

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15406 - L2 Version 2
Chandra X-Ray Center

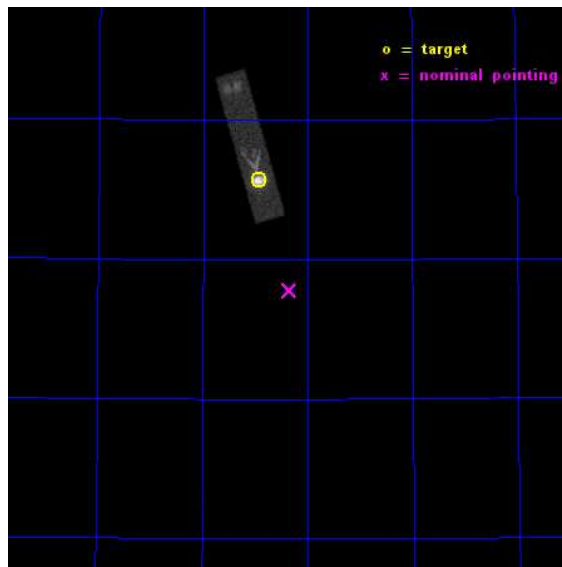
L2 Processing Date : Dec 1 2014

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1 Front

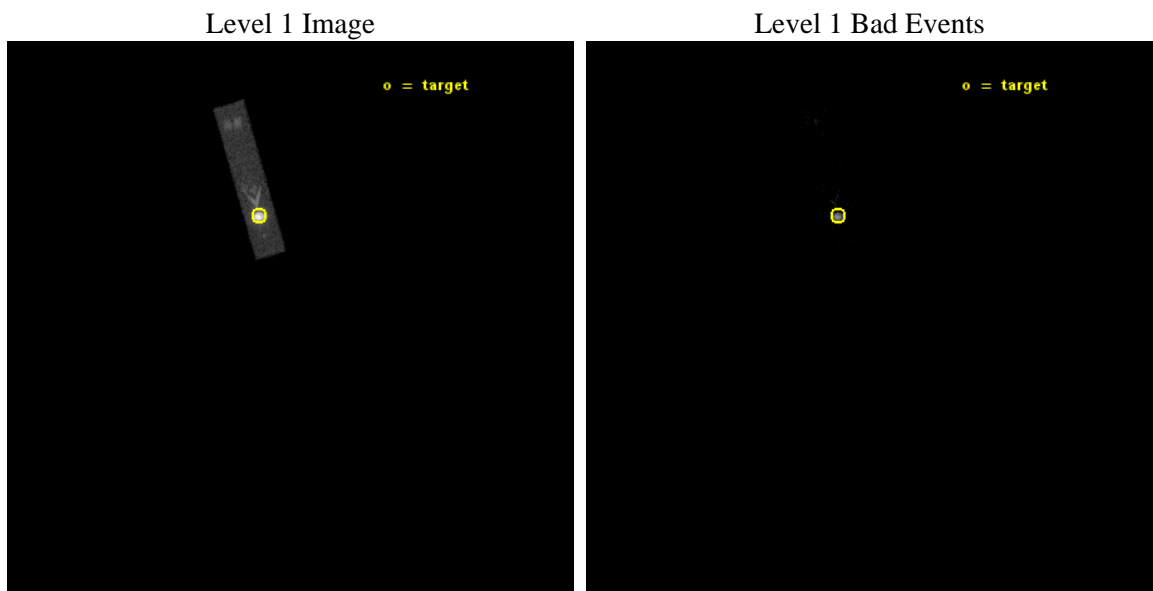
seq_num	291085	Sequence number
obs_id	15406	Observation id
title	AO-14 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.08680539657	Nominal RA [deg]
dec_nom	38.389509227378	Nominal Dec [deg]
roll_nom	73.607466968885	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1190.2813143134	[s]
liveltime	488.04340392479	Ontime multiplied by DTCOR
l2events	211593	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	1190.2813143134	[s]
caldbver	4.6.4	 	l1events	253226	Number of level 1 events
date	2014-12-02T01:00:17	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

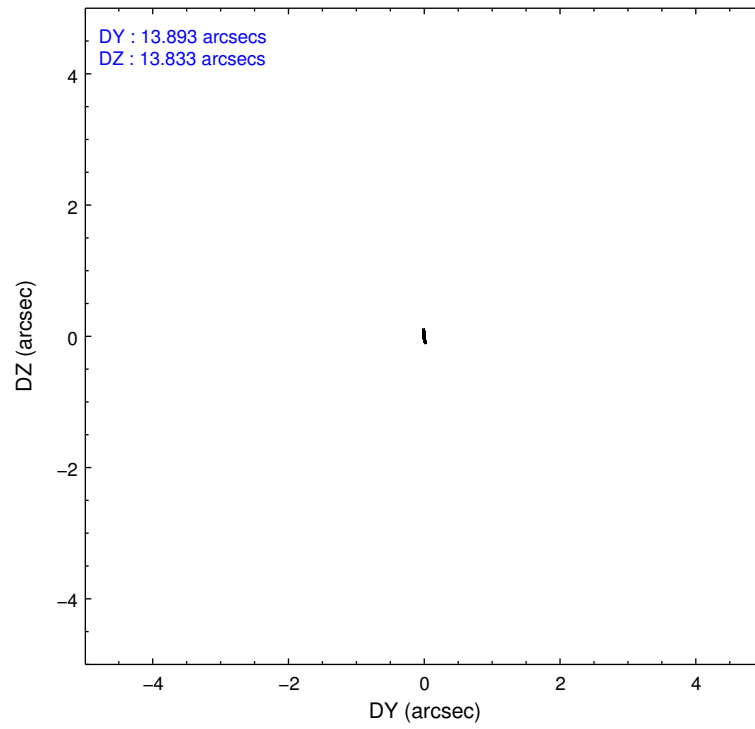
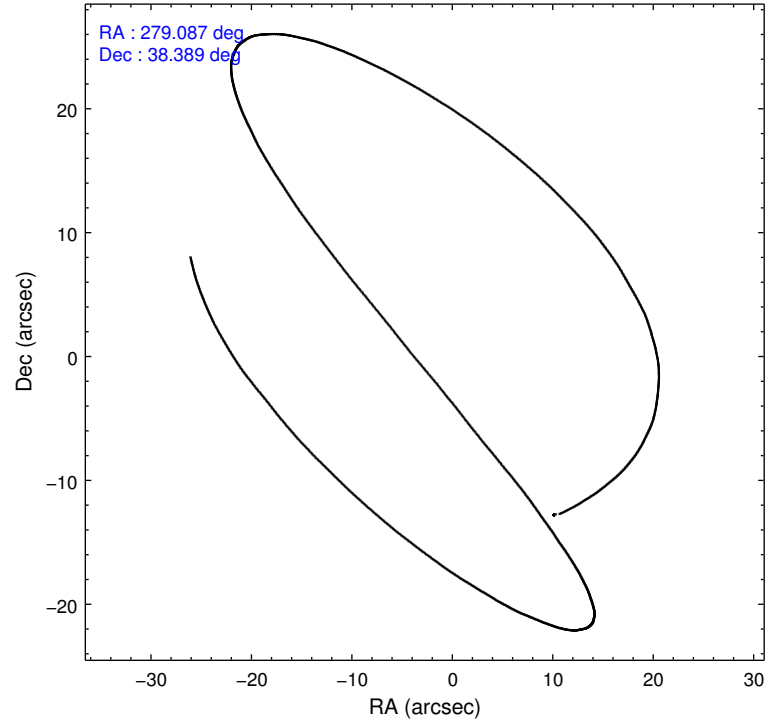
	segment 1	segment 2	segment 3
level 1 events	0	16	253210
rejected events	0	5	33747
rejected %	0%	31%	13%

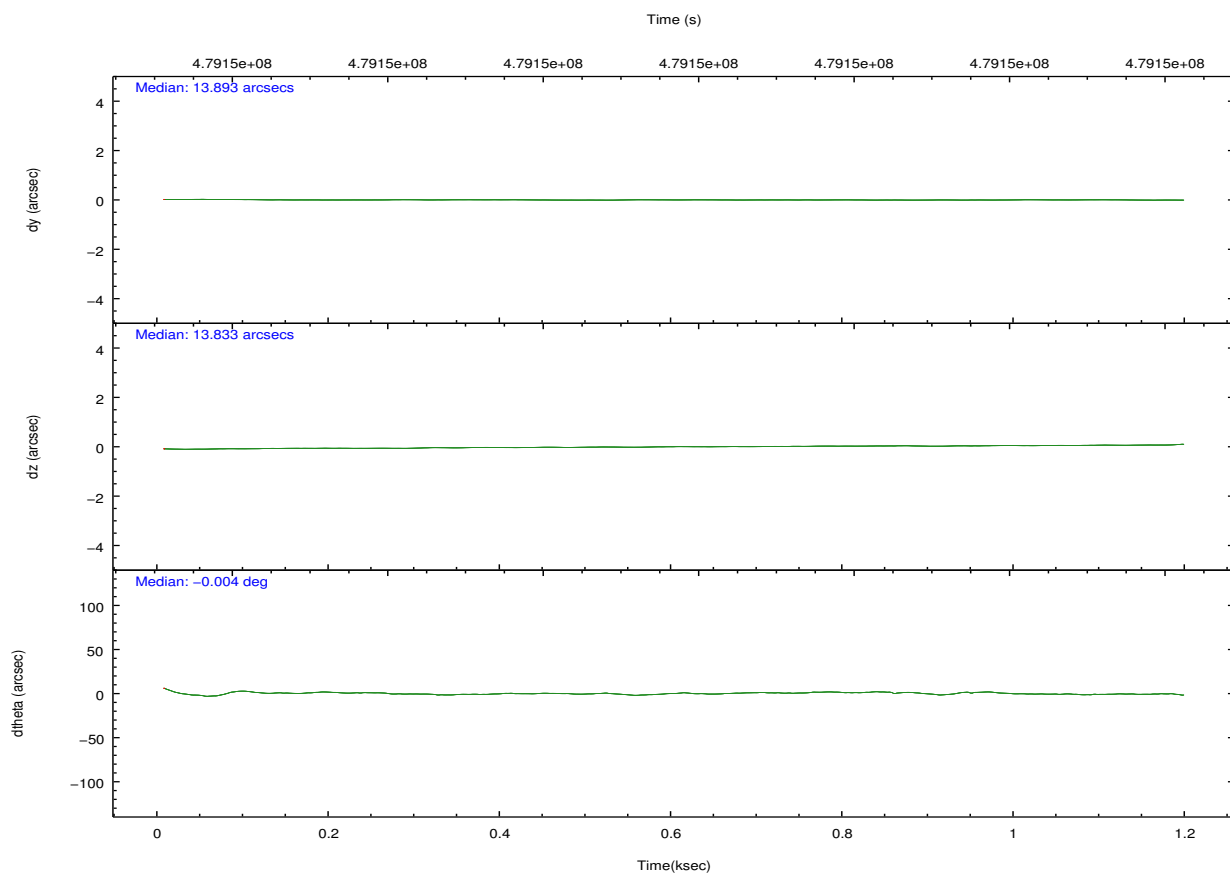
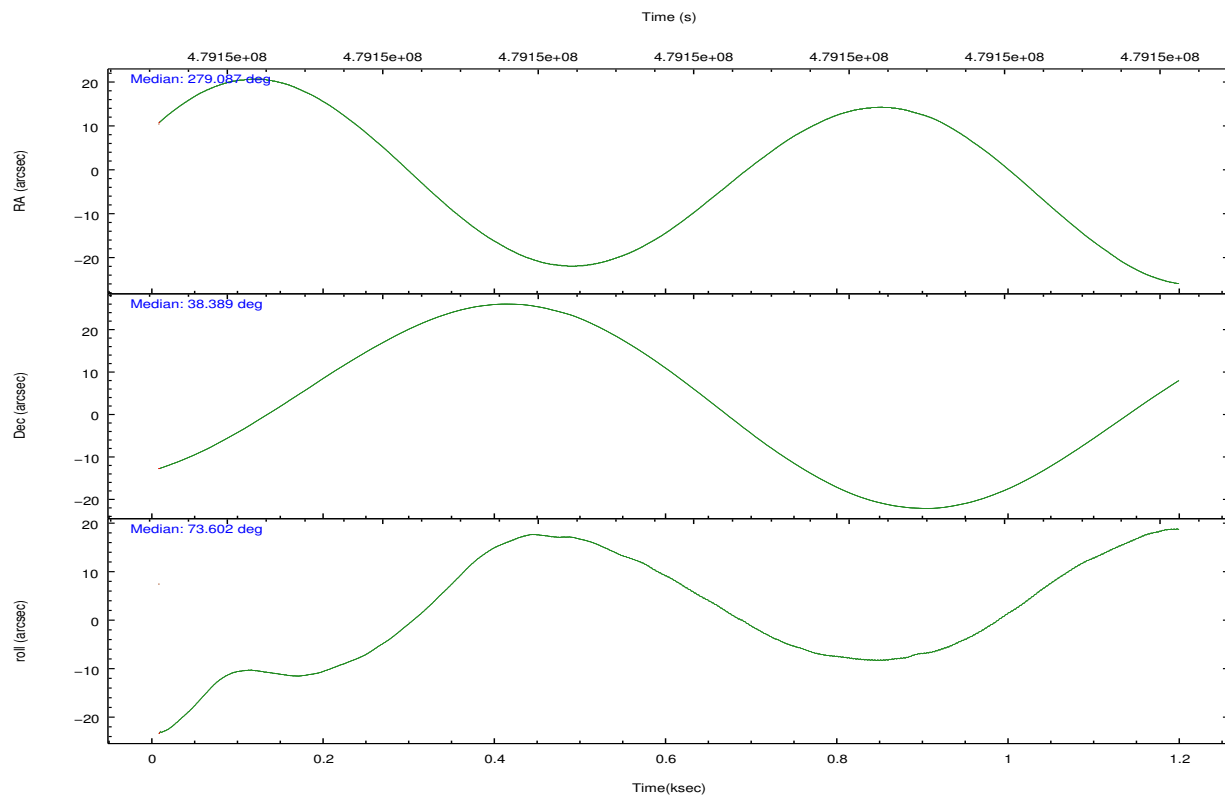
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.096571	279.0868053965747
[deg] Pointing Dec	38.362268	38.3895092273785
[deg] Pointing Roll	73.534254	73.60746696888457
[s] Window start time (MET)	478483267.184000	478483267.184000
[s] Window stop time (MET)	483667267.184000	483667267.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	479149575.184000	479149199.37748
Observation start date	2013-03-08T17:05:08	2013-03-08T16:59:59
[s] Observation end time (MET)	479150575.184000	479150751.74006
Observation end date	2013-03-08T17:21:48	2013-03-08T17:25:51

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



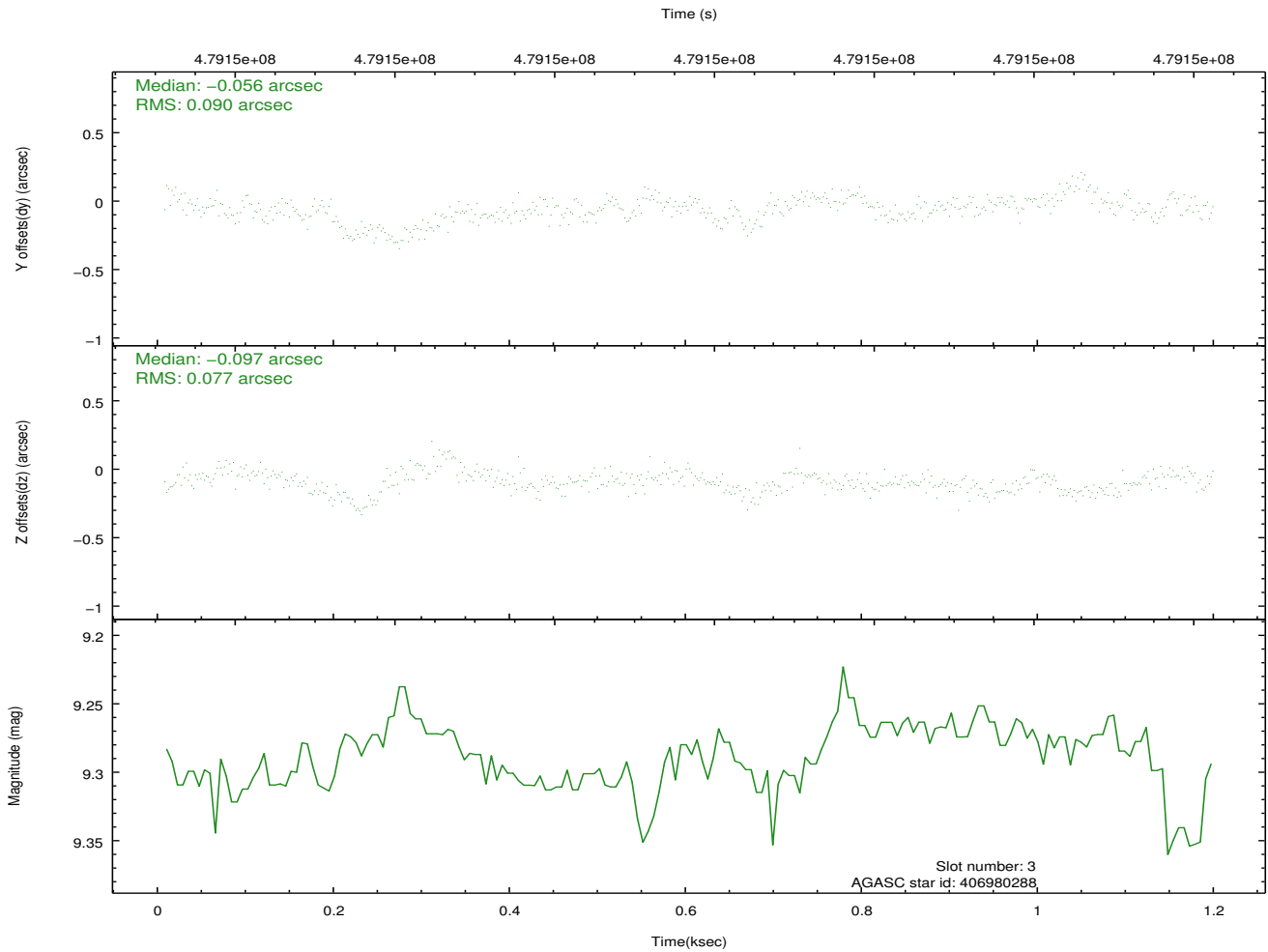
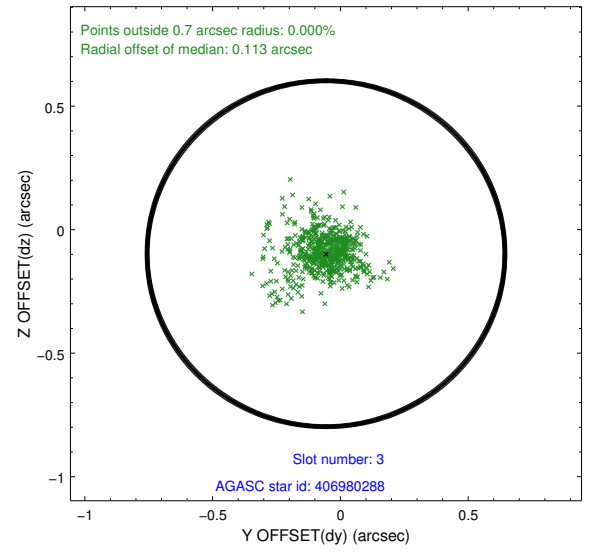
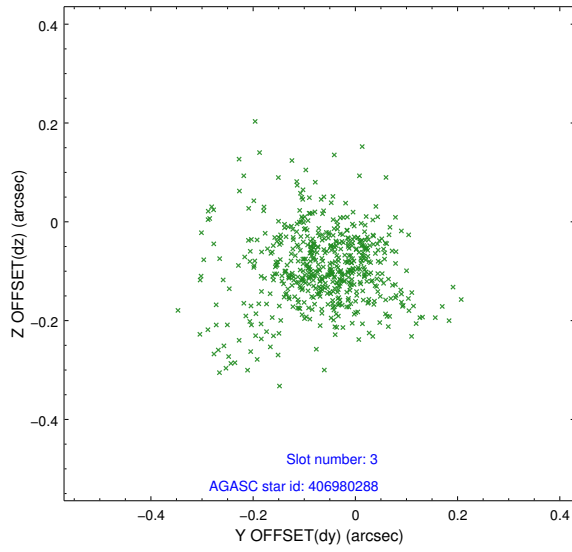


Slot Statistics

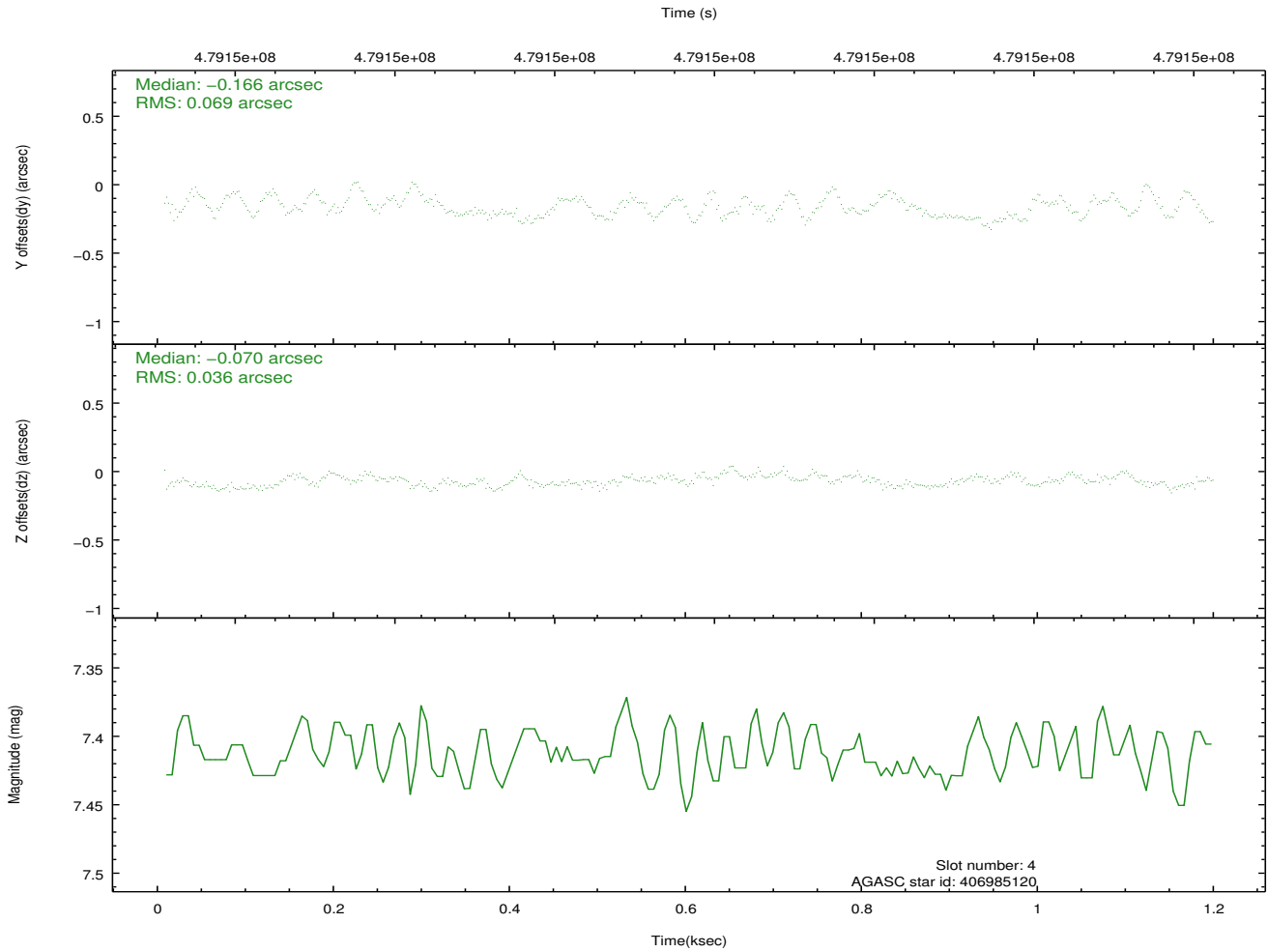
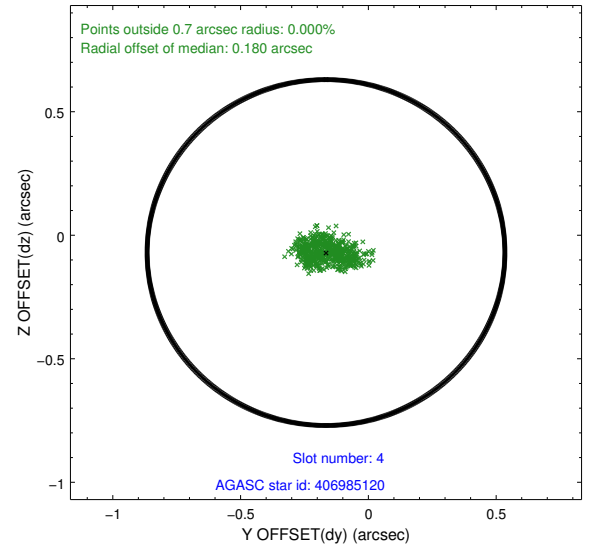
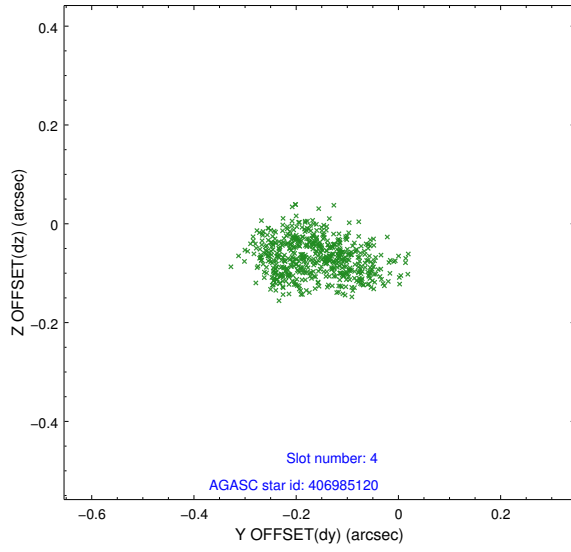
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.00	291	-0.001	-0.151	0.005	0.010	0.000000	0.000000	-1168.34	-462.63
1	FID		HRC-S-2	6.98	291	0.156	-0.085	0.011	0.019	0.000000	0.000000	1227.46	-456.79
2	FID		HRC-S-4	6.94	291	0.249	-0.067	0.011	0.017	0.000000	0.000000	1234.36	567.97
3	GUIDE	used	406980288	9.29	582	-0.056	-0.097	0.113	0.243	278.903147	39.061646	2265.96	1233.46
4	GUIDE	used	406985120	7.41	582	-0.166	-0.070	0.084	0.128	278.839732	38.894839	1639.89	1238.16
5	GUIDE	used	406987272	6.94	582	-0.015	-0.232	0.064	0.100	278.536588	38.437504	-179.40	1596.94
6	GUIDE	used	406989616	8.22	582	0.097	0.221	0.069	0.120	279.202881	38.520843	632.93	-120.18
7	GUIDE	used	406993992	7.63	581	0.146	0.176	0.085	0.148	279.053714	38.034587	-1163.87	-216.47

2.4 Star Slots

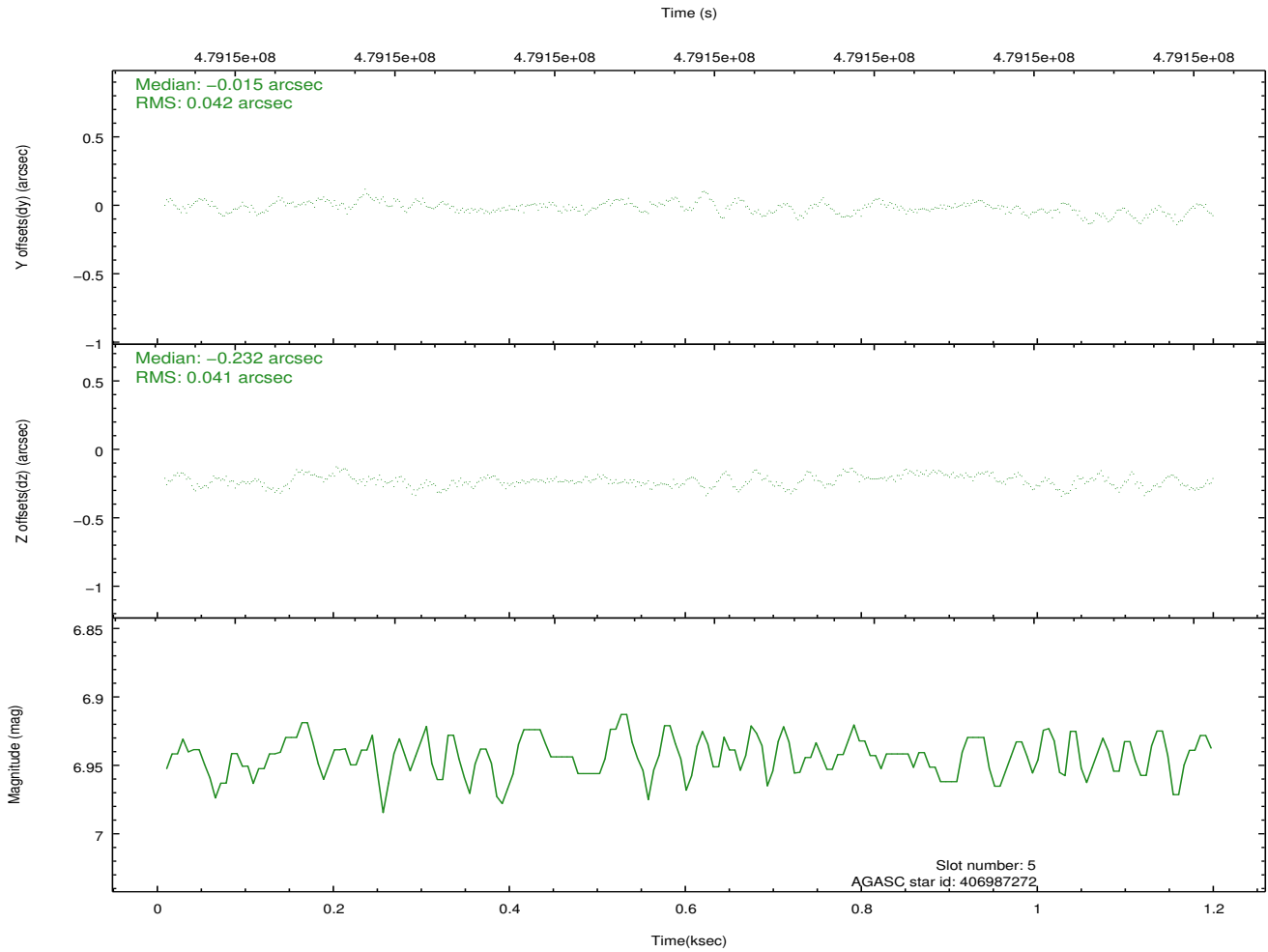
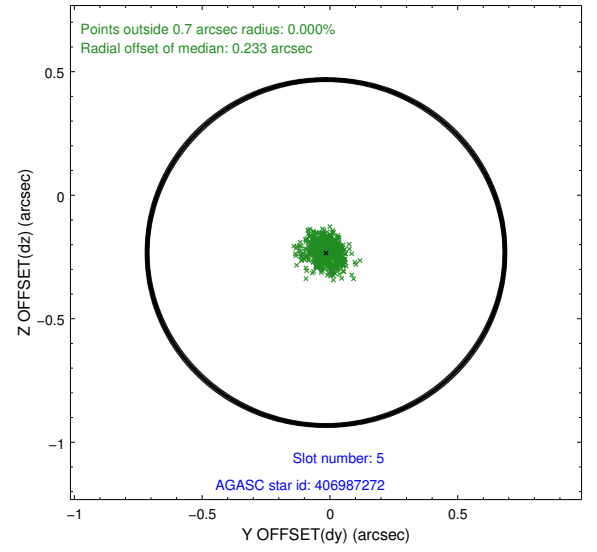
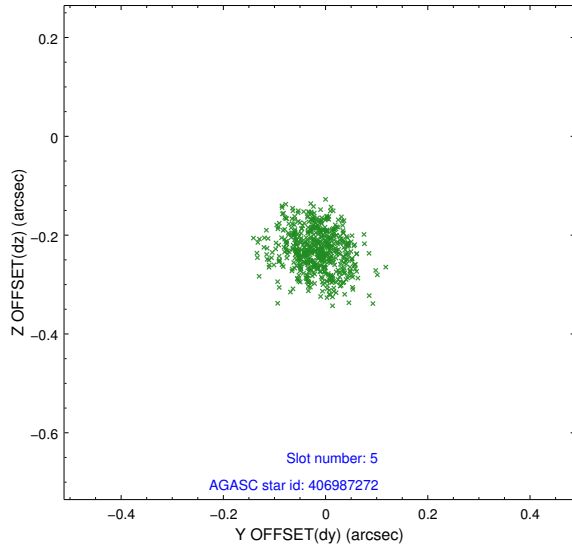
2.4.1 Slot 3



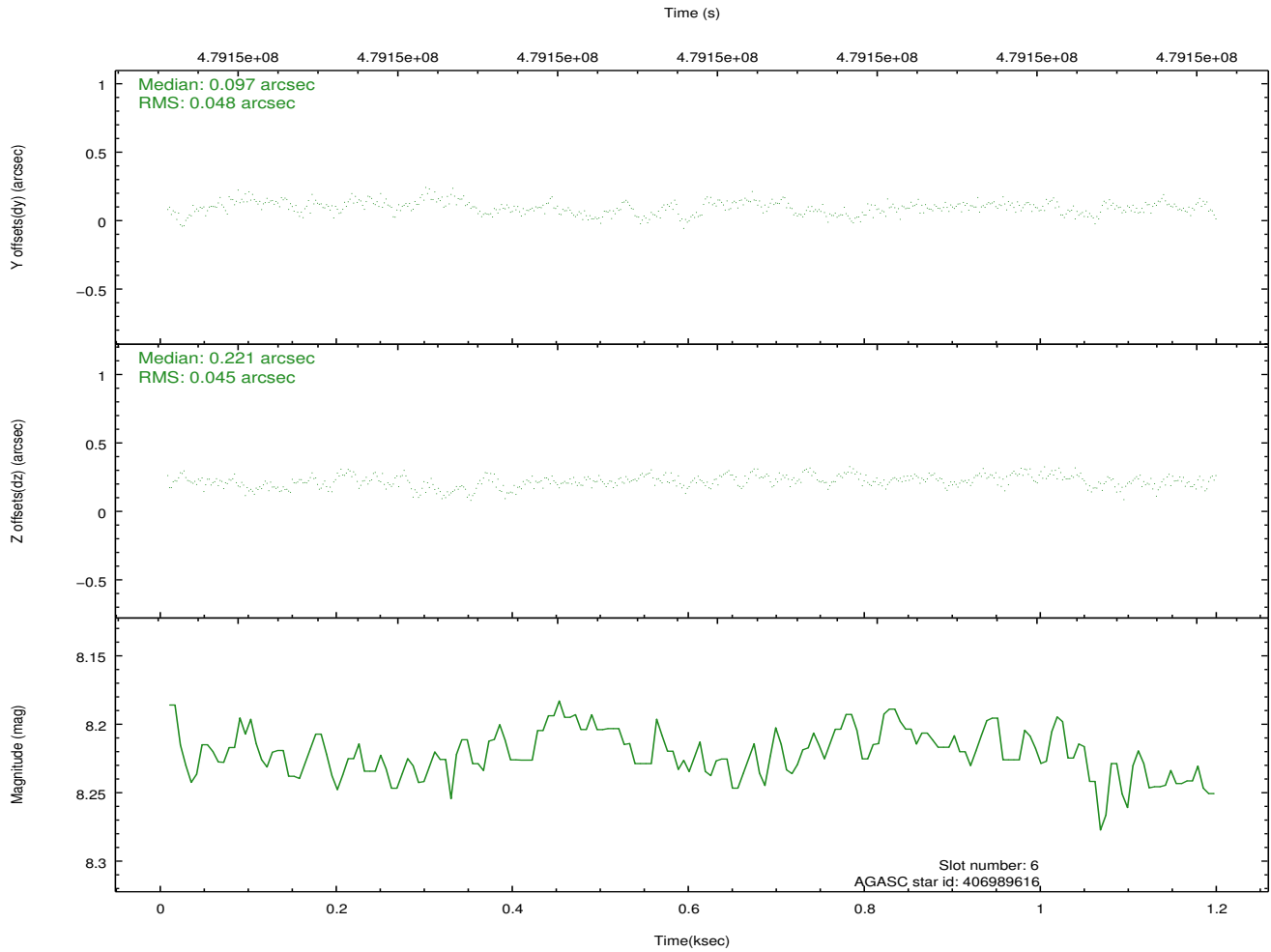
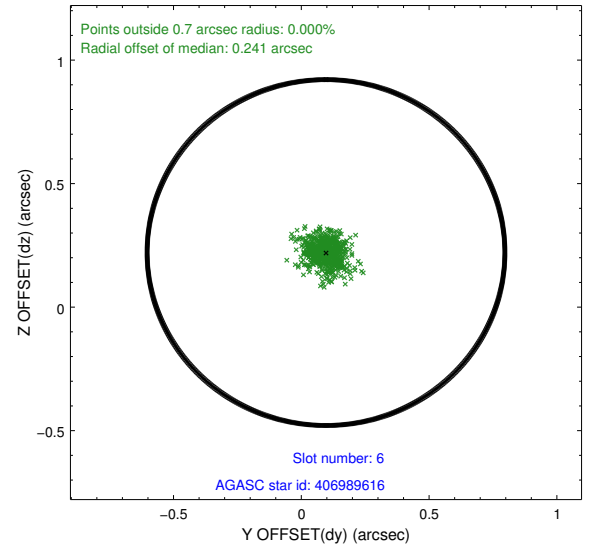
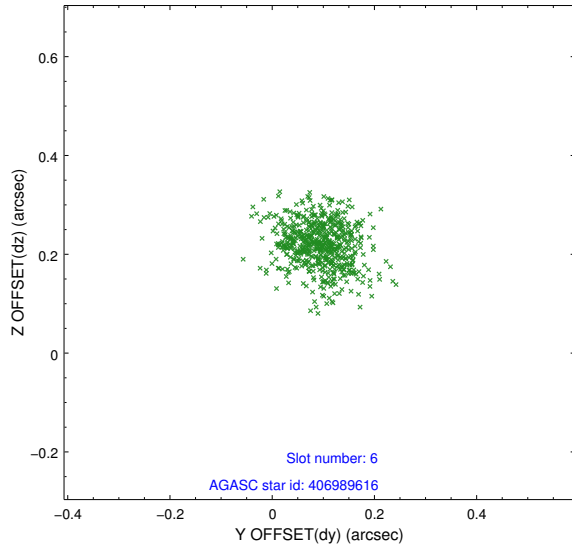
2.4.2 Slot 4



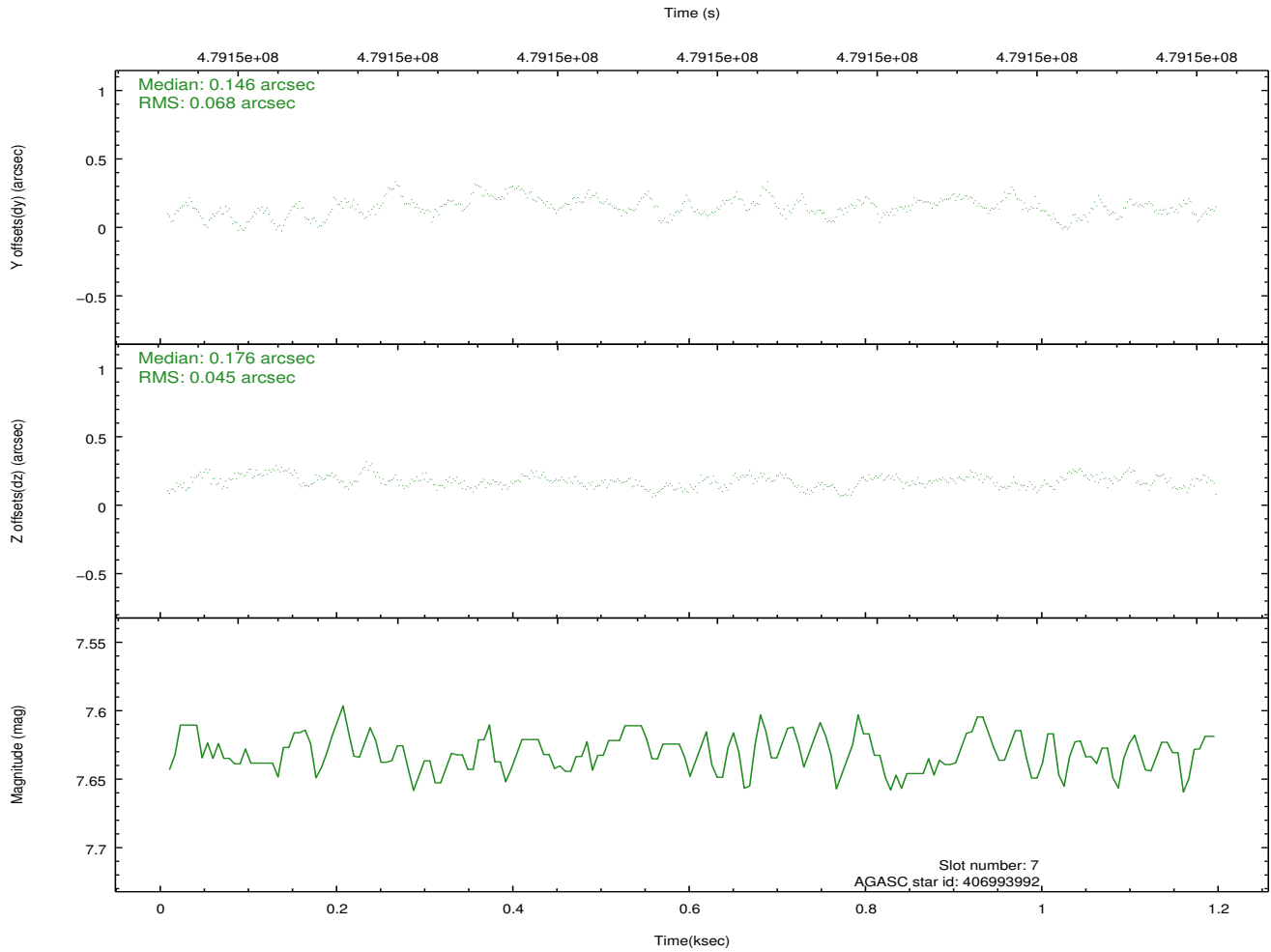
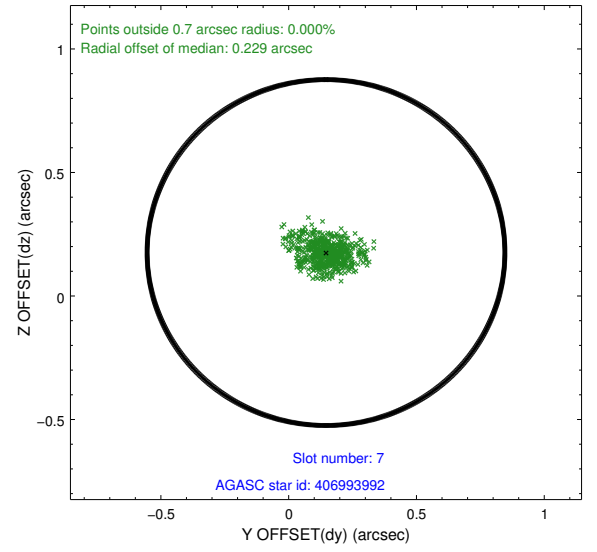
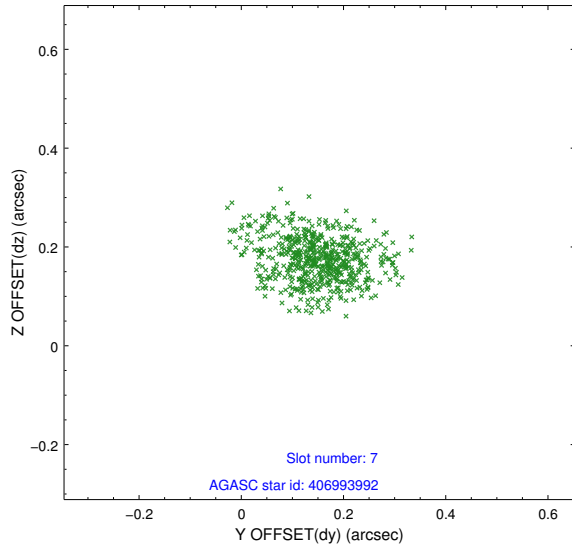
2.4.3 Slot 5



2.4.4 Slot 6

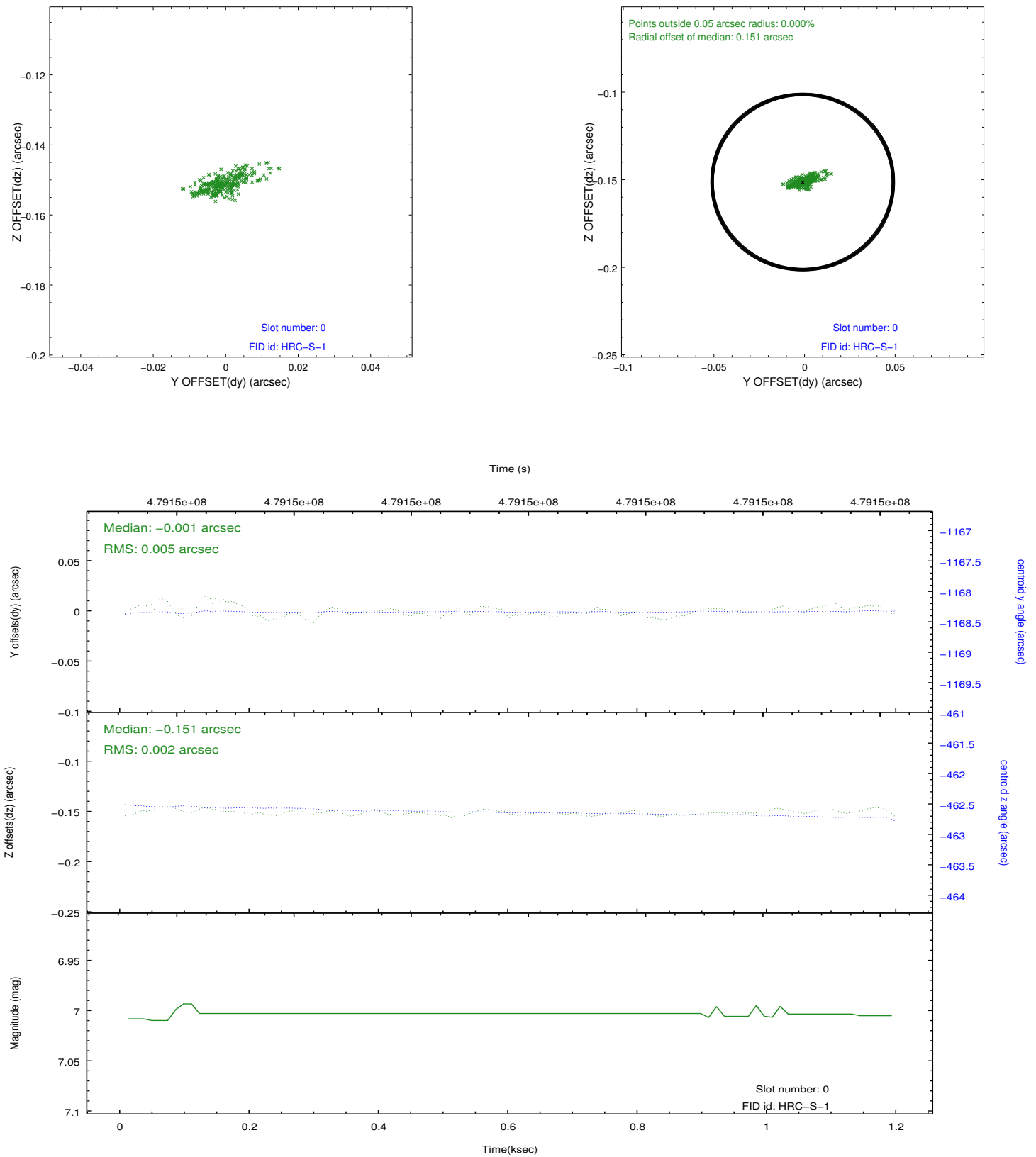


2.4.5 Slot 7

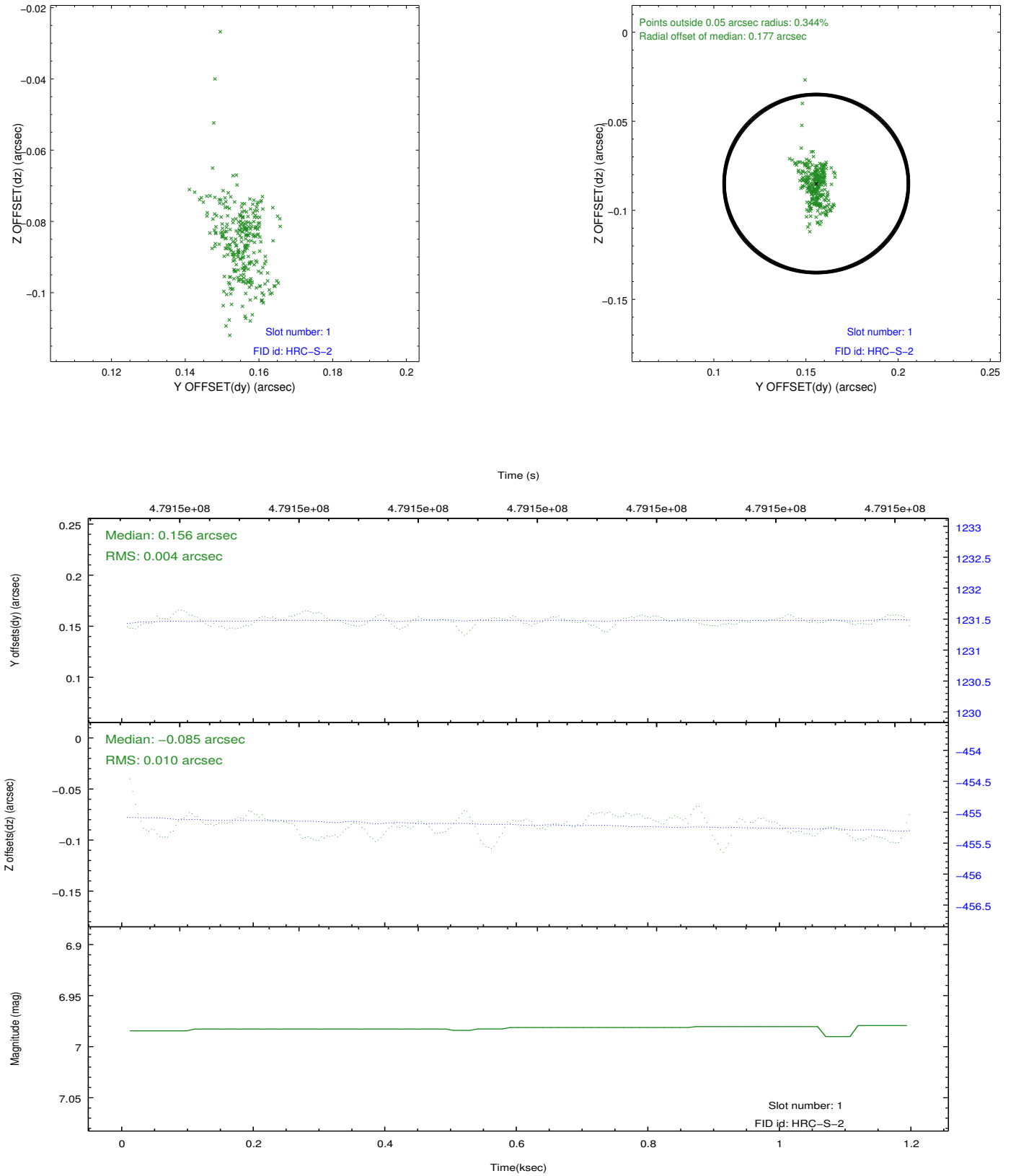


2.5 FID Slots

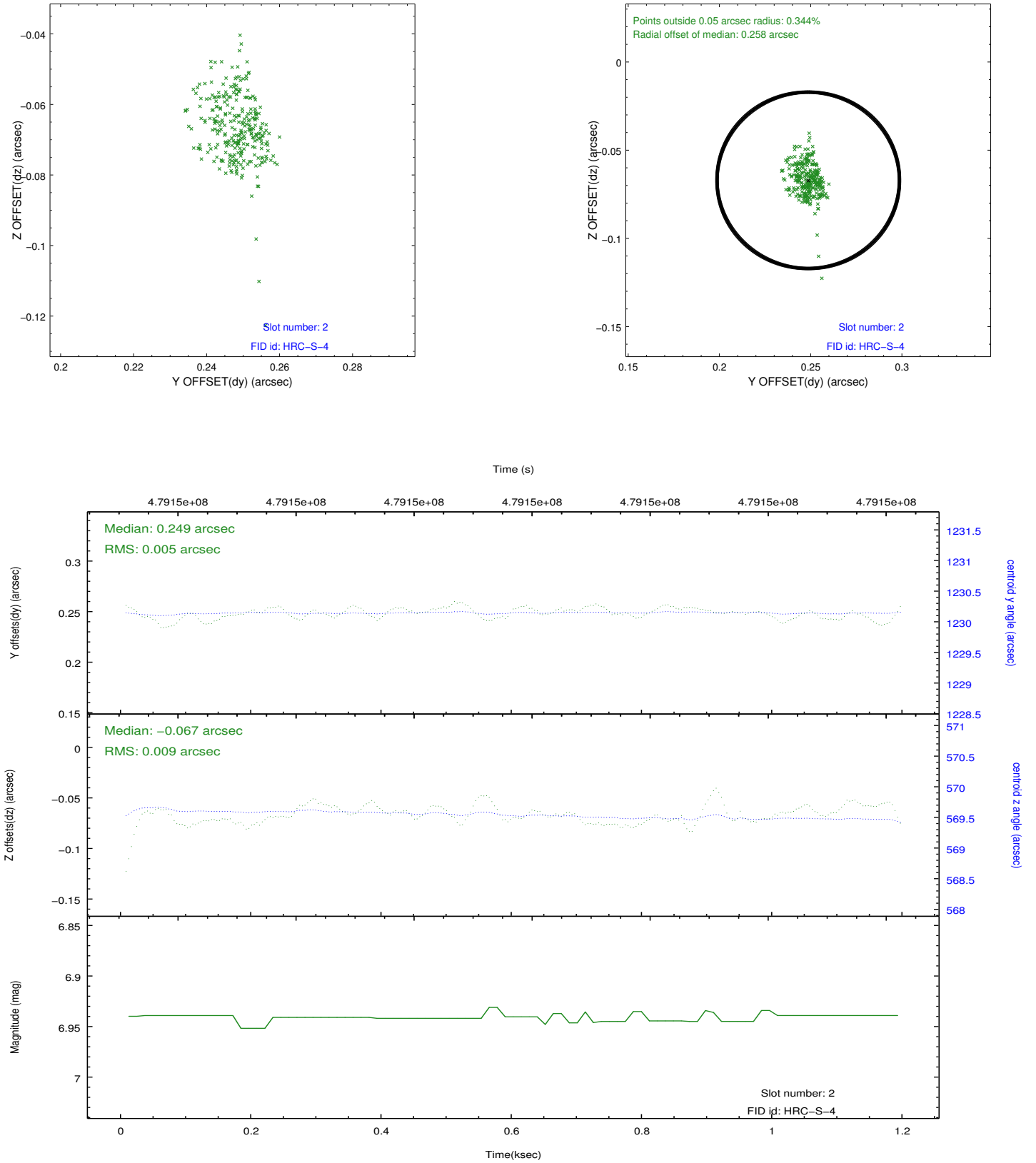
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813143134

A.2 Comments

Window preference met.

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.