

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 53 - L2 Version 3

Chandra X-Ray Center

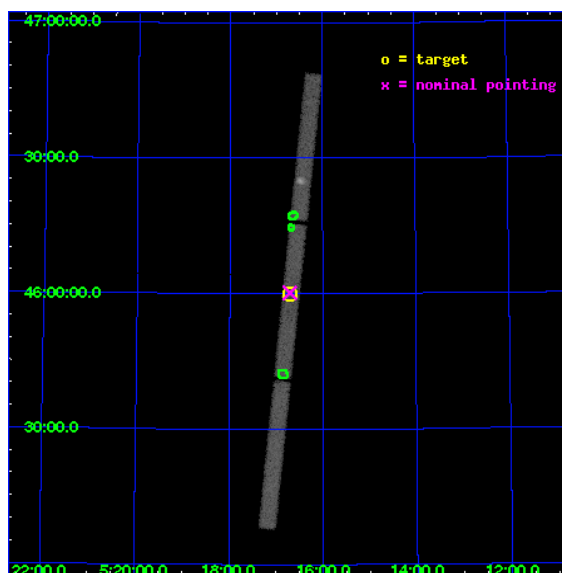
L2 Processing Date : Jan 13 2010

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1 Front

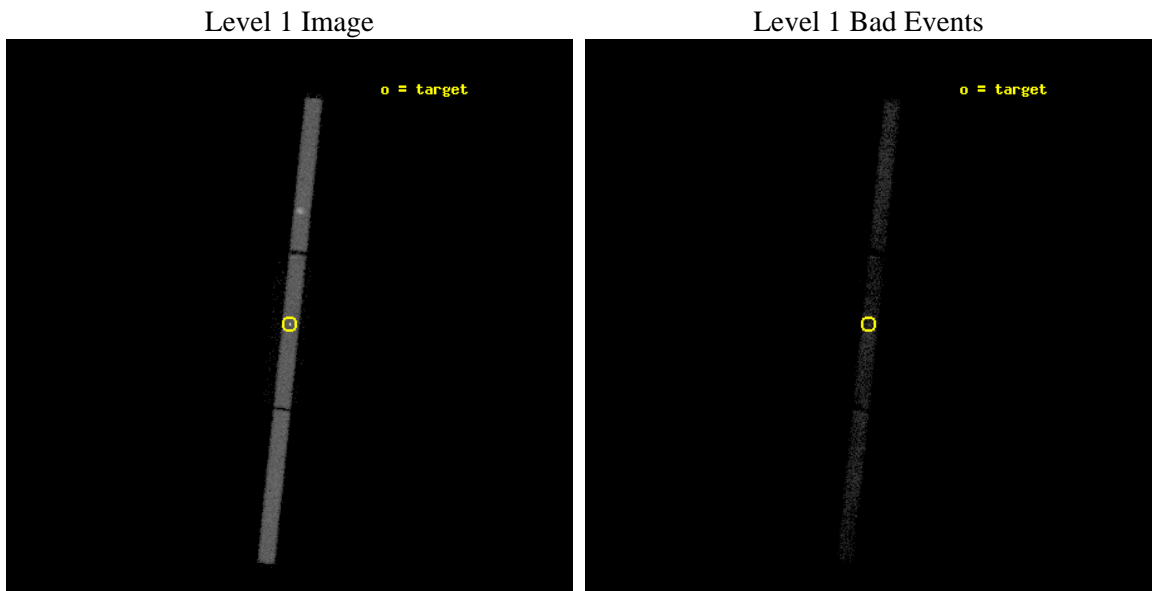
seq_num	290022	Sequence number
obs_id	53	Observation id
title	GRATINGS CALIBRATION OBSERVATION OF AN EMISSION LINE SOURCE: CAPELLA	
observer	DR. CXC CALIBRATION	Principal investigator
object	CAPELLA	Source name
ra_targ	79.17625	Observer's specified target RA
dec_targ	45.997889	Observer's specified target Dec
ra_nom	79.176427700372	Nominal RA
dec_nom	46.003375959851	Nominal Dec
roll_nom	95.86721788311	Nominal Roll
revision	3	Processing version of data
ontime	17318.400621608	[s]
livetime	17317.189417211	Ontime multiplied by DTCOR
l2events	44821	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	85400.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	17318.400621608	[s]
caldbver	4.1.5	 	ll events	61543	Number of level 1 events
date	2010-01-13T12:43:13	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

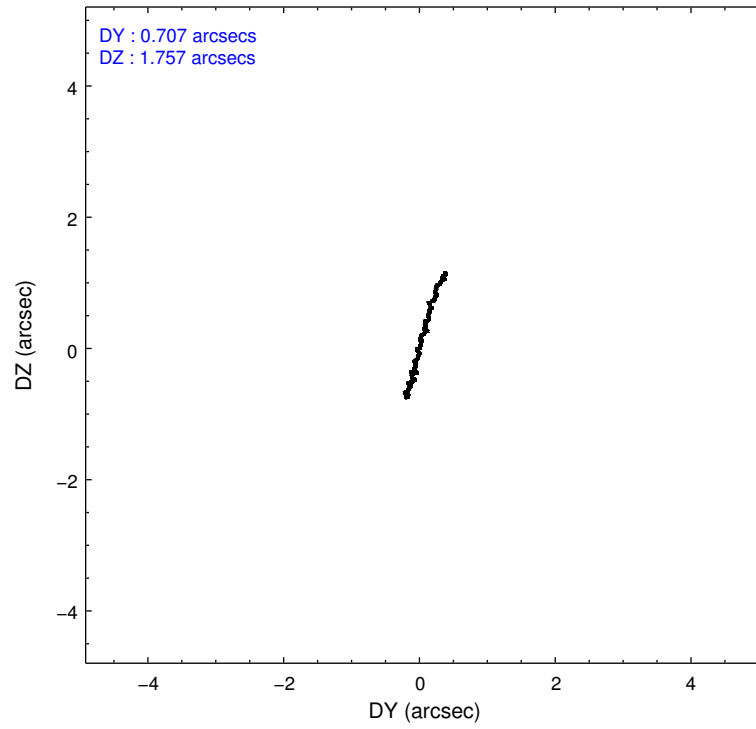
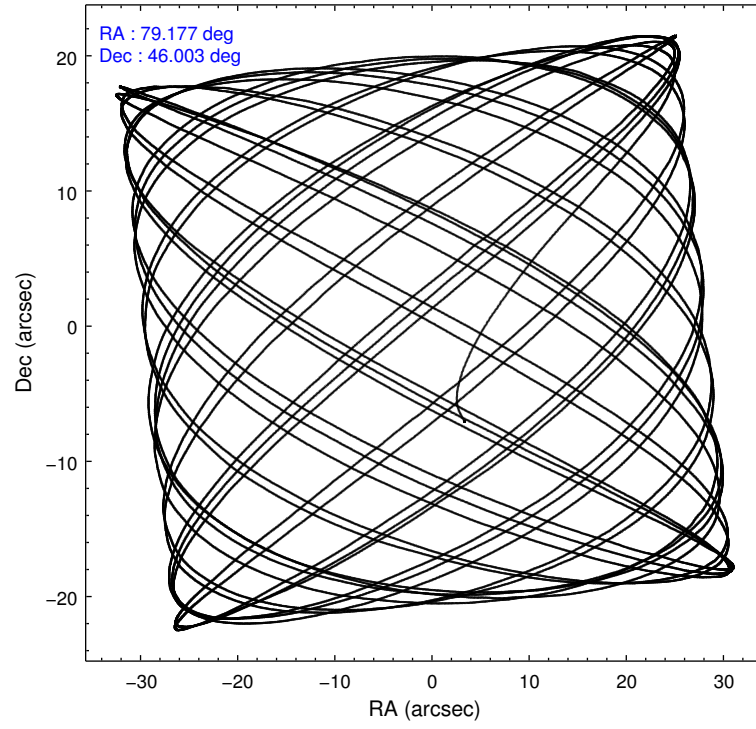
	segment 1	segment 2	segment 3
level 1 events	19133	23185	19225
rejected events	3696	4257	4873
rejected %	19%	18%	25%

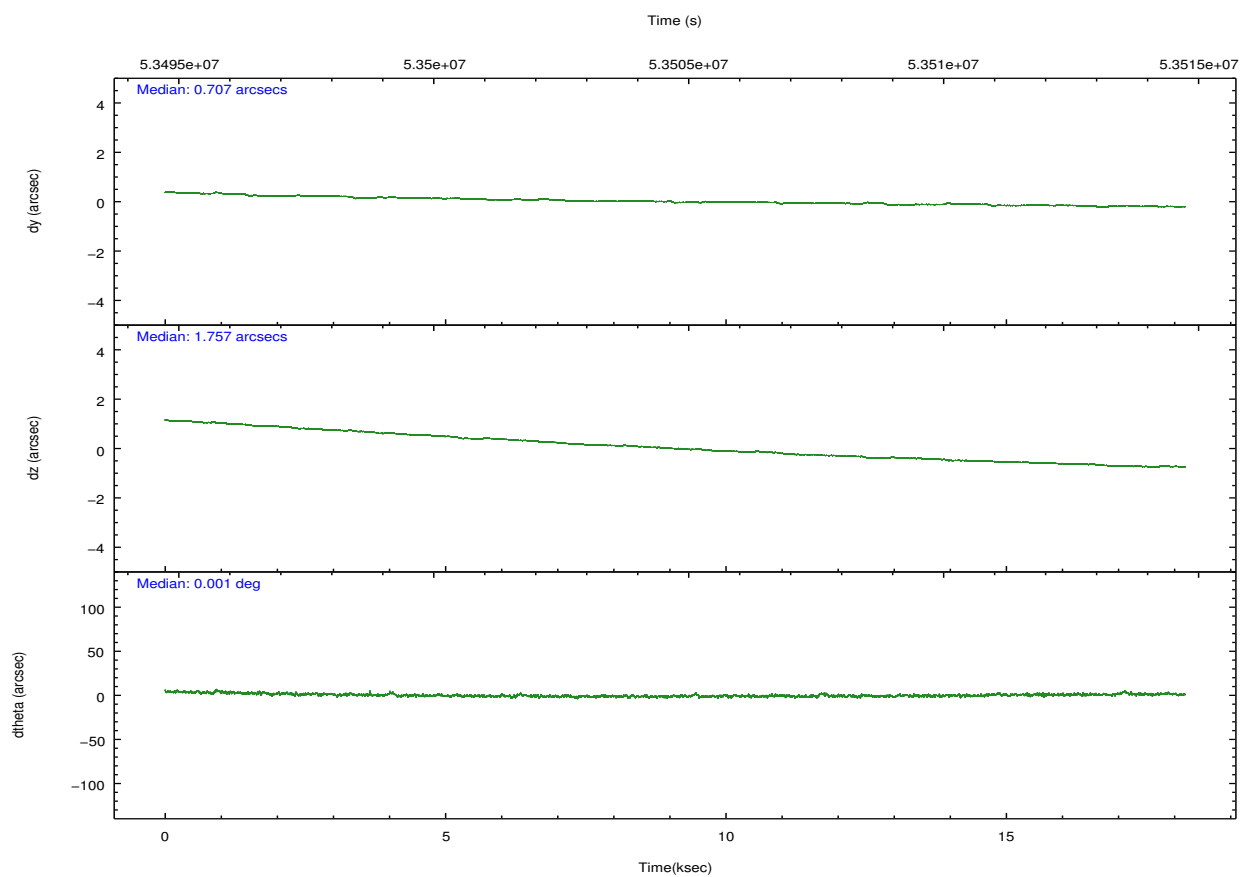
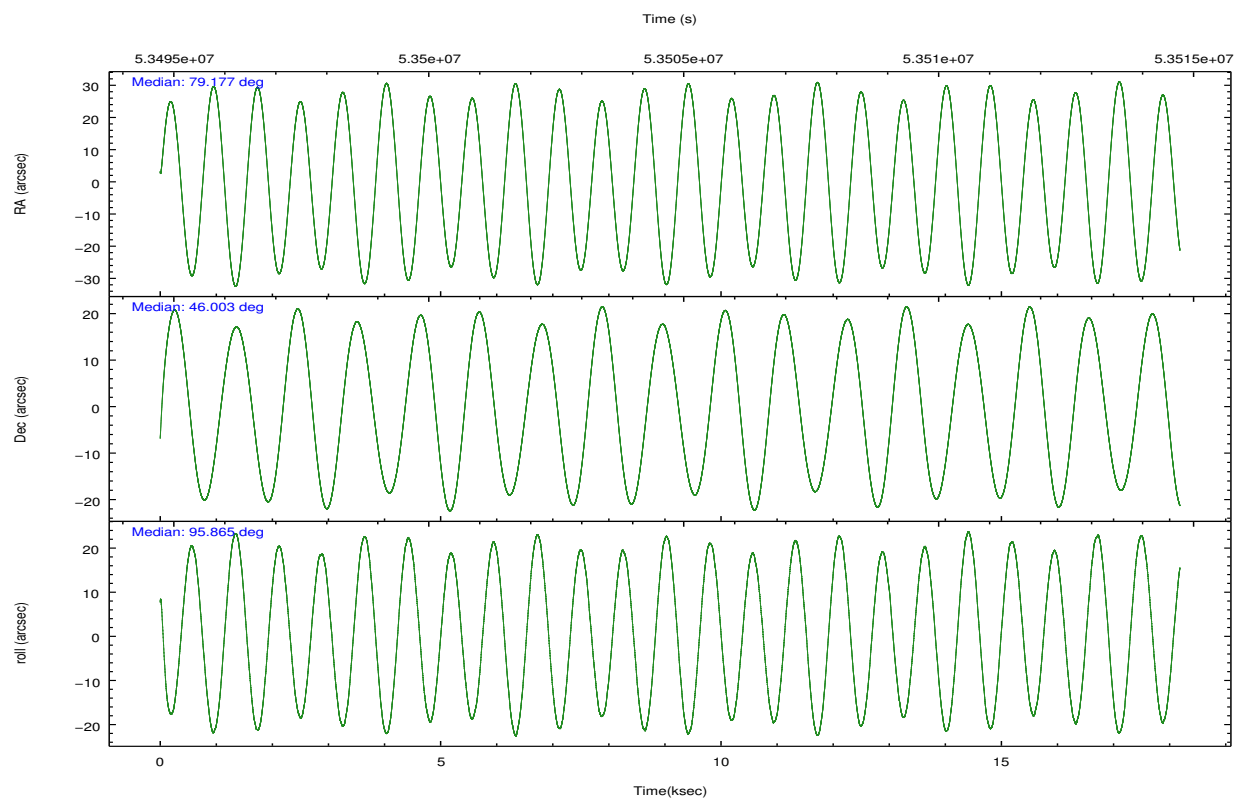
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE
Observation mode	POINTING	POINTING
Pointing RA	79.17625	79.17642770037229
Pointing Dec	45.997889	46.00337595985054
Pointing Roll	95.781851	95.86721788310972
SIM focus pos (mm)	-1.429586	-1.27598394818995
SIM defocus (mm)	0.1037507710433287	0.2573526912143473
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	53496064.184000	53494921.846925
Observation start date	1999-09-12T04:00:00	1999-09-12T03:42:01
Observation end time	53581464.184000	53513825.410103
Observation end date	1999-09-13T03:43:20	1999-09-12T08:57:05

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



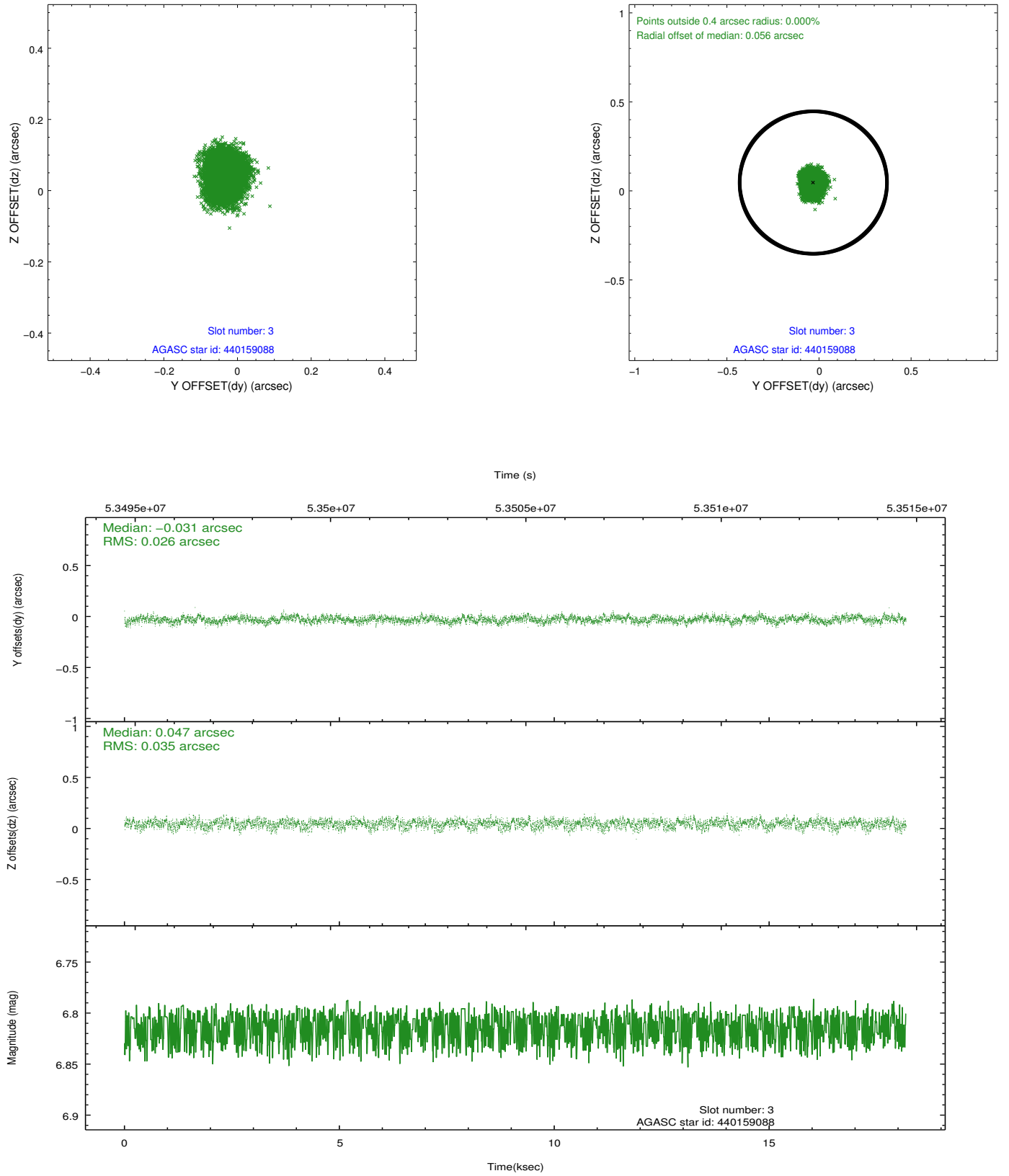


Slot Statistics

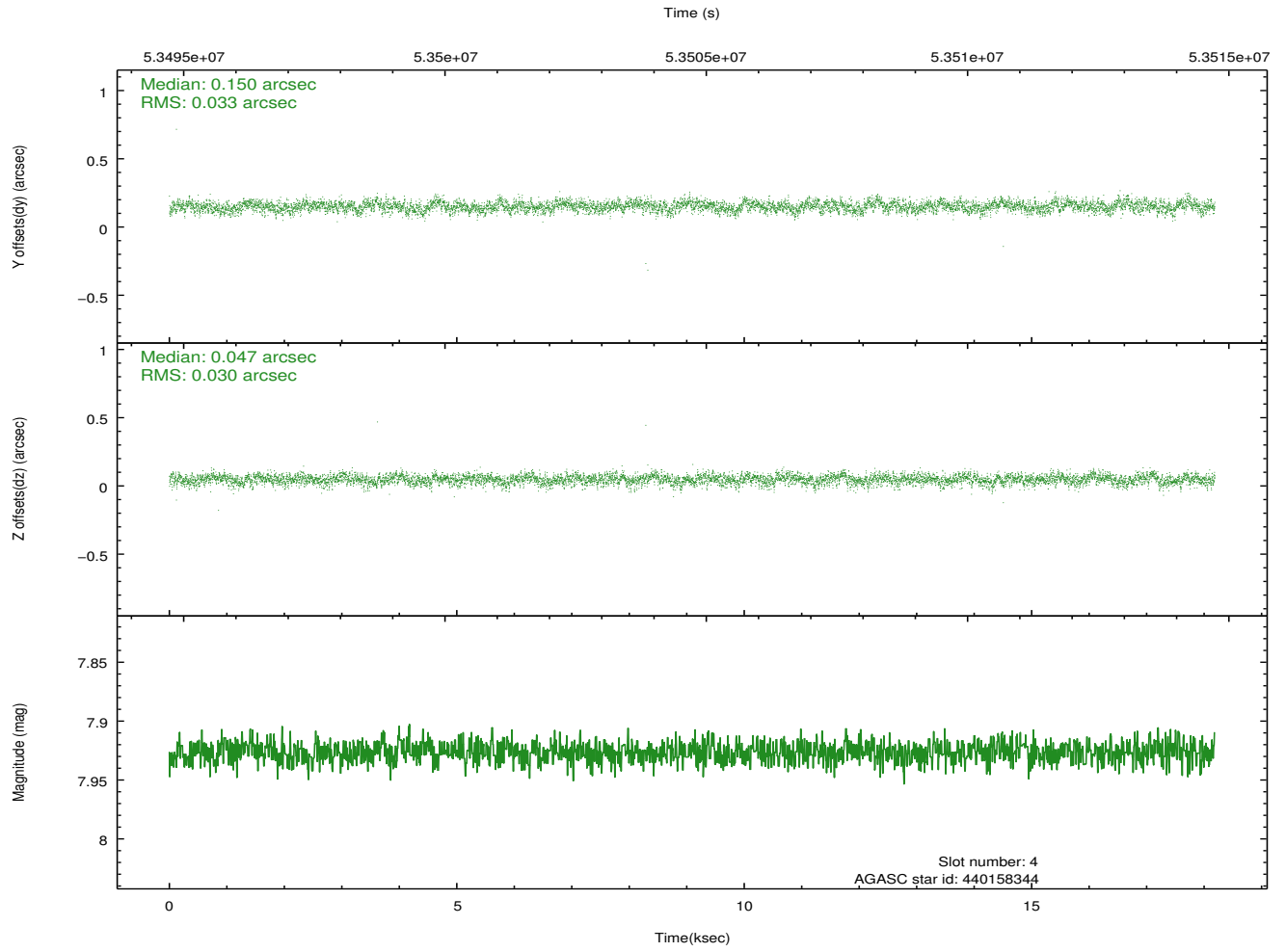
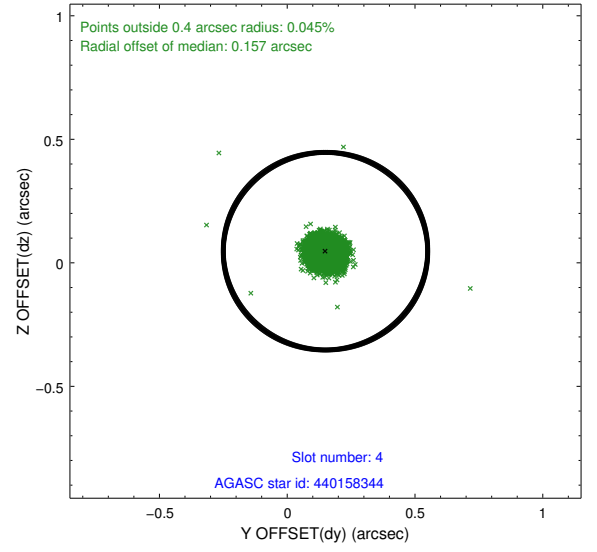
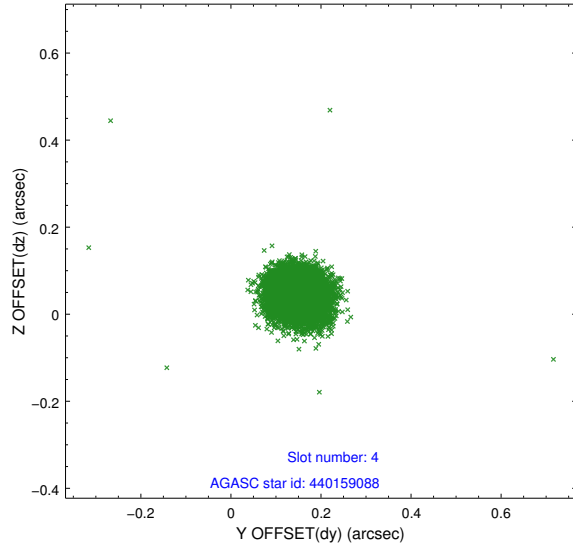
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	8872	0.125	-0.036	0.037	0.049	0.000000	0.000000	-1154.80	-450.04
1	FID	HRC-S-3	7.02	8871	0.129	-0.166	0.037	0.052	0.000000	0.000000	-1157.56	579.33
2	FID	HRC-S-4	6.99	8870	0.136	-0.098	0.012	0.021	0.000000	0.000000	1243.46	581.87
3	GUIDE	440159088	6.81	8872	-0.031	0.047	0.046	0.075	79.453034	46.128063	468.70	-677.33
4	GUIDE	440158344	7.93	8872	0.150	0.047	0.046	0.076	79.344888	45.394991	-2130.67	-147.84
5	GUIDE	440149808	8.46	8868	-0.059	-0.094	0.056	0.090	78.873930	46.405955	1609.52	655.10
6	GUIDE	438438936	8.97	8869	-0.167	-0.089	0.079	0.126	78.241026	46.550197	2296.76	2158.51
7	GUIDE	440145944	9.09	8866	0.110	0.091	0.077	0.124	80.083717	45.428844	-2185.37	-2017.93

2.4 Star Slots

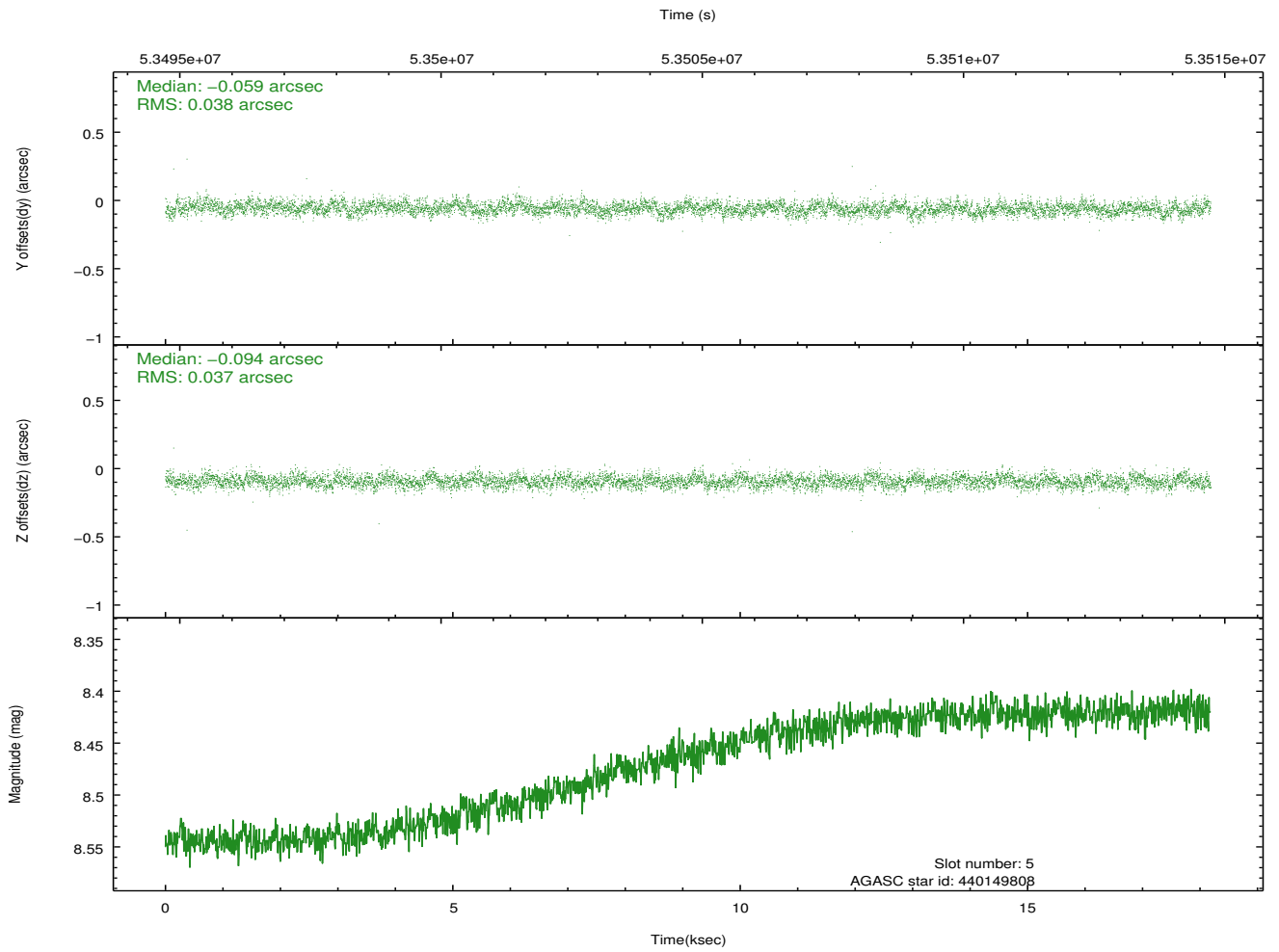
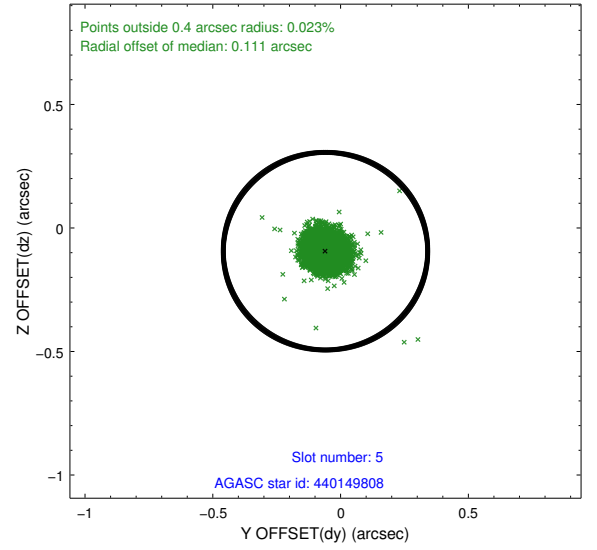
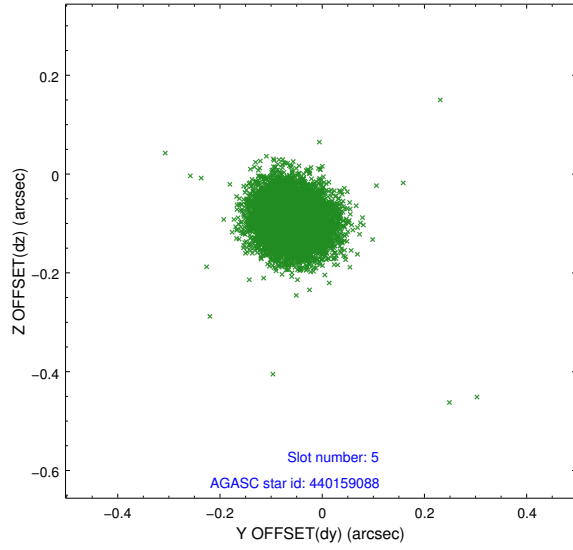
2.4.1 Slot 3



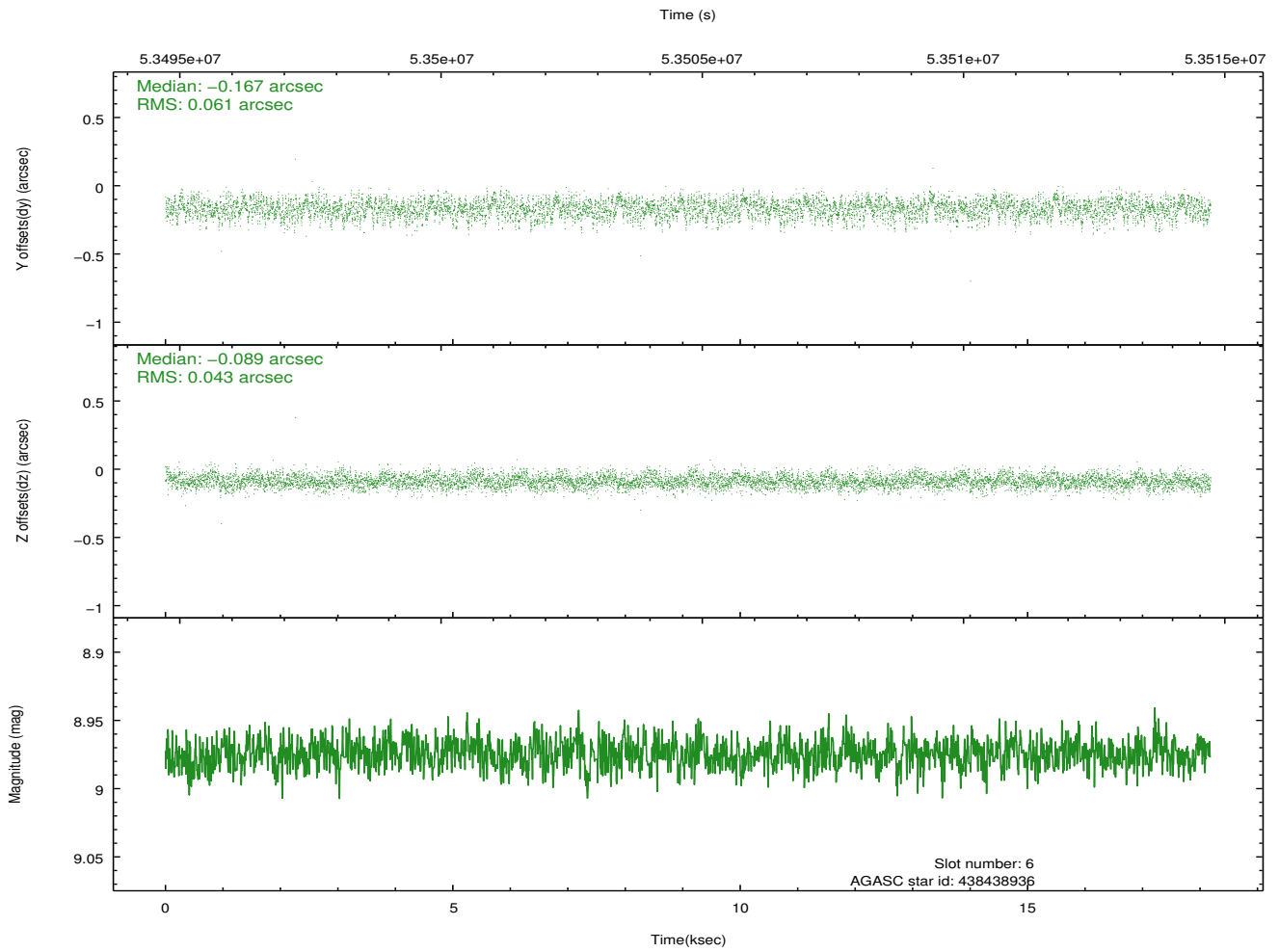
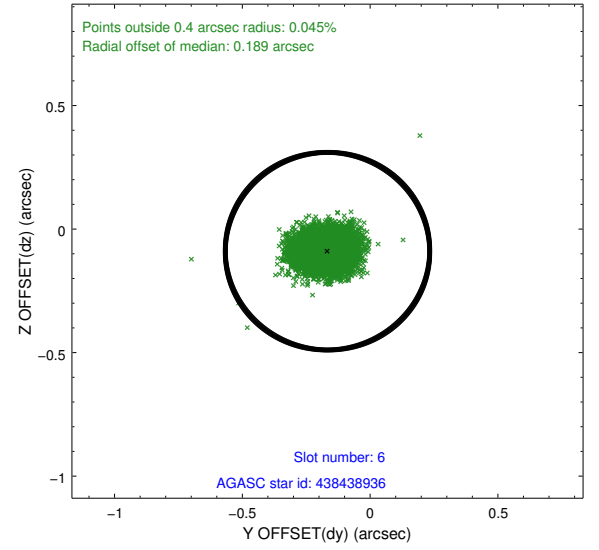
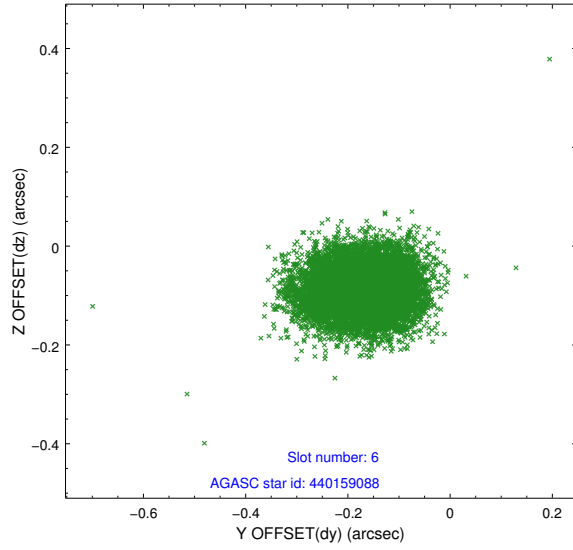
2.4.2 Slot 4



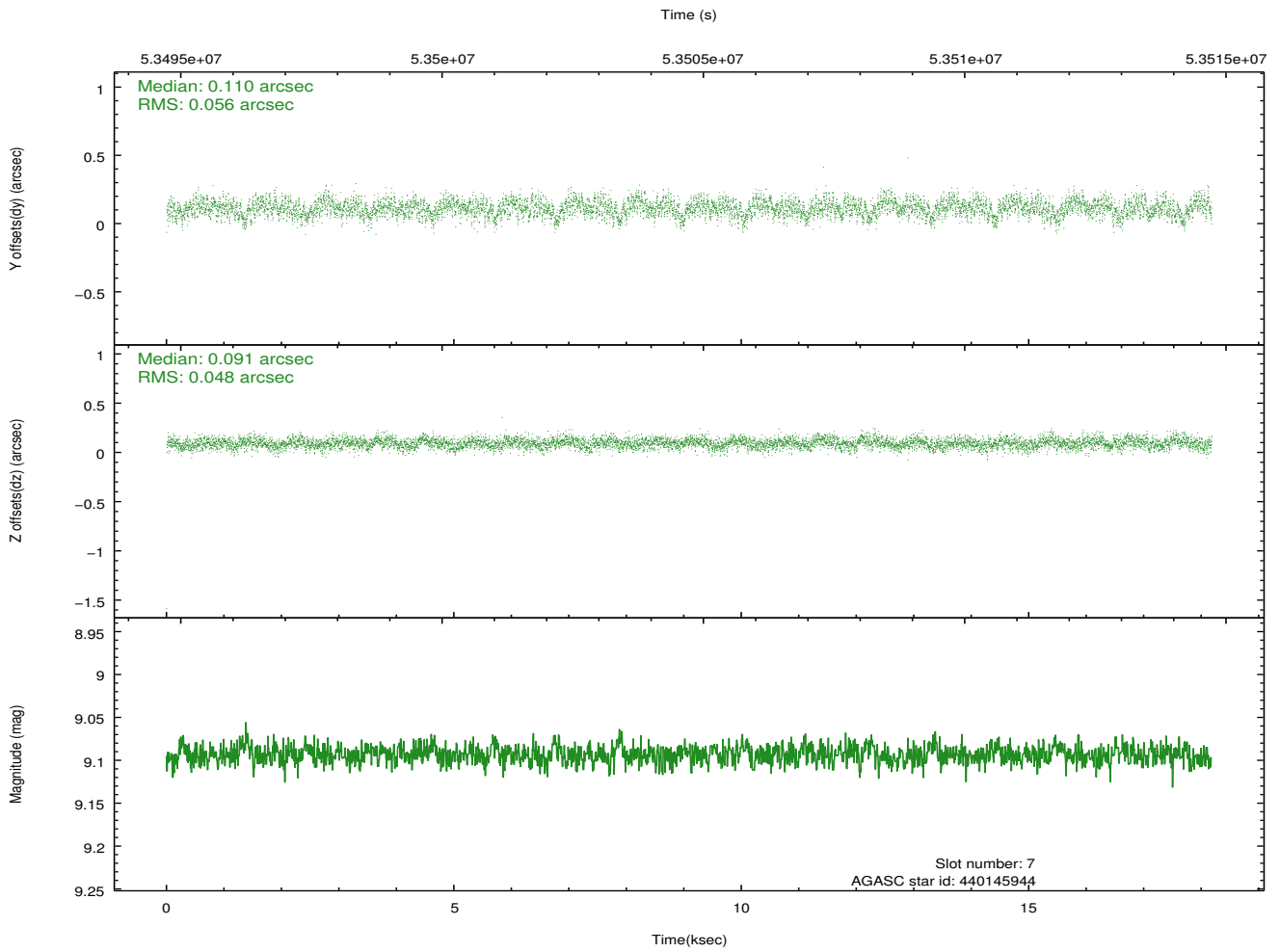
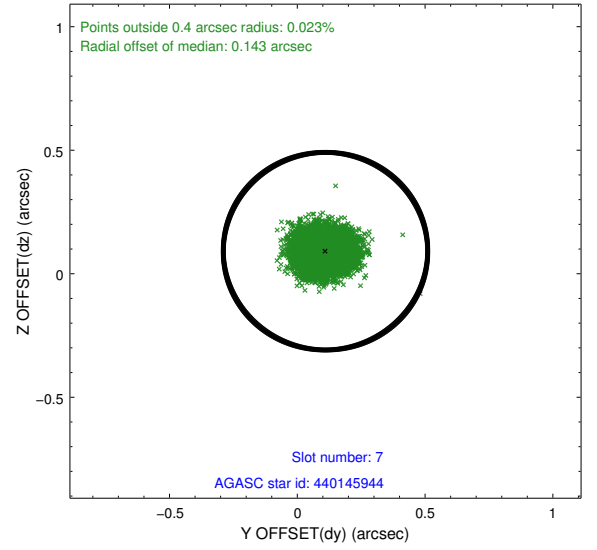
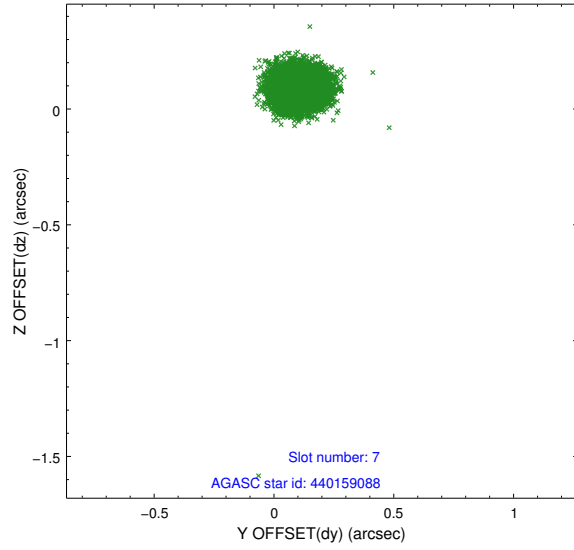
2.4.3 Slot 5



2.4.4 Slot 6

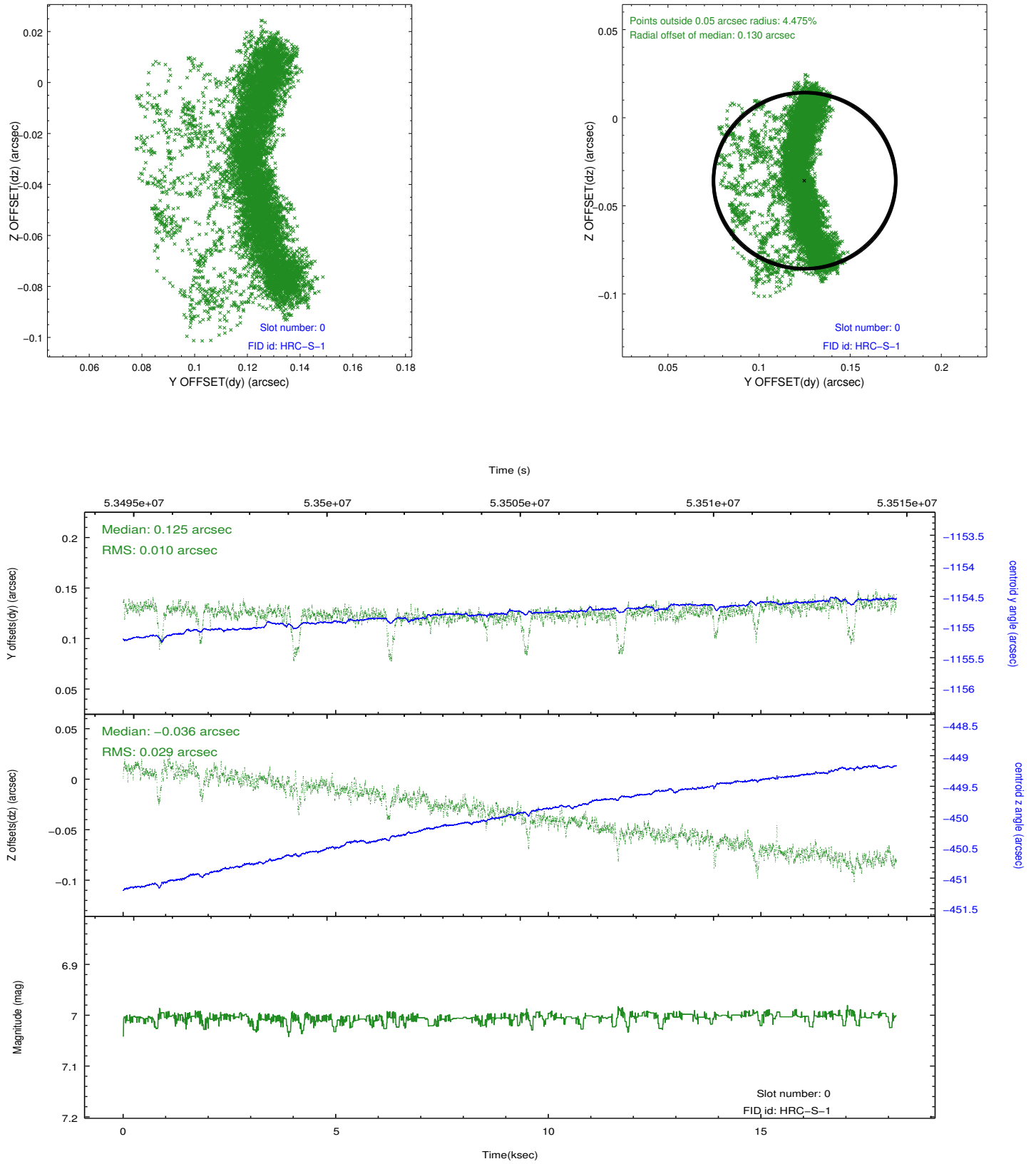


2.4.5 Slot 7

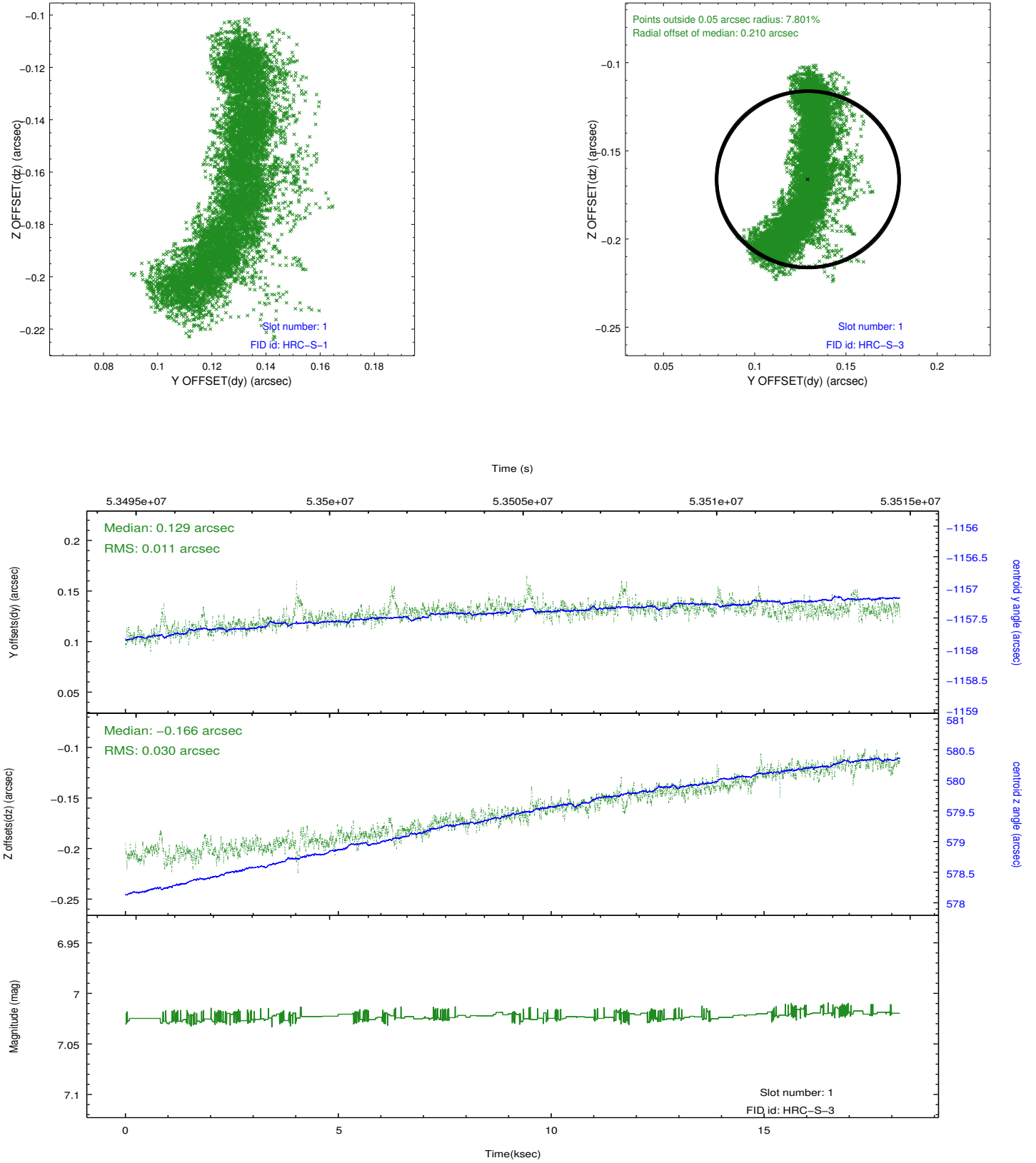


2.5 FID Slots

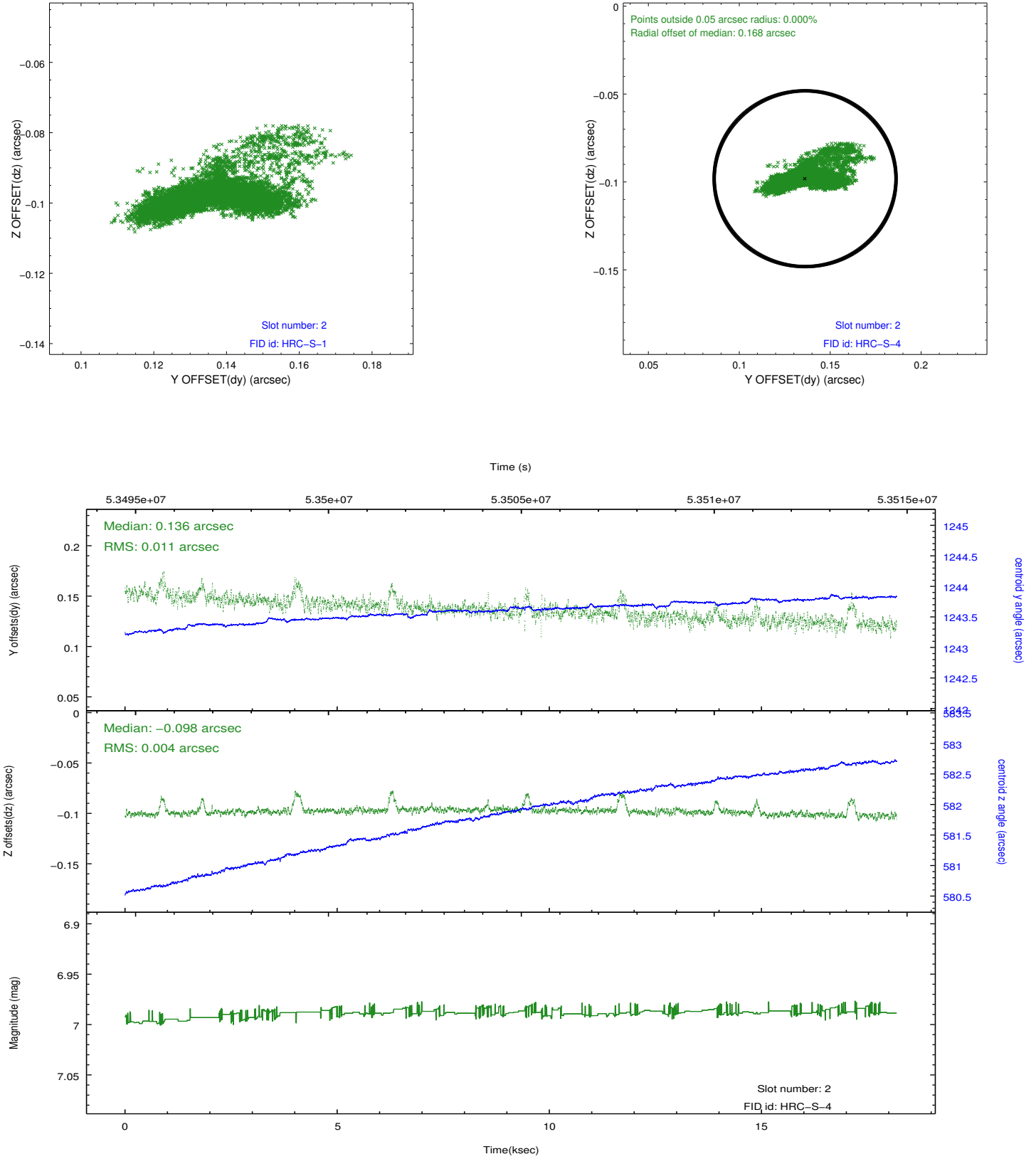
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

14.32 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.318

A.2 Comments

Spacecraft was accidentally left in Format 2 (ACIS mode) during this observation.

Therefore the observation was carried out as Next-In-Line.

Also, the LETG grating was not inserted as planned.

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62426 the placement observation HRC-S Capella with grating inserted.