will be executed instead of V03. This visit includes the overrun resulting from adding the ACO/SEARCH exposures and retaining the original exposure times for exposures #8 and #9.</i></p>																	
Diagnostics	<p>(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 03) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</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>(1)</td> <td>HD-6655</td> <td>RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000</td> <td>Proper Motion RA: 0.01101 sec of time/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec</td> <td>V=8.05+/-0.05</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database.</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	HD-6655	RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000	Proper Motion RA: 0.01101 sec of time/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec	V=8.05+/-0.05	Reference Frame: ICRS					
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Proposal 13975 - Visit 03 - COS NUV Internal/External Wavelength Scale Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	(COS.sa.739 (1) HD-6655 058)	COS/NUV, ACQ/SEARCH, PSA	G230L 2635 A	SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR	GSPAIR S0XG2765 43F2S0XJ267306F1		1 Secs (1 Secs) [==>]	[1]	
	2	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs (1.5 Secs) [==>]	[1]	
	3	(COS.sa.739 (1) HD-6655 058)	COS/NUV, ACQ/PEAKD, PSA	G230L 2635 A	NUM-POS=5; STEP-SIZE=1; CENTER=FLUX-W T-FLR			1 Secs (1 Secs) [==>]	[1]	
	4	(COS.sp.534 (1) HD-6655 878)	COS/NUV, TIME-TAG, PSA	G230L 2635 A	BUFFER-TIME=17 7; FP-POS=3			80 Secs (80 Secs) [==>]	[1]	
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	5	(COS.sp.627 (1) HD-6655 225)	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=12 3; FP-POS=3			80 Secs (80 Secs) [==>]	[1]	
	<p><i>Comments: Brightest Pixel (at 2913.11 A) 10.686</i> <i>Count rate entire detector 12,802.539</i> <i>Count rate Stripe A 828.999</i> <i>Count rate Stripe B 11,134.679</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 184</i></p>									
6	(COS.sp.627 (1) HD-6655 343)	COS/NUV, TIME-TAG, PSA	G230L 3000 A	BUFFER-TIME=12 4; FP-POS=3			80 Secs (80 Secs) [==>]	[1]		
<p><i>Comments: Brightest Pixel (at 2913.11 A) 10.686</i> <i>Count rate entire detector 12,802.539</i> <i>Count rate Stripe A 828.999</i> <i>Count rate Stripe B 11,134.679</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 184</i></p>										
7	(COS.sp.627 (1) HD-6655 344)	COS/NUV, TIME-TAG, PSA	G285M 2676 A	BUFFER-TIME=11 42; FP-POS=3			90 Secs (90 Secs) [==>]	[1]		
<p><i>Comments: Brightest Pixel (at 2668.63 A) 0.292</i> <i>Count rate entire detector 1,377.011</i> <i>Count rate Stripe A 110.625</i> <i>Count rate Stripe B 310.912</i> <i>Count rate Stripe C 116.614</i> <i>Buffer time (sec) 1,713</i></p>										

Proposal 13975 - Visit 03 - COS NUV Internal/External Wavelength Scale Monitor

8	(COS.sp.739 (1) HD-6655 473)	COS/NUV, TIME-TAG, PSA	G225M 2217 A	BUFFER-TIME=98 3; FP-POS=3	440 Secs (440 Secs) [==>]	[1]
<p>Comments: rightest Pixel (at 2324.59 A) 0.338 Count rate entire detector 1,501.118 Count rate Stripe A 125.753 Count rate Stripe B 255.146 Count rate Stripe C 281.358 Buffer time (sec) 1,571</p>						
9	(COS.sp.739 (1) HD-6655 343)	COS/NUV, TIME-TAG, PSA	G185M 2010 A	BUFFER-TIME=12 88; FP-POS=3	860 Secs (860 Secs) [==>]	[1]
<p>Comments: Brightest Pixel (at 2120.91 A) 0.247 Count rate entire detector 1,107.392 Count rate Stripe A 31.289 Count rate Stripe B 58.201 Count rate Stripe C 179.042 Buffer time (sec) 2,130</p>						



Proposal 13975 - Visit 53 - COS NUV Internal/External Wavelength Scale Monitor

Sun Oct 11 01:27:22 GMT 2015

Visit	<p>Proposal 13975, Visit 53, withdrawn</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: BETWEEN 01-SEP-2015:00:00:00 AND 14-SEP-2015:00:00:00</p> <p><i>Comments: This visit will not be executed and will be withdrawn. This was visit 03 (swapped V03 and V53 to keep the visit numbers in numeric order). This visit does not include the overrun resulting from adding the ACO/SEARCH exposures. The overrun was absorbed by the exposure times for exposures #8 and #9 at very low SN cost.</i></p>					
	<p>(Visit 53) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HD-6655	RA: 01 05 18.2073 (16.3258637d) Dec: -72 33 14.47 (-72.55402d) Equinox: J2000	Proper Motion RA: 0.01101 sec of time/yr Proper Motion Dec: -0.118 arcsec/yr Epoch of Position: 2000 Radial Velocity: 19.5 km/sec	V=8.05+/-0.05	Reference Frame: ICRS
<p><i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database.</i></p>						

Proposal 13975 - Visit 53 - COS NUV Internal/External Wavelength Scale Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	(COS.sa.739 (1) HD-6655 058)	COS/NUV, ACQ/SEARCH, PSA	G230L 2635 A	SCAN-SIZE=3; STEP-SIZE=1.767; CENTER=FLUX-W T-FLR	GSPAIR S0XG2765 43F2S0XJ267306F1		1 Secs (1 Secs) [==>]	[1]	
	2	(COS.sa.627 (1) HD-6655 221)	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs (1.5 Secs) [==>]	[1]	
	3	(COS.sa.739 (1) HD-6655 058)	COS/NUV, ACQ/PEAKD, PSA	G230L 2635 A	NUM-POS=5; STEP-SIZE=1; CENTER=FLUX-W T-FLR			1 Secs (1 Secs) [==>]	[1]	
	4	(COS.sp.534 (1) HD-6655 878)	COS/NUV, TIME-TAG, PSA	G230L 2635 A	BUFFER-TIME=17 7; FP-POS=3			80 Secs (80 Secs) [==>]	[1]	
	<p><i>Comments: Brightest Pixel (2655.03 A) 9.490</i> <i>Count rate entire detector 8,865.626</i> <i>Count rate stripe A 11.778</i> <i>Count rate stripe B 7,840.924</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 266</i></p>									
	5	(COS.sp.627 (1) HD-6655 225)	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=12 3; FP-POS=3			80 Secs (80 Secs) [==>]	[1]	
	<p><i>Comments: Brightest Pixel (at 2913.11 A) 10.686</i> <i>Count rate entire detector 12,802.539</i> <i>Count rate Stripe A 828.999</i> <i>Count rate Stripe B 11,134.679</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 184</i></p>									
6	(COS.sp.627 (1) HD-6655 343)	COS/NUV, TIME-TAG, PSA	G230L 3000 A	BUFFER-TIME=12 4; FP-POS=3			80 Secs (80 Secs) [==>]	[1]		
<p><i>Comments: Brightest Pixel (at 2913.11 A) 10.686</i> <i>Count rate entire detector 12,802.539</i> <i>Count rate Stripe A 828.999</i> <i>Count rate Stripe B 11,134.679</i> <i>Stripe C contains only second order light not calculated</i> <i>Buffer time (sec) 184</i></p>										
7	(COS.sp.627 (1) HD-6655 344)	COS/NUV, TIME-TAG, PSA	G285M 2676 A	BUFFER-TIME=11 42; FP-POS=3			90 Secs (90 Secs) [==>]	[1]		
<p><i>Comments: Brightest Pixel (at 2668.63 A) 0.292</i> <i>Count rate entire detector 1,377.011</i> <i>Count rate Stripe A 110.625</i> <i>Count rate Stripe B 310.912</i> <i>Count rate Stripe C 116.614</i> <i>Buffer time (sec) 1,713</i></p>										

Proposal 13975 - Visit 53 - COS NUV Internal/External Wavelength Scale Monitor

8	(COS.sp.739 (1) HD-6655 161)	COS/NUV, TIME-TAG, PSA	G225M 2217 A	BUFFER-TIME=98 3; FP-POS=3	420 Secs (420 Secs) [==>]	[1]
<p>Comments: rightest Pixel (at 2324.59 A) 0.338 Count rate entire detector 1,501.118 Count rate Stripe A 125.753 Count rate Stripe B 255.146 Count rate Stripe C 281.358 Buffer time (sec) 1,571</p>						
9	(COS.sp.739 (1) HD-6655 170)	COS/NUV, TIME-TAG, PSA	G185M 2010 A	BUFFER-TIME=12 88; FP-POS=3	828 Secs (828 Secs) [==>]	[1]
<p>Comments: Brightest Pixel (at 2120.91 A) 0.247 Count rate entire detector 1,107.392 Count rate Stripe A 31.289 Count rate Stripe B 58.201 Count rate Stripe C 179.042 Buffer time (sec) 2,130</p>						

