

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 14192 - L2 Version 2
Chandra X-Ray Center

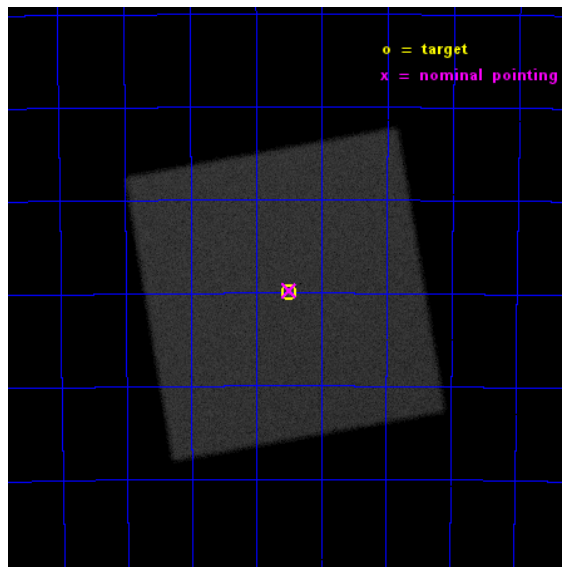
L2 Processing Date : Nov 30 2014

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1 Front

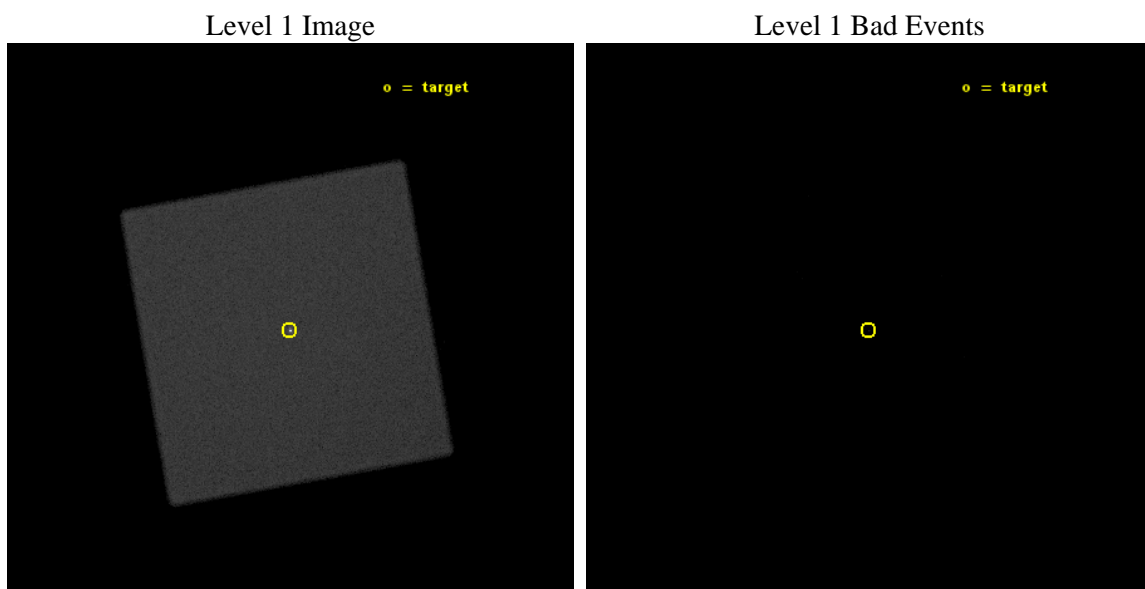
seq_num	200822	Sequence number
obs_id	14192	Observation id
title	Alpha Cen: Climbing out of a Coronal Recession?	Proposal title
observer	Dr. Thomas Ayres	Principal investigator
object	ALPHA CEN	Source name
ra_targ	219.874167	Observer's specified target RA [deg]
dec_targ	-60.833139	Observer's specified target Dec [deg]
ra_nom	219.87239266008	Nominal RA [deg]
dec_nom	-60.829077911228	Nominal Dec [deg]
roll_nom	125.07310398267	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10148.653672636	[s]
livetime	10063.477598245	Ontime multiplied by DTCOR
l2events	651498	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	10148.781796753	[s]
caldbver	4.6.4	 	l1events	964850	Number of level 1 events
date	2014-11-30T10:22:46	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

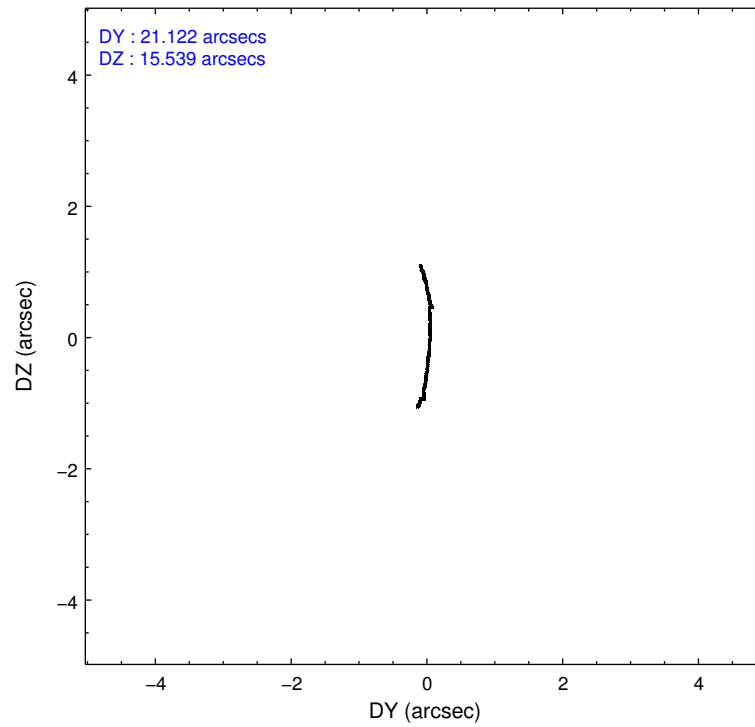
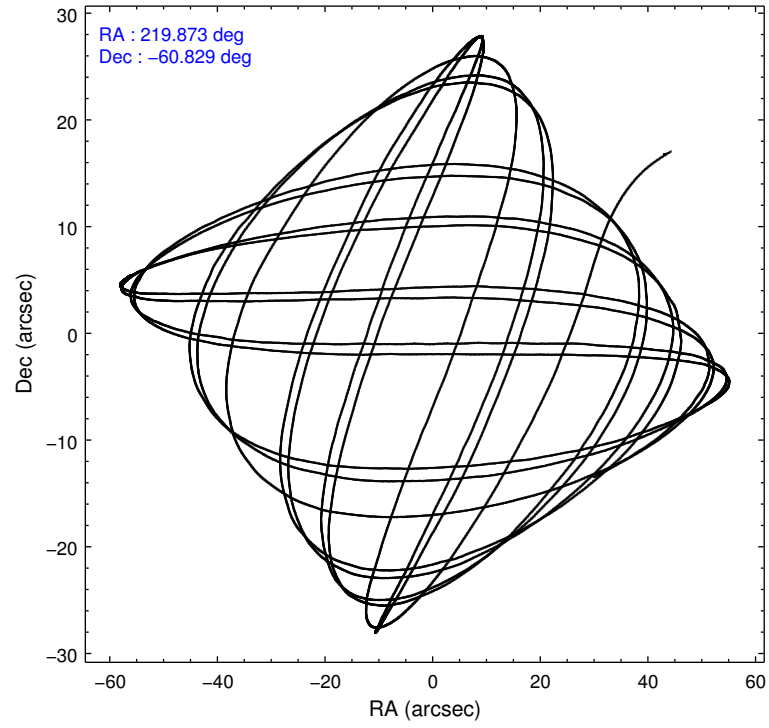
	segment 0
level 1 events	964850
rejected events	86095
rejected %	8%

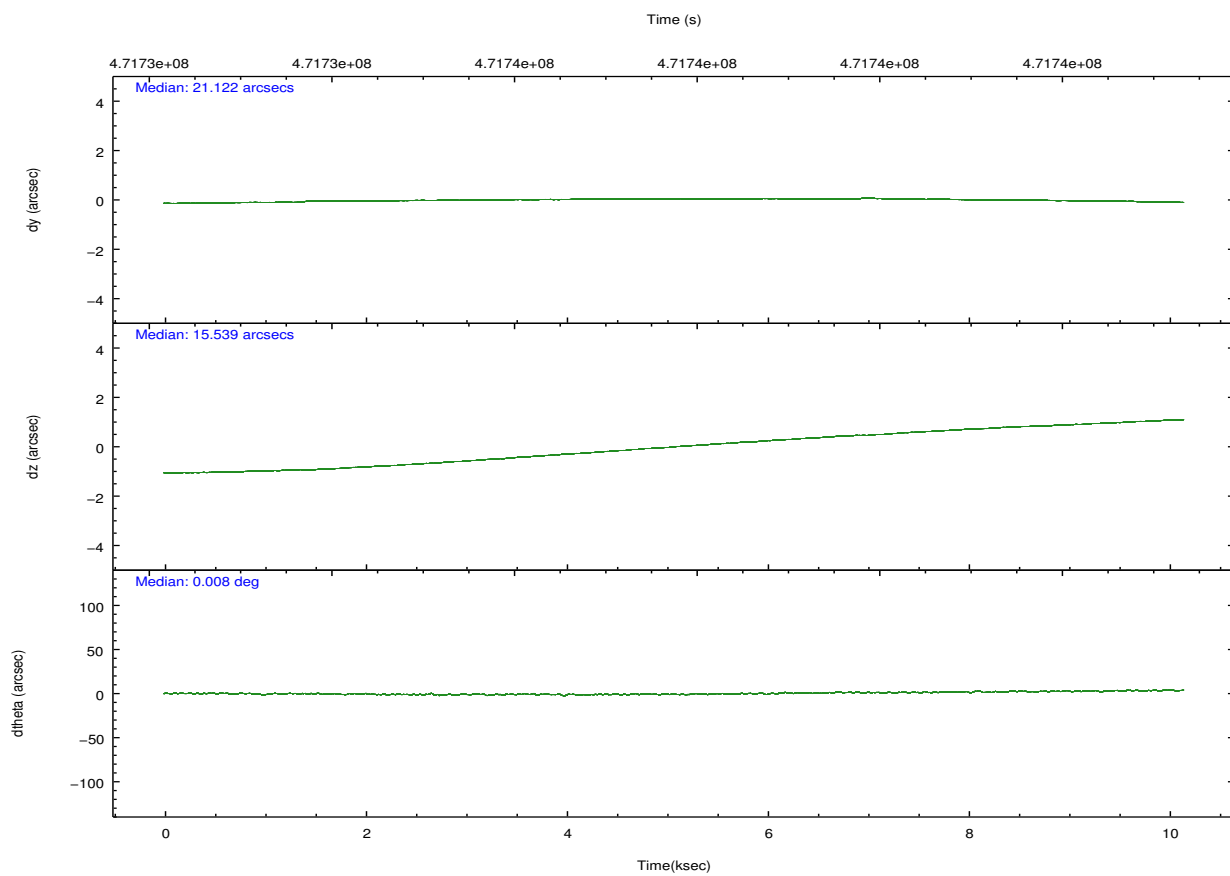
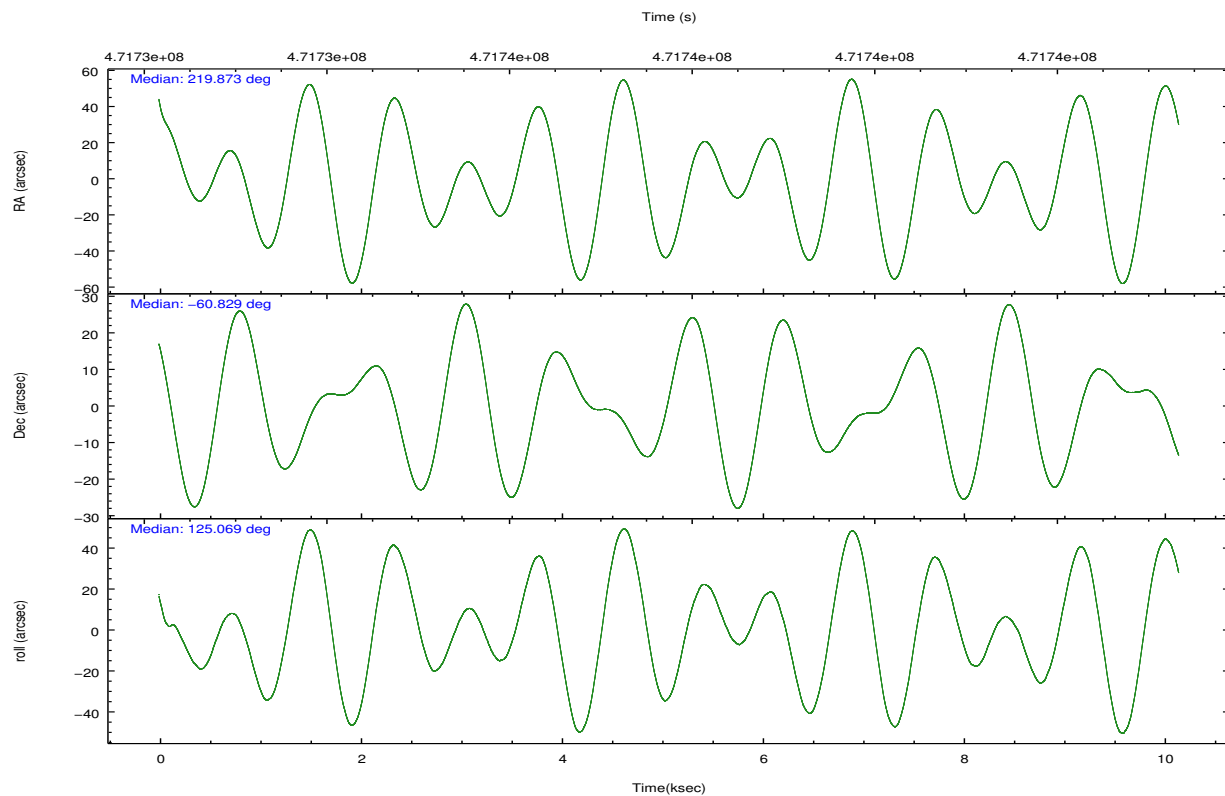
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	219.923303	219.8723926600771
[deg] Pointing Dec	-60.839901	-60.82907791122799
[deg] Pointing Roll	125.213063	125.0731039826726
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	471732804.184000	471731636.82719
Observation start date	2012-12-12T20:52:17	2012-12-12T20:33:56
[s] Observation end time (MET)	471742804.184000	471743032.7778
Observation end date	2012-12-12T23:38:57	2012-12-12T23:43:52

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

2.3 Aspect



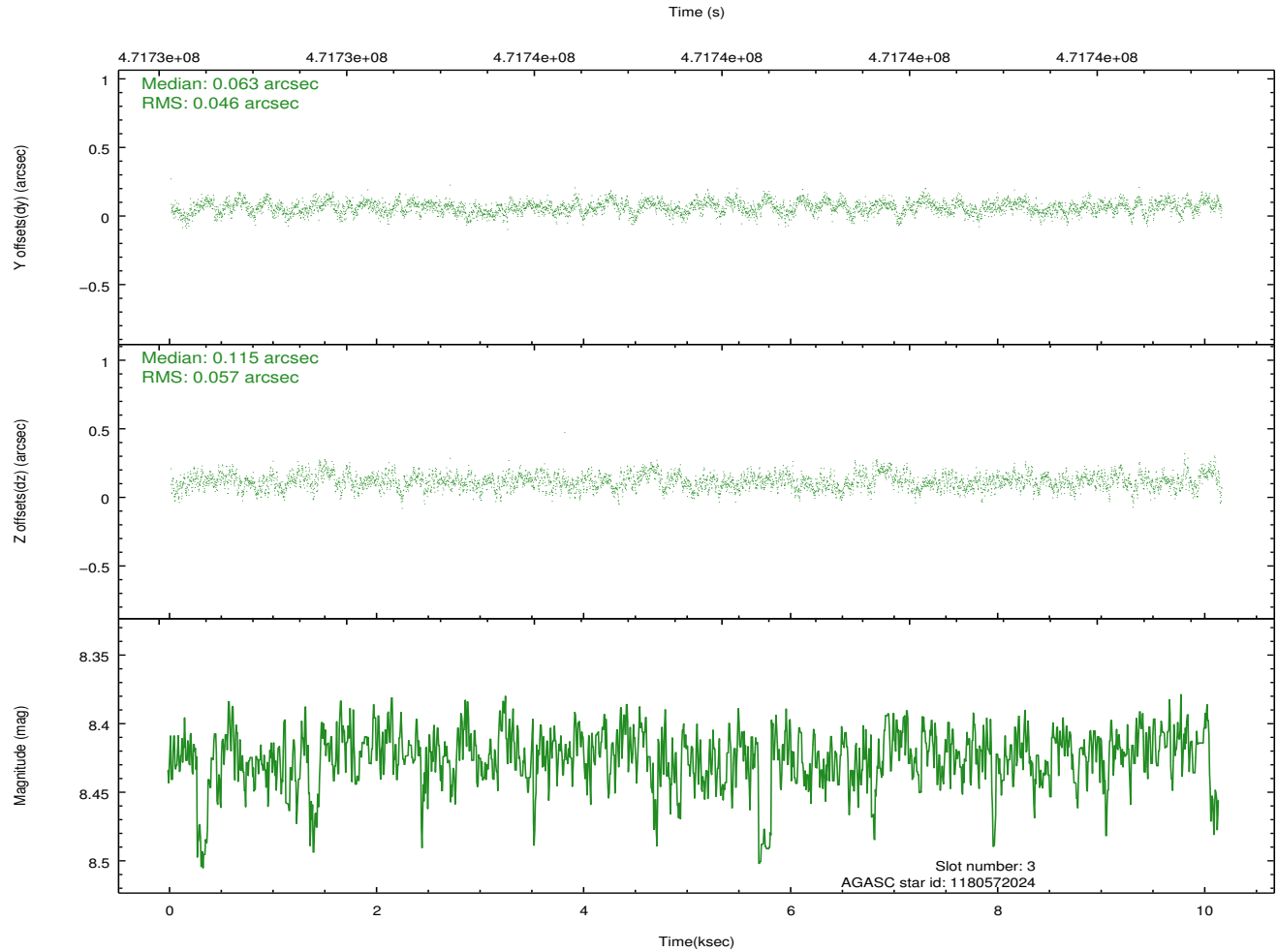
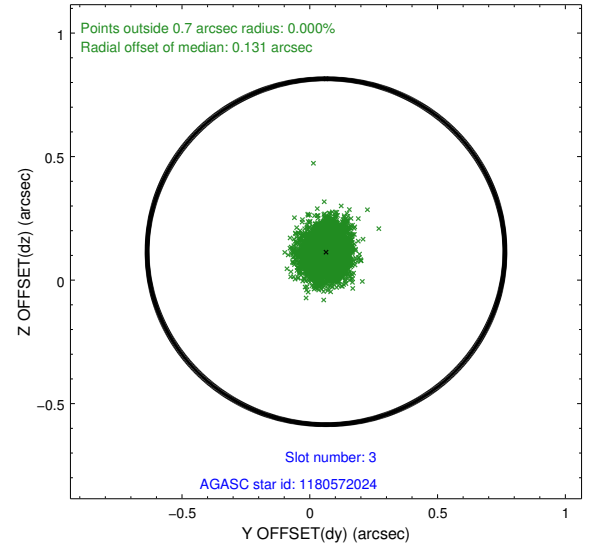
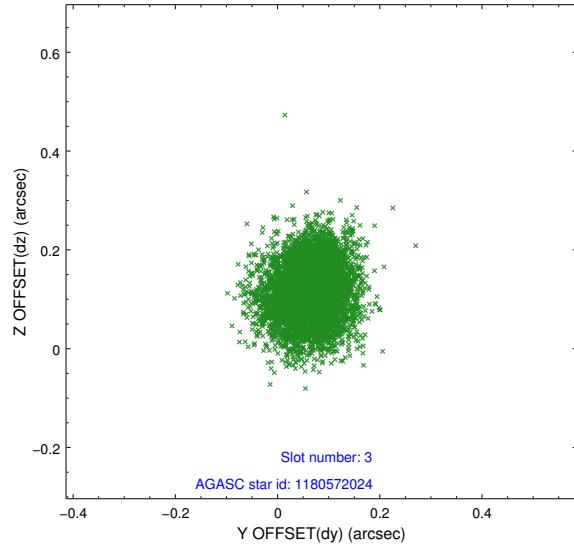


Slot Statistics

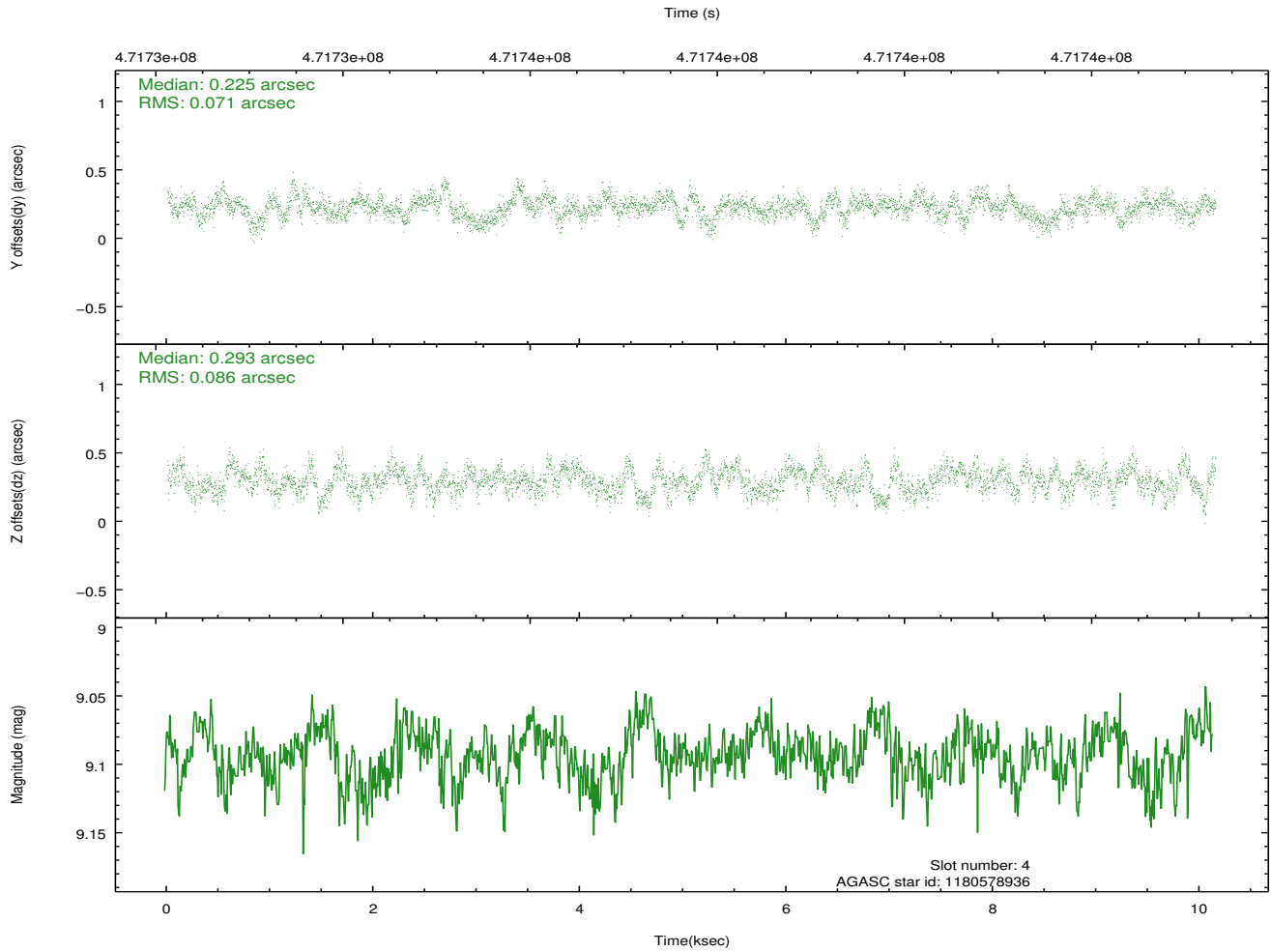
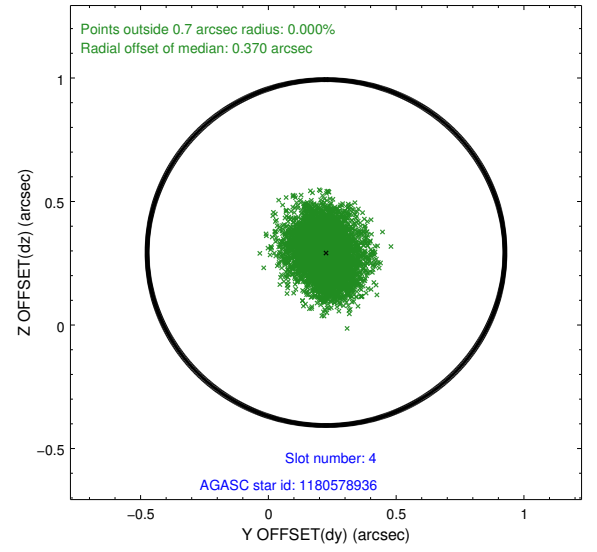
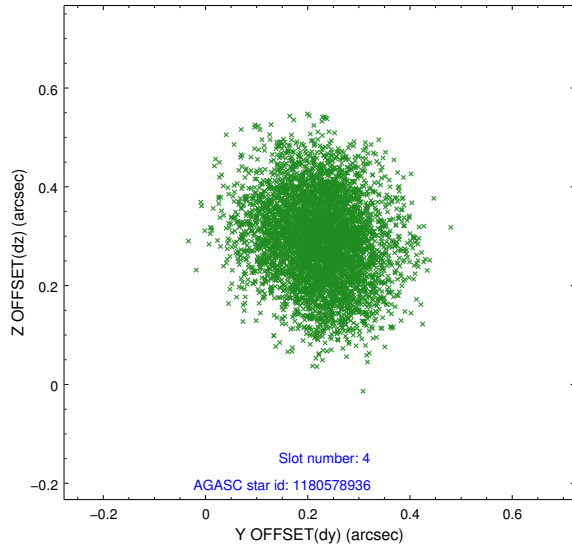
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.97	2476	-0.102	-0.003	0.014	0.026	0.000000	0.000000	-777.18	-1303.62
1	FID		HRC-I-2	7.00	2476	0.207	-0.062	0.015	0.040	0.000000	0.000000	835.45	-1305.78
2	FID		HRC-I-3	7.06	2475	0.017	-0.021	0.014	0.033	0.000000	0.000000	-1205.22	1000.40
3	GUIDE	used	1180572024	8.42	4952	0.063	0.115	0.079	0.124	220.930377	-60.981487	-1440.59	-1134.47
4	GUIDE	used	1180578936	9.09	4939	0.225	0.293	0.120	0.190	220.919358	-61.155393	-1935.37	-750.27
5	GUIDE	used	1180589152	9.27	4937	0.034	-0.277	0.129	0.208	219.760705	-61.382926	-1435.46	1356.62
6	GUIDE	used	1180579504	9.59	4915	-0.073	-0.147	0.171	0.298	219.500103	-61.658654	-1992.82	2292.59
7	GUIDE	used	1180607728	9.31	4938	-0.245	0.019	0.156	0.258	219.907127	-60.060122	2310.61	-1593.65

2.4 Star Slots

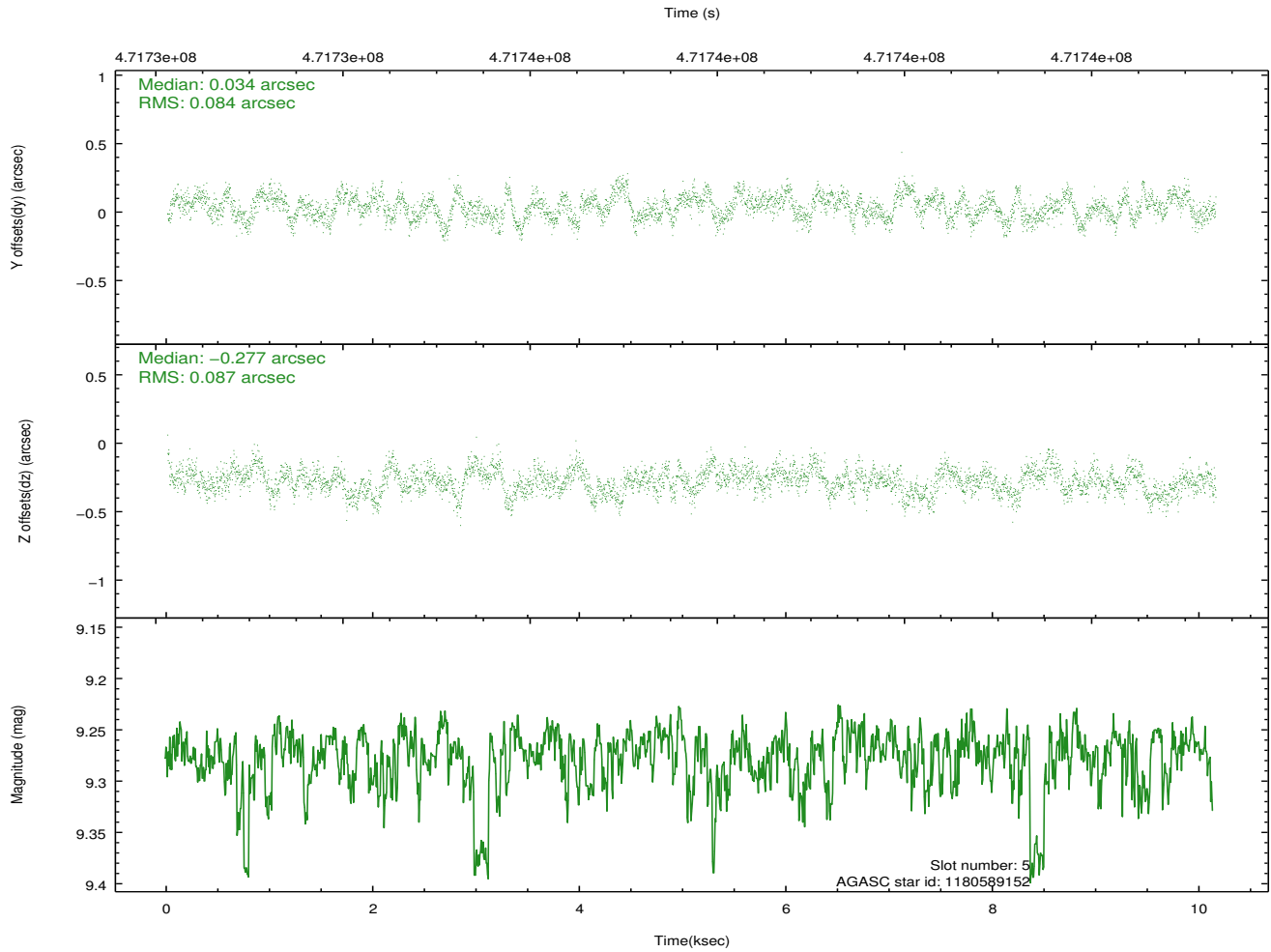
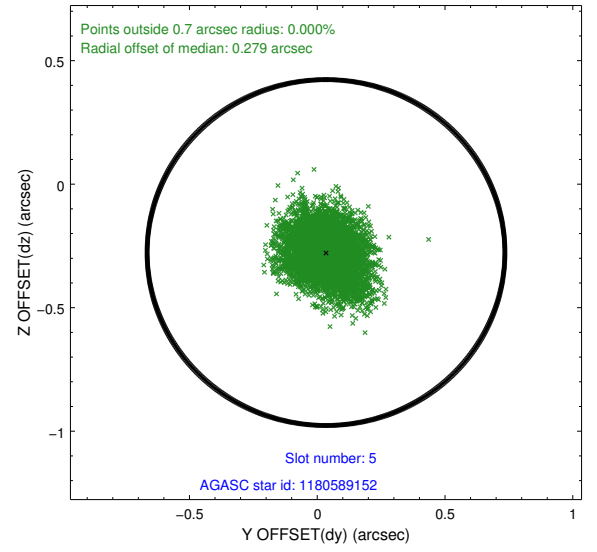
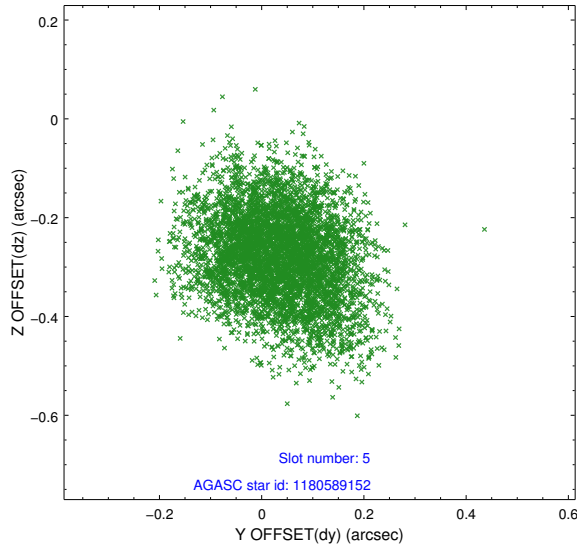
2.4.1 Slot 3



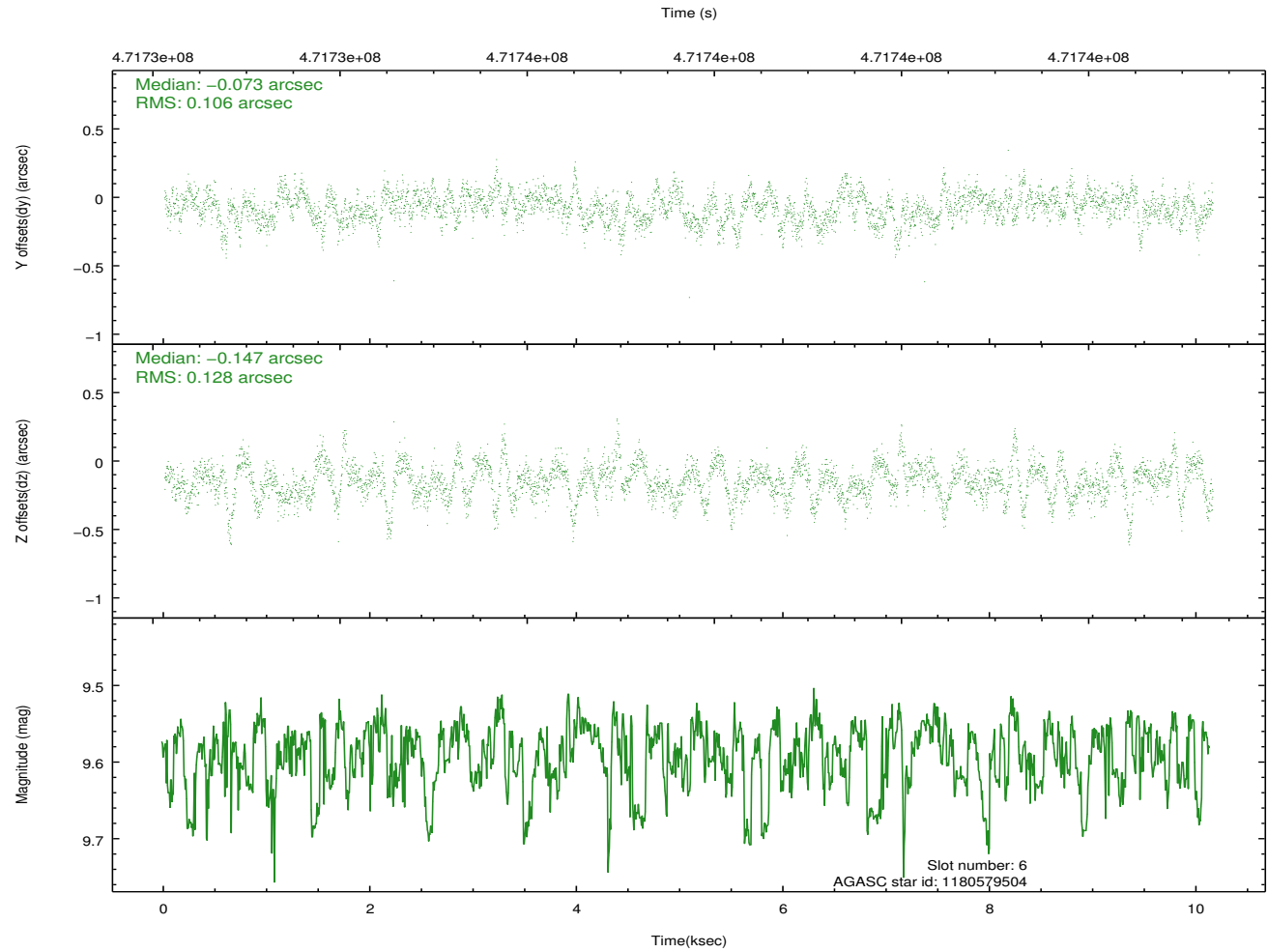
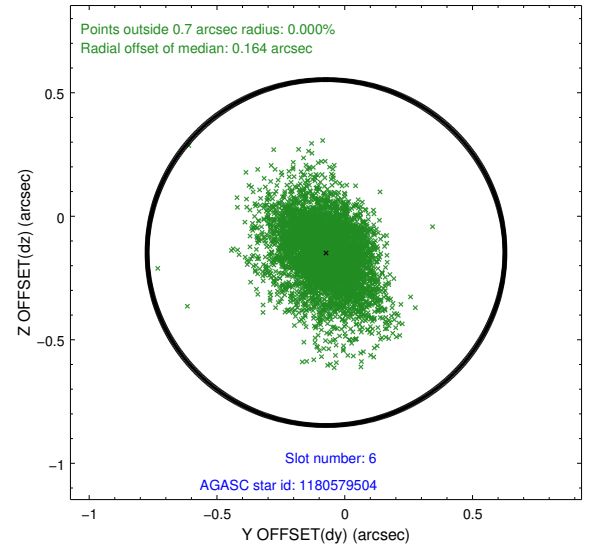
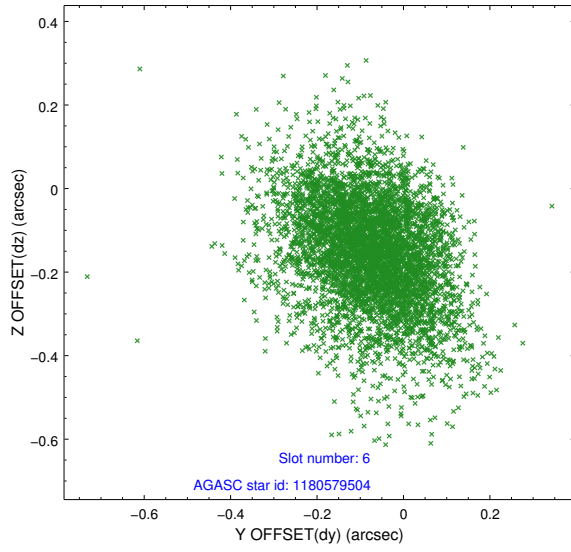
2.4.2 Slot 4



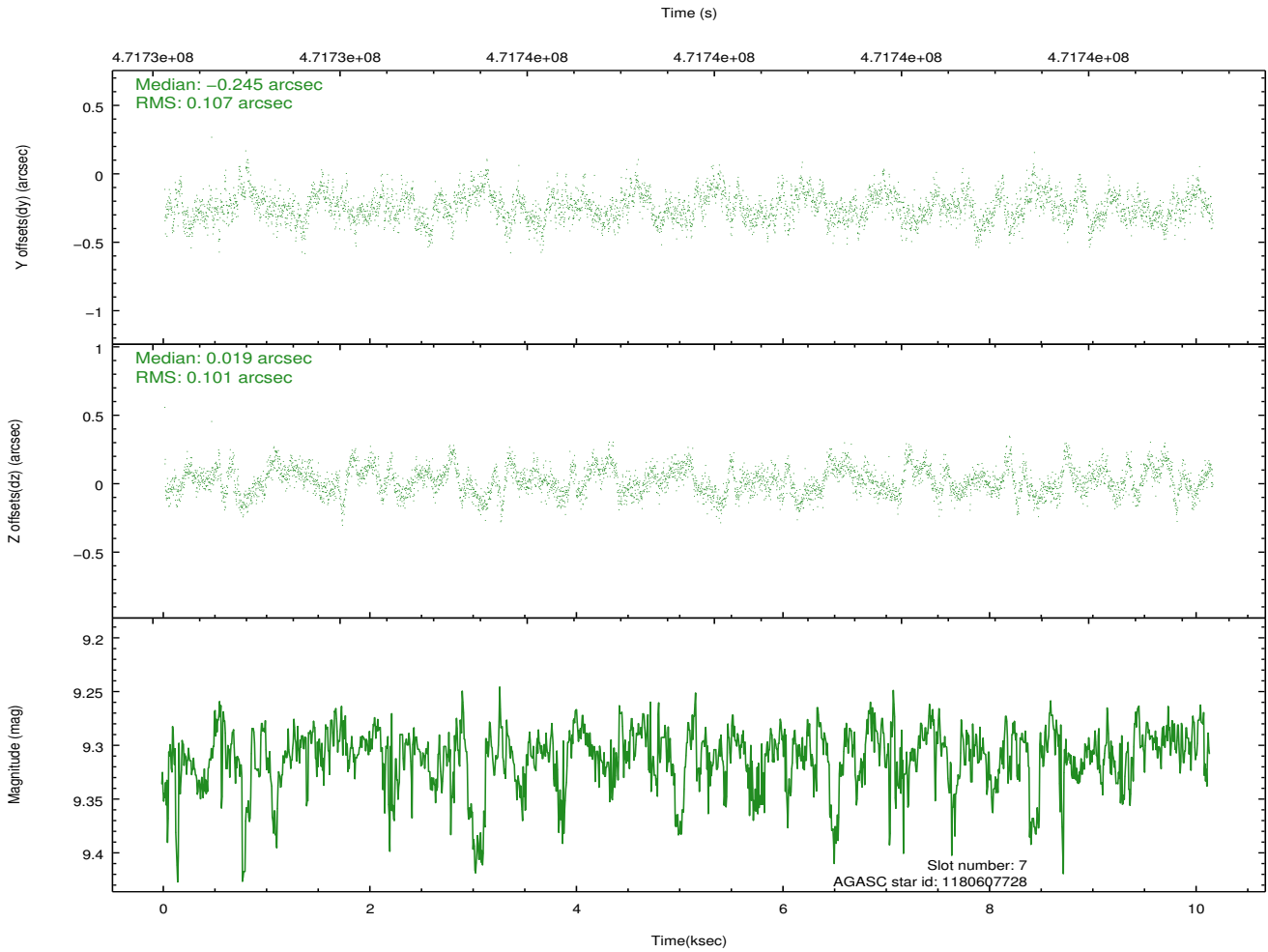
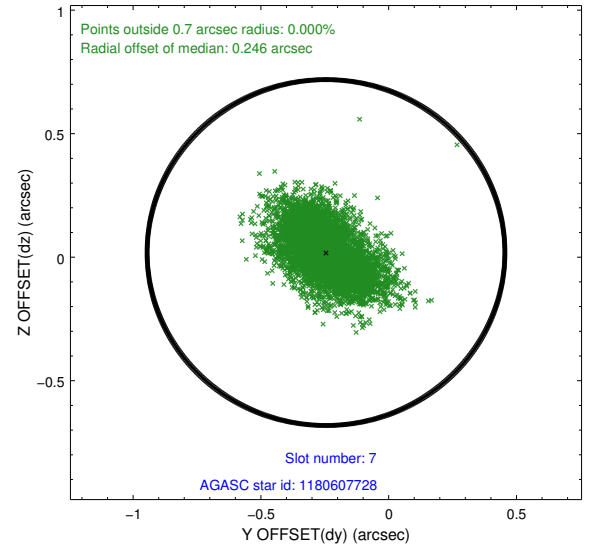
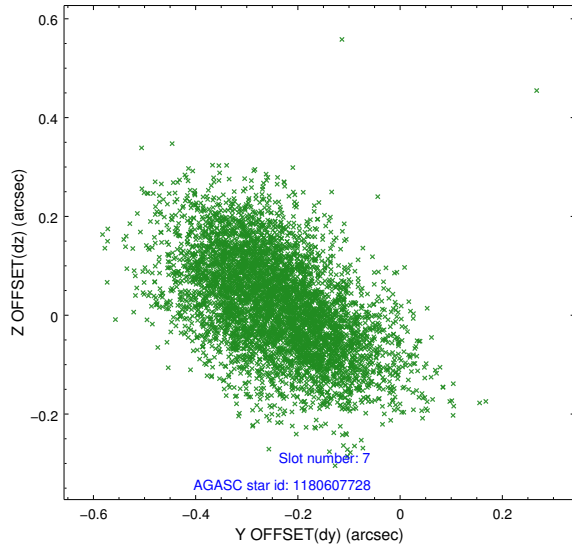
2.4.3 Slot 5



2.4.4 Slot 6

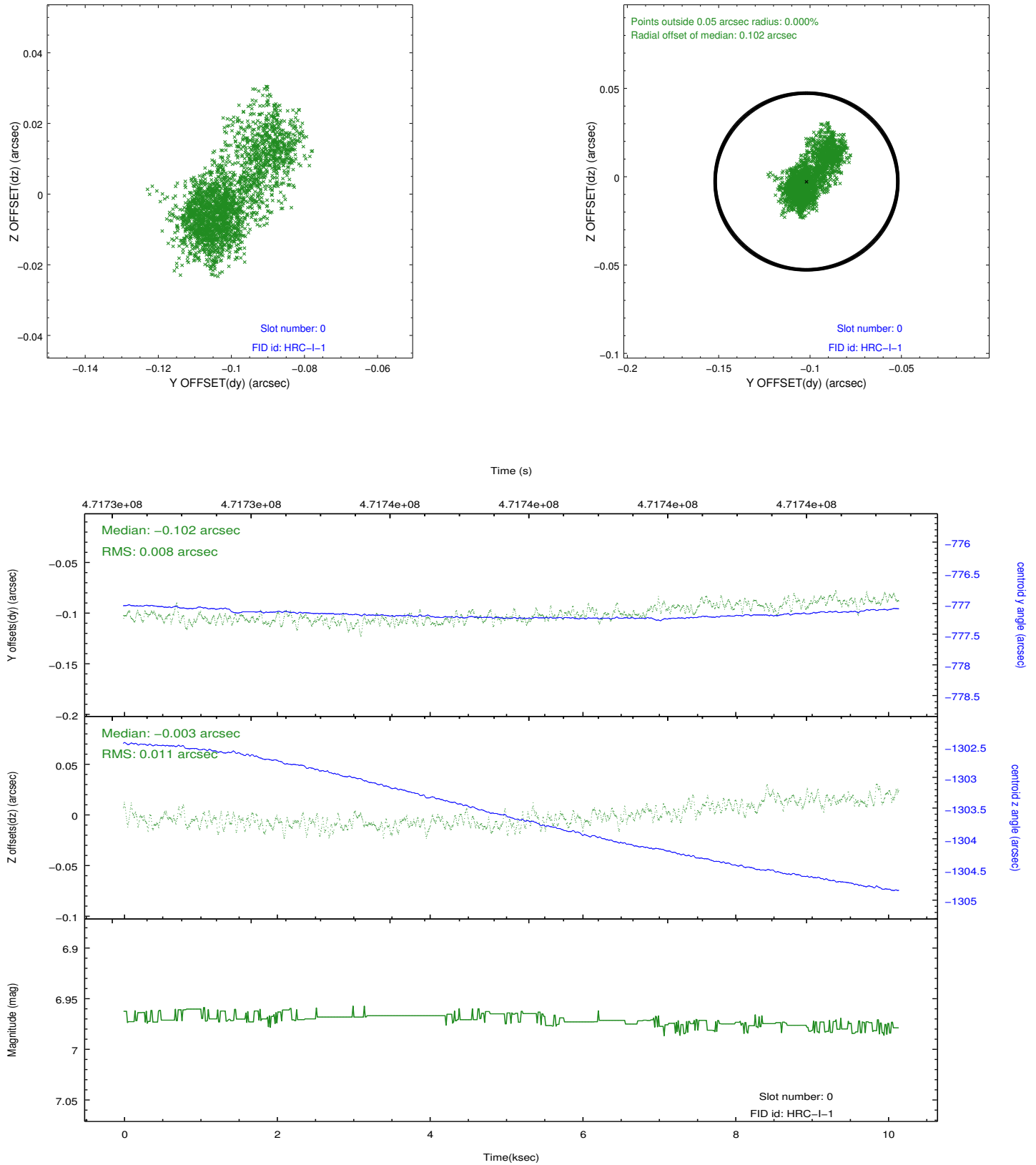


2.4.5 Slot 7

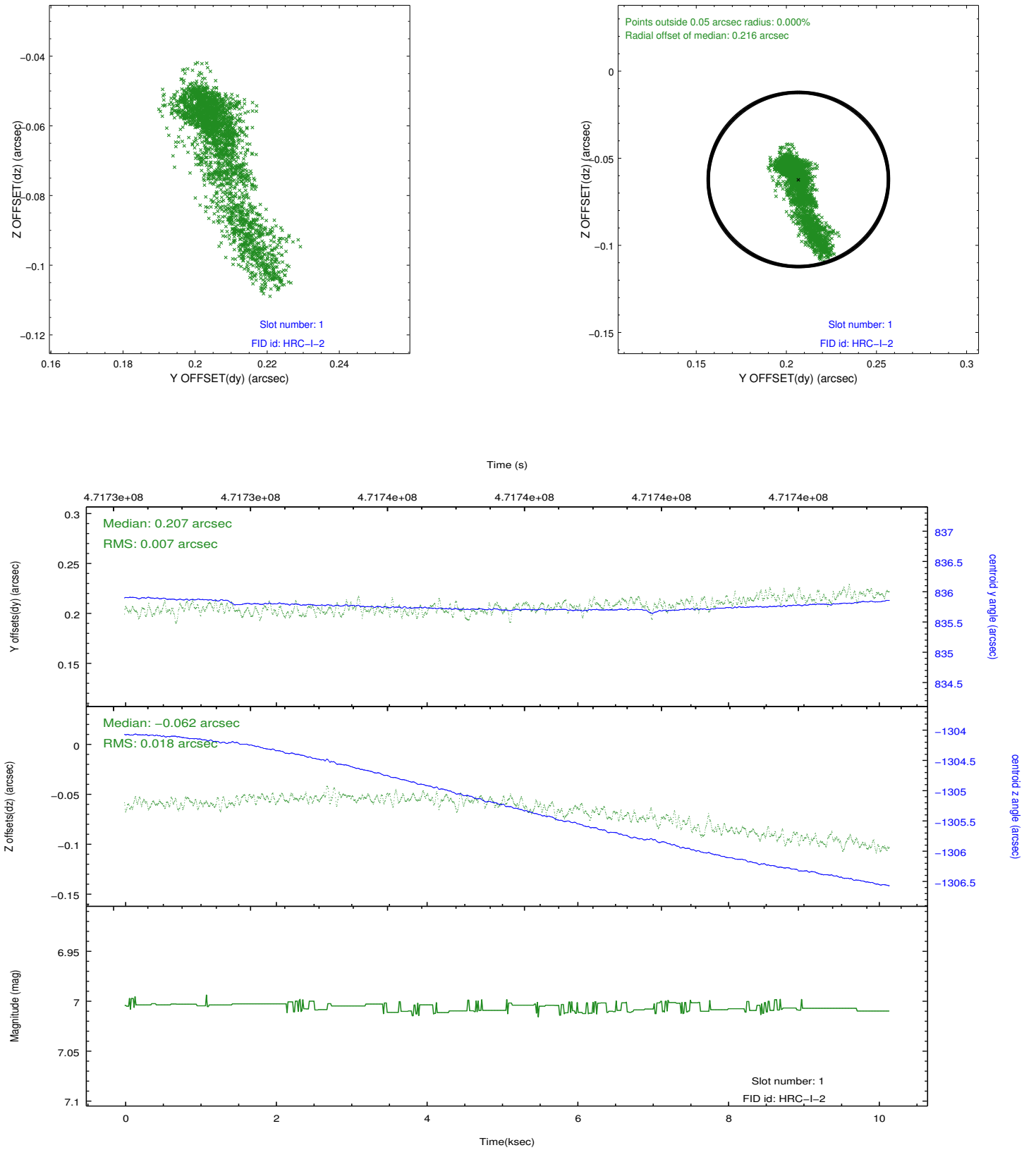


2.5 FID Slots

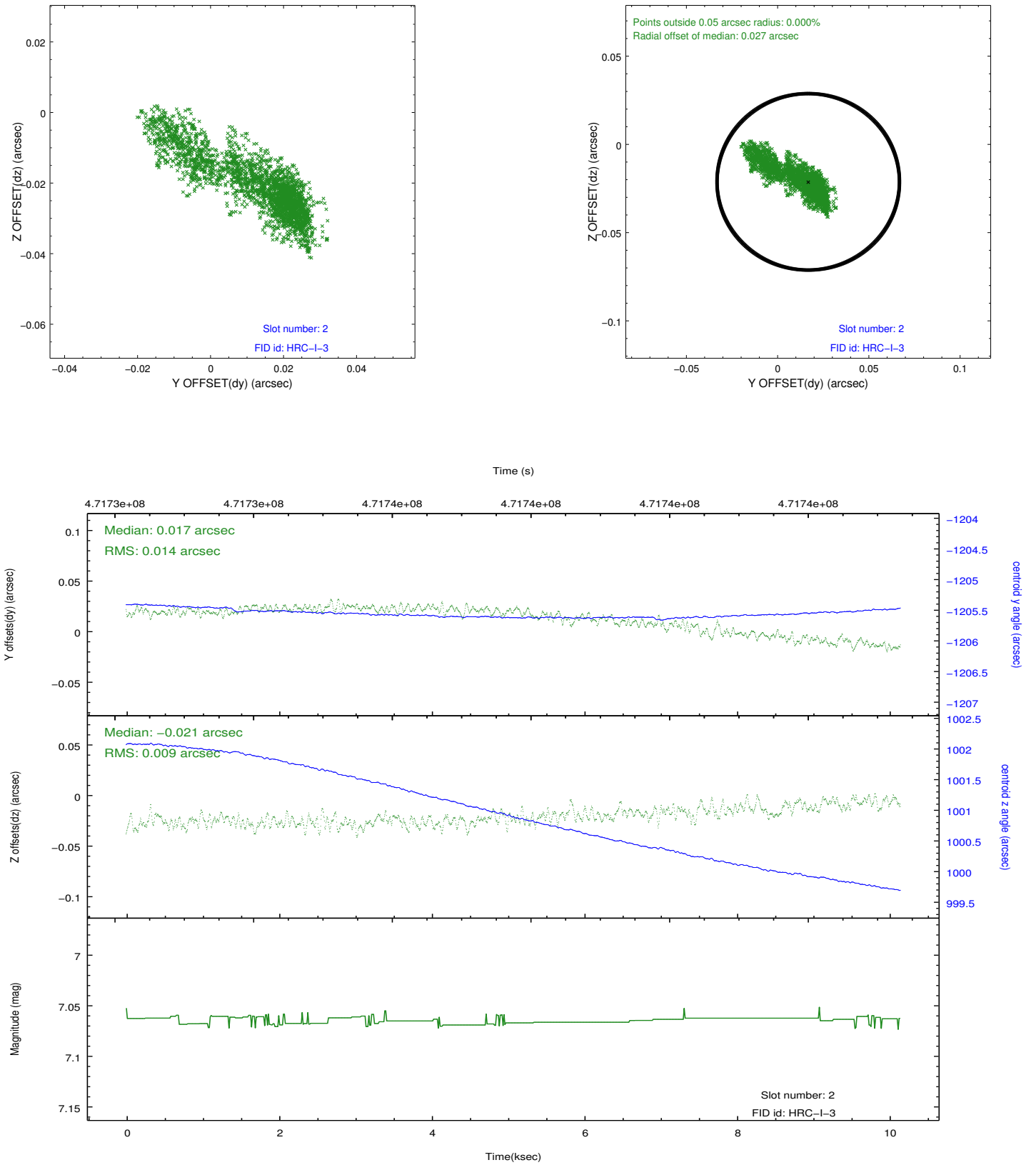
2.5.1 Slot 0



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)	2014.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.148653672636

A.2 Comments

Joint proposal with HST.

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.