

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3022 - L2 Version 5
Chandra X-Ray Center

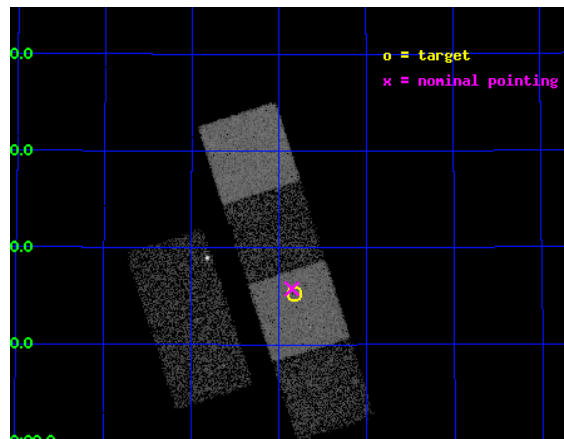
L2 Processing Date : Nov 21 2012

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1 Front

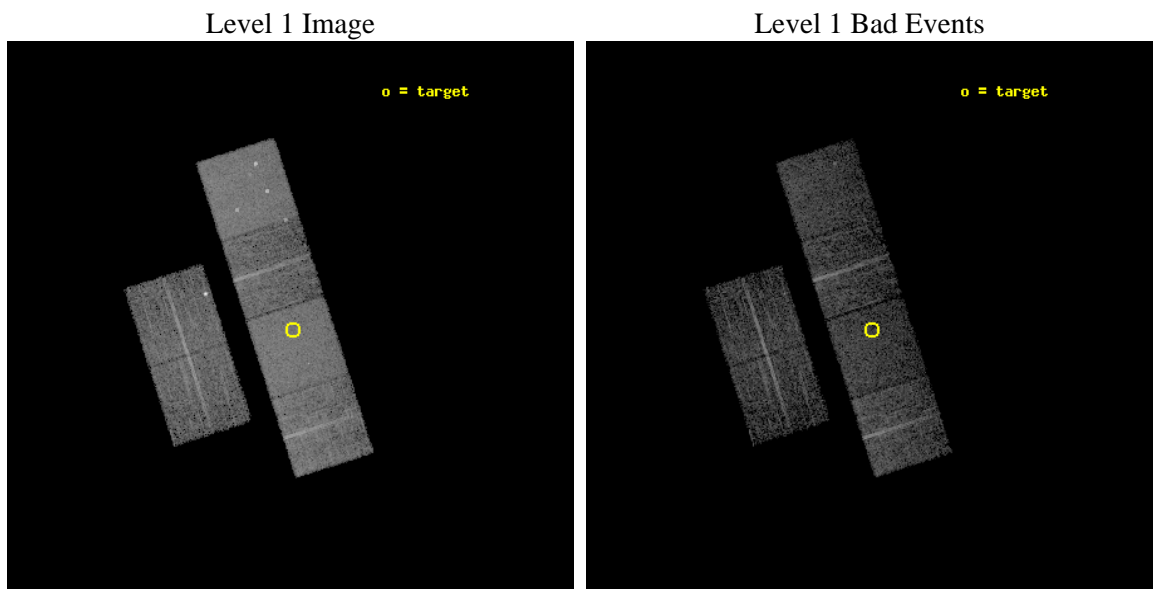
seq_num	700461	Sequence number
obs_id	3022	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	PSS0808+5215	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.205917	Observer's specified target RA [deg]
dec_targ	52.25425	Observer's specified target Dec [deg]
ra_nom	122.21324253903	Nominal RA [deg]
dec_nom	52.262890039738	Nominal Dec [deg]
roll_nom	72.202831803976	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4955.7091658711	Sum of GTIs [s]
livetime	4892.9569924431	Livetime [s]
ontime2	4955.7502058744	Sum of GTIs [s]
ontime3	4955.5860458612	Sum of GTIs [s]
ontime5	4955.6681258678	Sum of GTIs [s]
ontime6	4955.6270858645	Sum of GTIs [s]
ontime7	4955.7091658711	Sum of GTIs [s]
ontime8	4952.3040655255	Sum of GTIs [s]
l2events	62985	Number of level 2 events



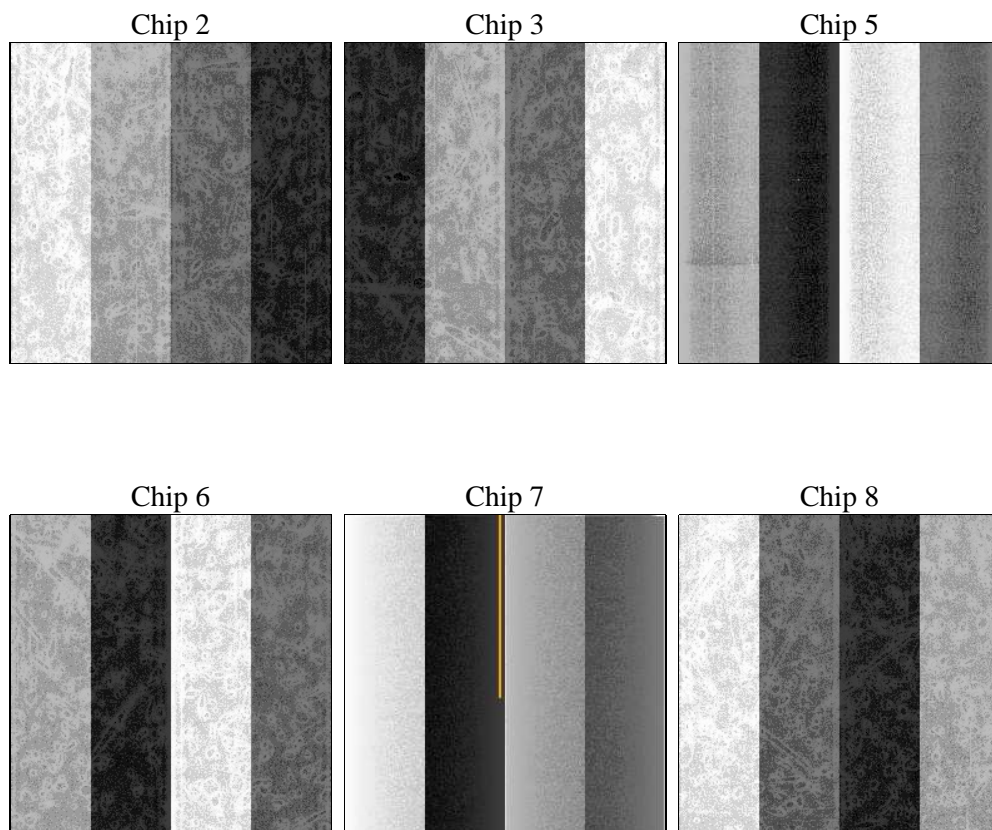
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4955.7091658711	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4955.7502058744	Sum of GTIs [s]
date	2012-11-21T18:23:43	Date and time of file creation	ontime3	4955.5860458612	Sum of GTIs [s]
revision	5	Processing version of data	ontime5	4955.6681258678	Sum of GTIs [s]
			ontime6	4955.6270858645	Sum of GTIs [s]
			ontime7	4955.7091658711	Sum of GTIs [s]
			ontime8	4952.3040655255	Sum of GTIs [s]
			l1events	243493	Number of level 1 events

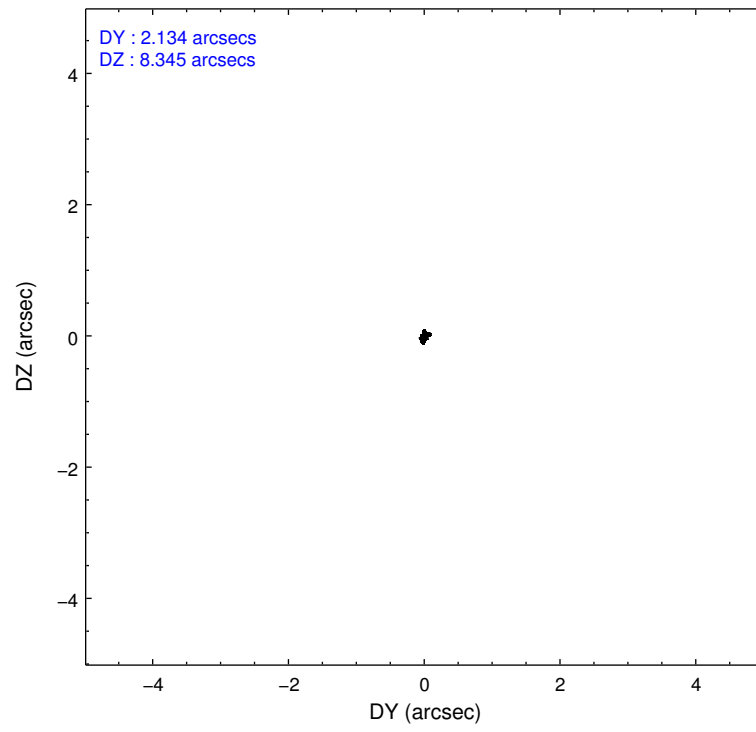
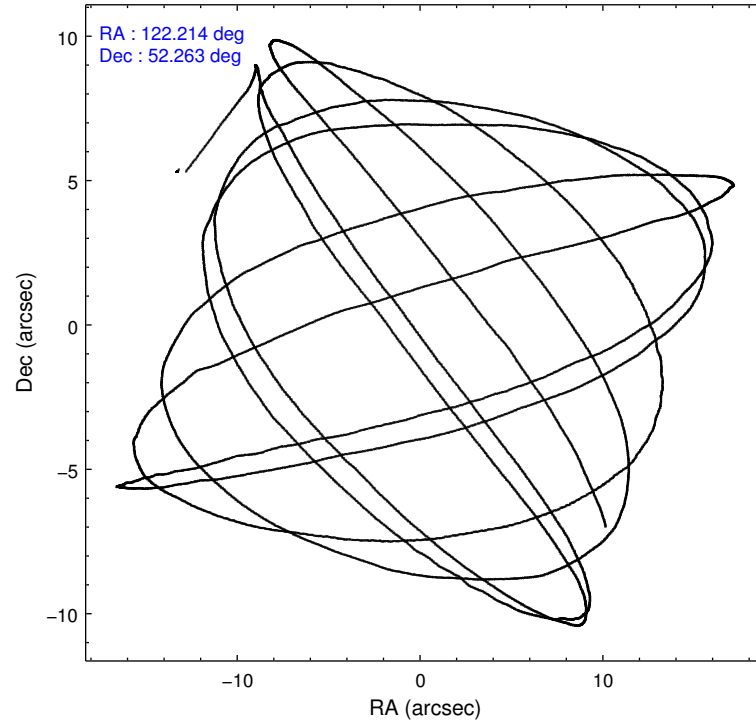
2.1.4 Events

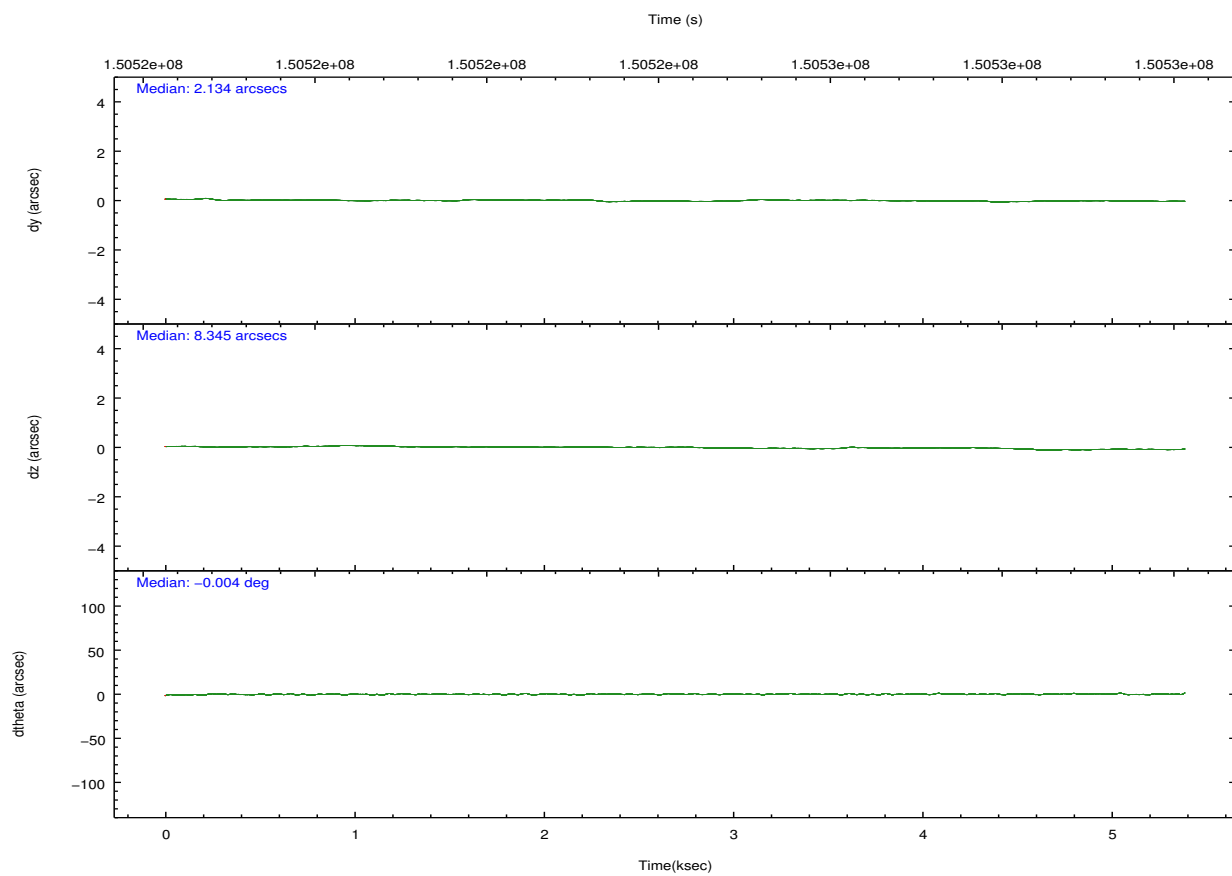
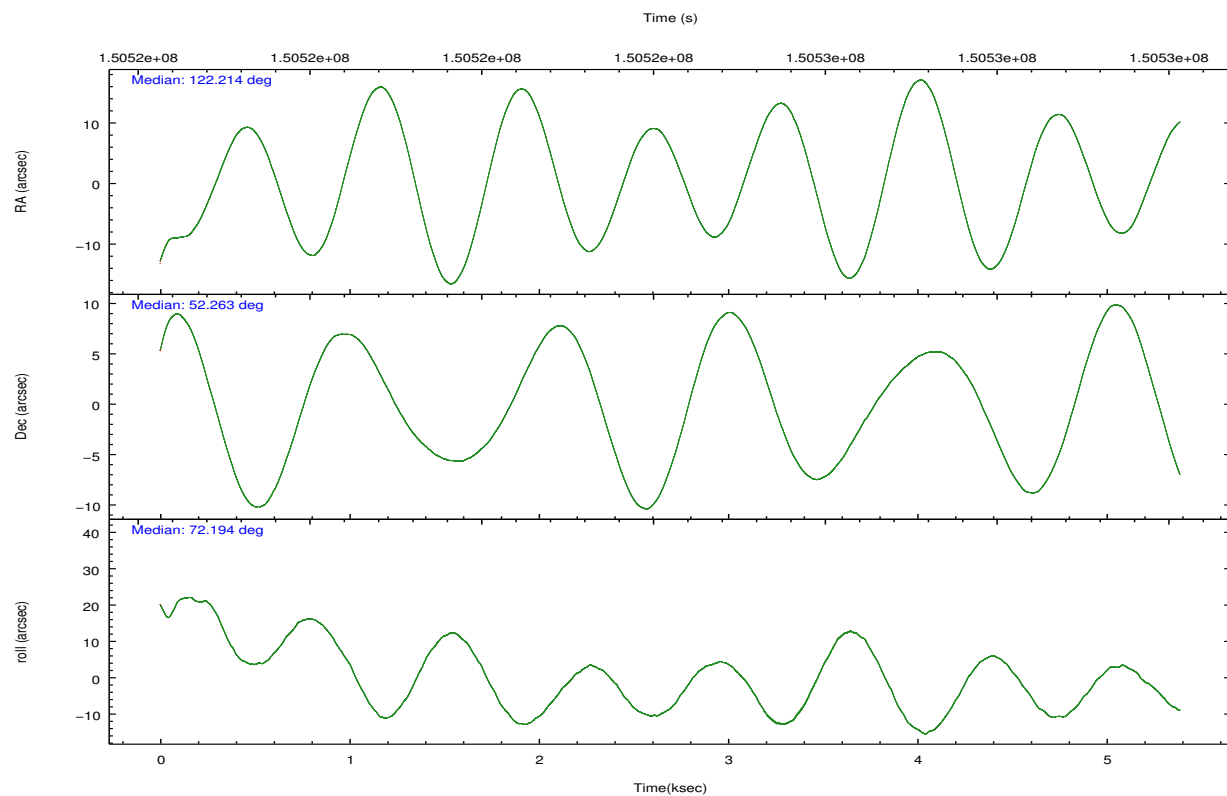
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	35265	30418	53921	32218	47511	44160	grade 0 events	4140	1726	4541	1681	2249	2691
rejected events	28551	26647	26000	28241	25242	35977		11%	5%	8%	5%	4%	6%
rejected %	80%	87%	48%	87%	53%	81%	grade 1 events	56	21	179	19	40	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	1053	699	7955	767	4288	1789
								2%	2%	14%	2%	9%	4%
							grade 3 events	500	346	1222	387	1972	865
								1%	1%	2%	1%	4%	1%
							grade 4 events	405	358	1207	387	1989	806
								1%	1%	2%	1%	4%	1%
							grade 5 events	1222	1341	3718	1354	4100	1787
								3%	4%	6%	4%	8%	4%
							grade 6 events	622	648	13044	764	11805	2041
								1%	2%	24%	2%	24%	4%
							grade 7 events	27267	25279	22055	26859	21068	34146
								77%	83%	40%	83%	44%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	122.223297	122.2132425390293	Subarray requested	NONE	NONE
[deg] Pointing Dec	52.236265	52.2628900397379	Alternating exposures requested	N	N
[deg] Pointing Roll	72.038263	72.2028318039756	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	150522584.184000	150521886.39067			
Observation start date	2002-10-09T03:48:40	2002-10-09T03:38:06			
[s] Observation end time (MET)	150527784.184000	150528301.35344			
Observation end date	2002-10-09T05:15:20	2002-10-09T05:25:01			
Read mode	TIMED	TIMED			

2.3 Aspect



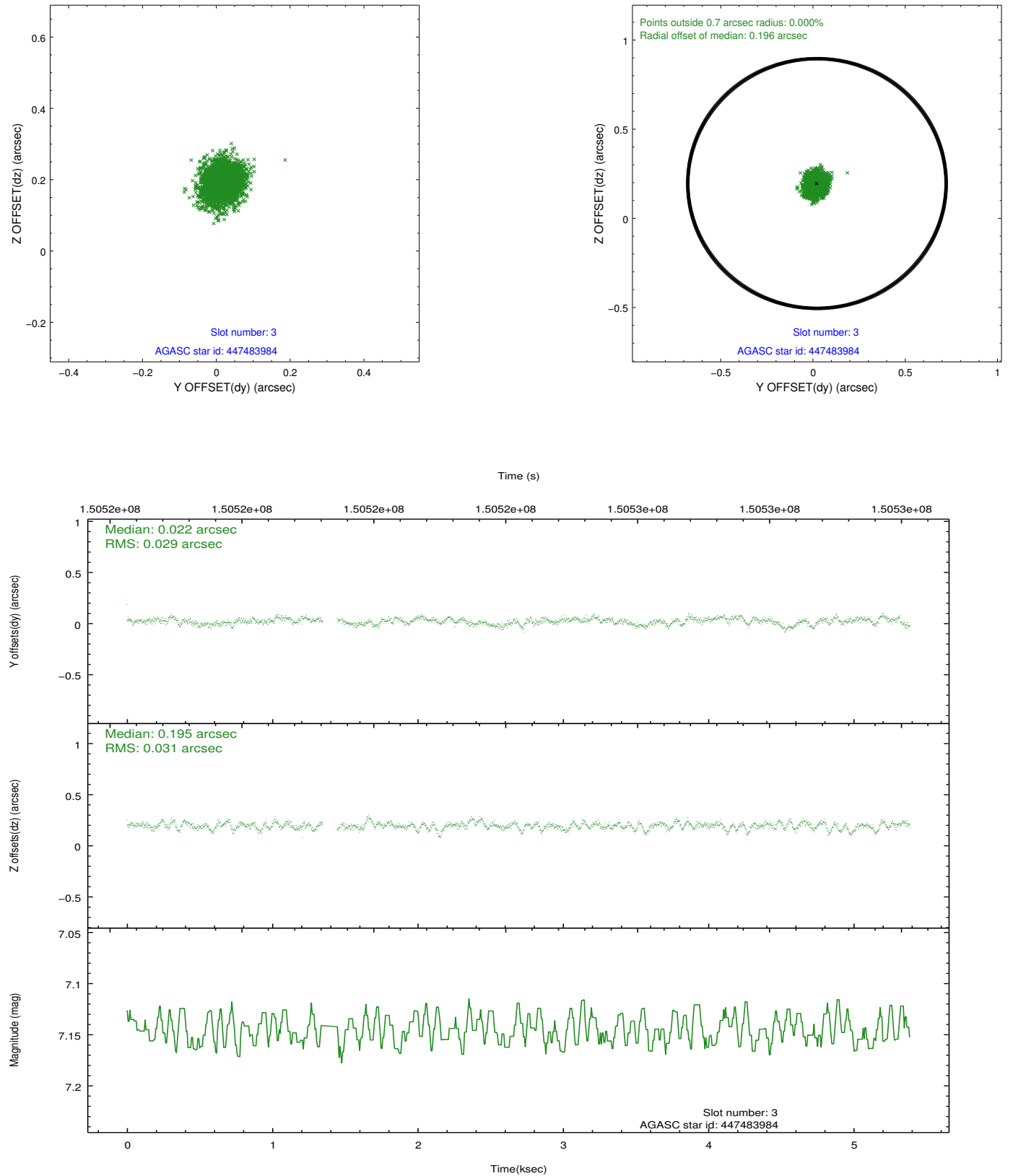


Slot Statistics

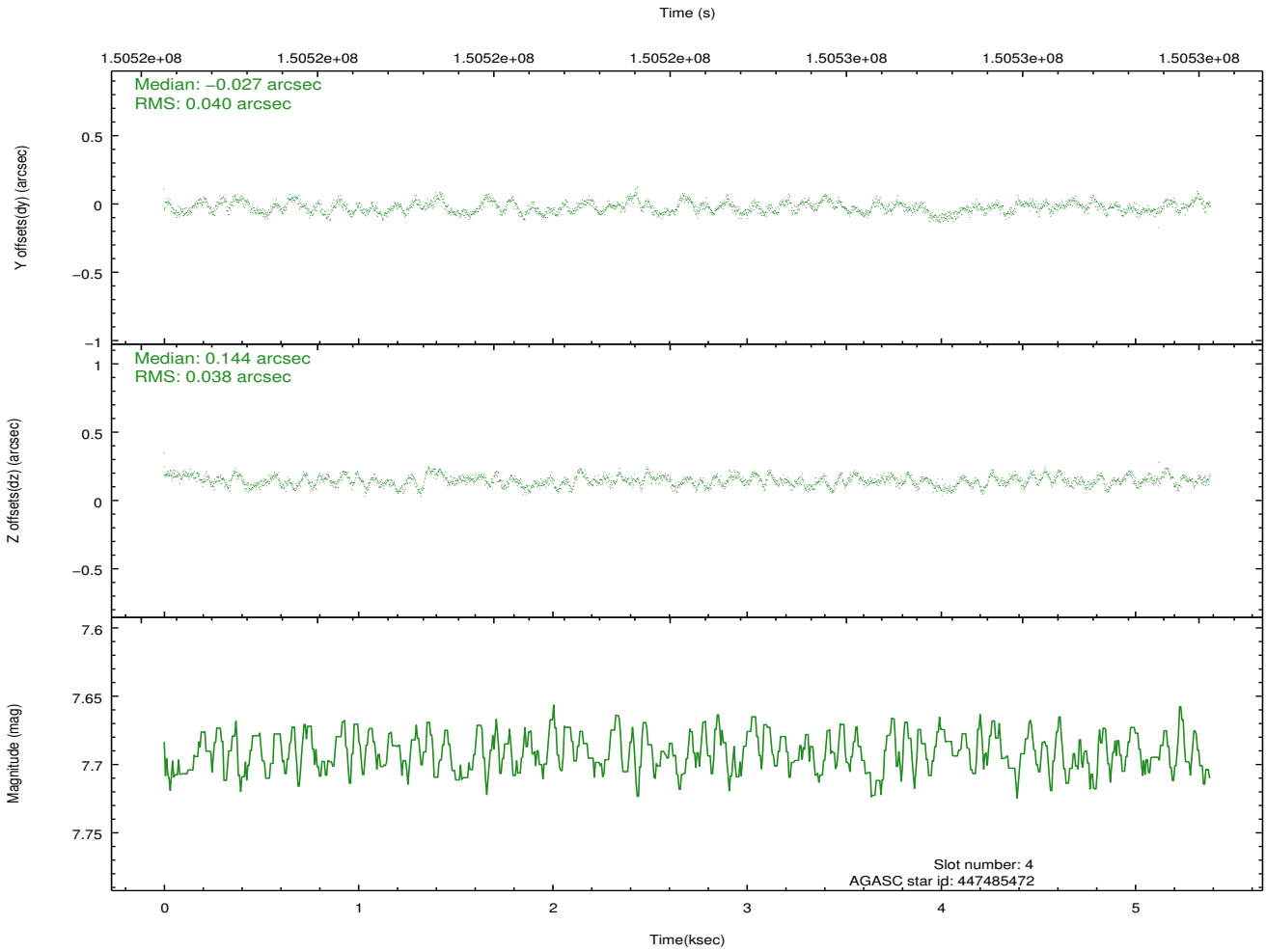
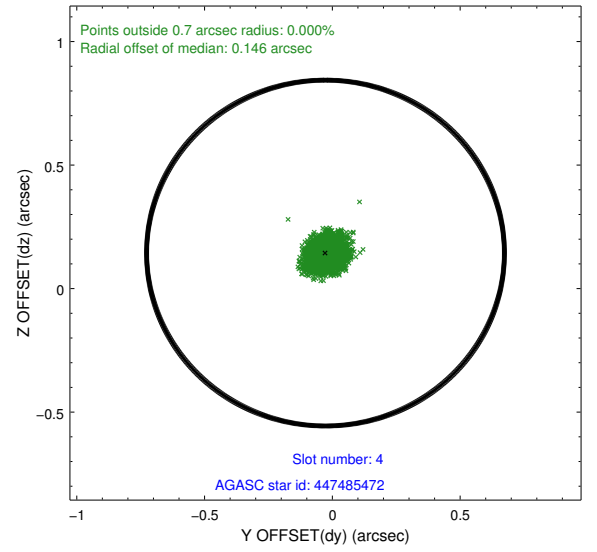
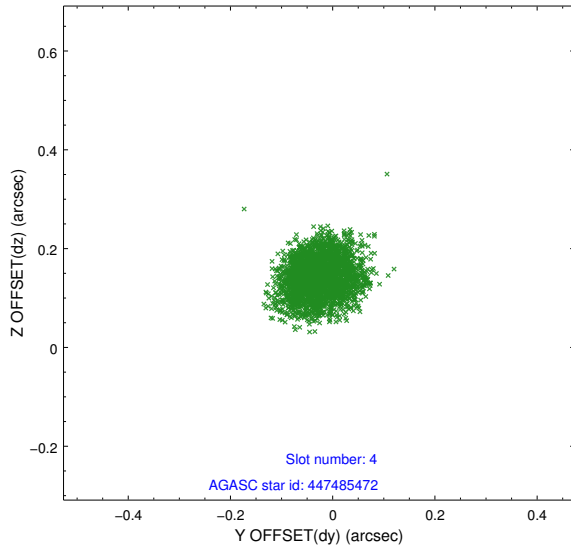
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1315	-0.025	-0.012	0.006	0.010	0.000000	0.000000	-754.79	-1729.54
1	FID	ACIS-S-4	7.20	1315	-0.006	0.015	0.005	0.010	0.000000	0.000000	2158.02	177.79
2	FID	ACIS-S-5	7.24	1315	-0.001	0.006	0.007	0.011	0.000000	0.000000	-1806.15	172.76
3	GUIDE	447483984	7.15	2577	0.022	0.195	0.045	0.076	122.956456	51.769020	-1089.30	-2069.34
4	GUIDE	447485472	7.69	2629	-0.027	0.144	0.059	0.092	122.828208	52.028768	-293.23	-1503.37
5	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
6	GUIDE	447481144	8.86	2629	0.016	-0.277	0.071	0.117	121.225066	52.159513	-929.56	2016.05
7	GUIDE	447479952	8.83	2628	-0.004	-0.054	0.059	0.095	121.892777	52.270262	-107.97	732.13

2.4 Star Slots

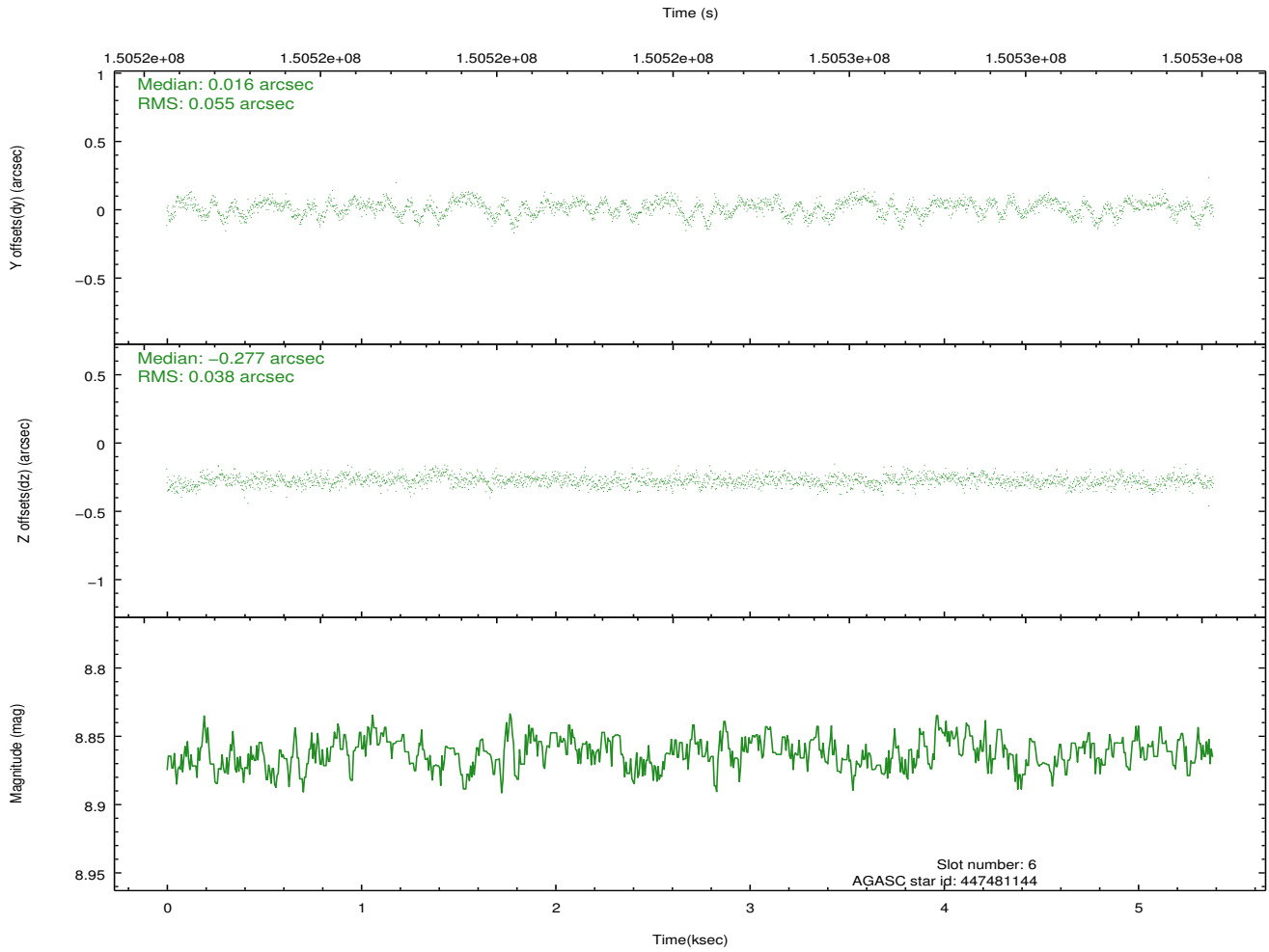
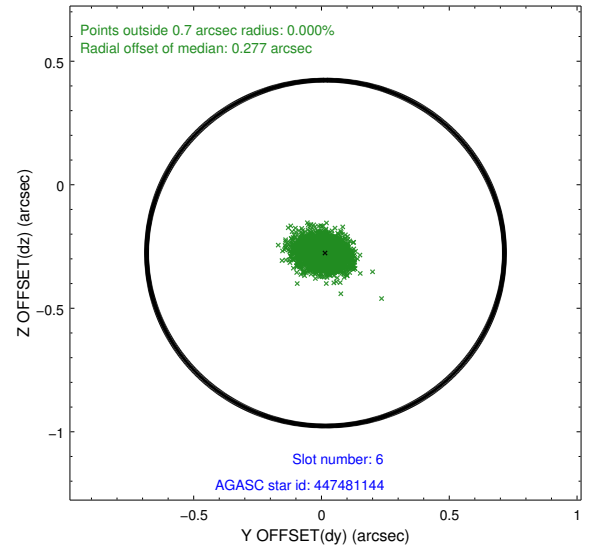
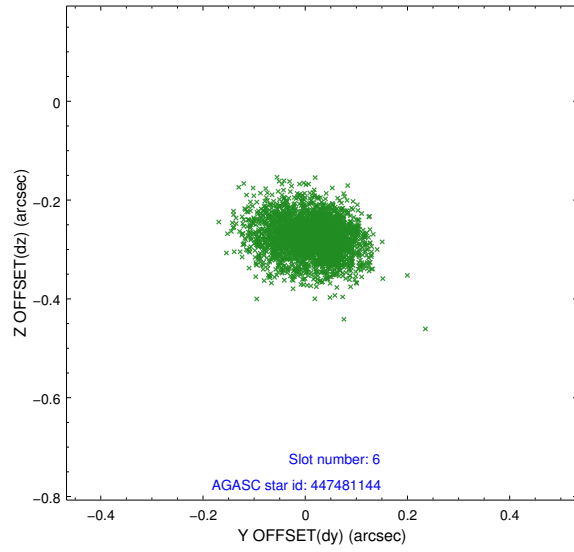
2.4.1 Slot 3



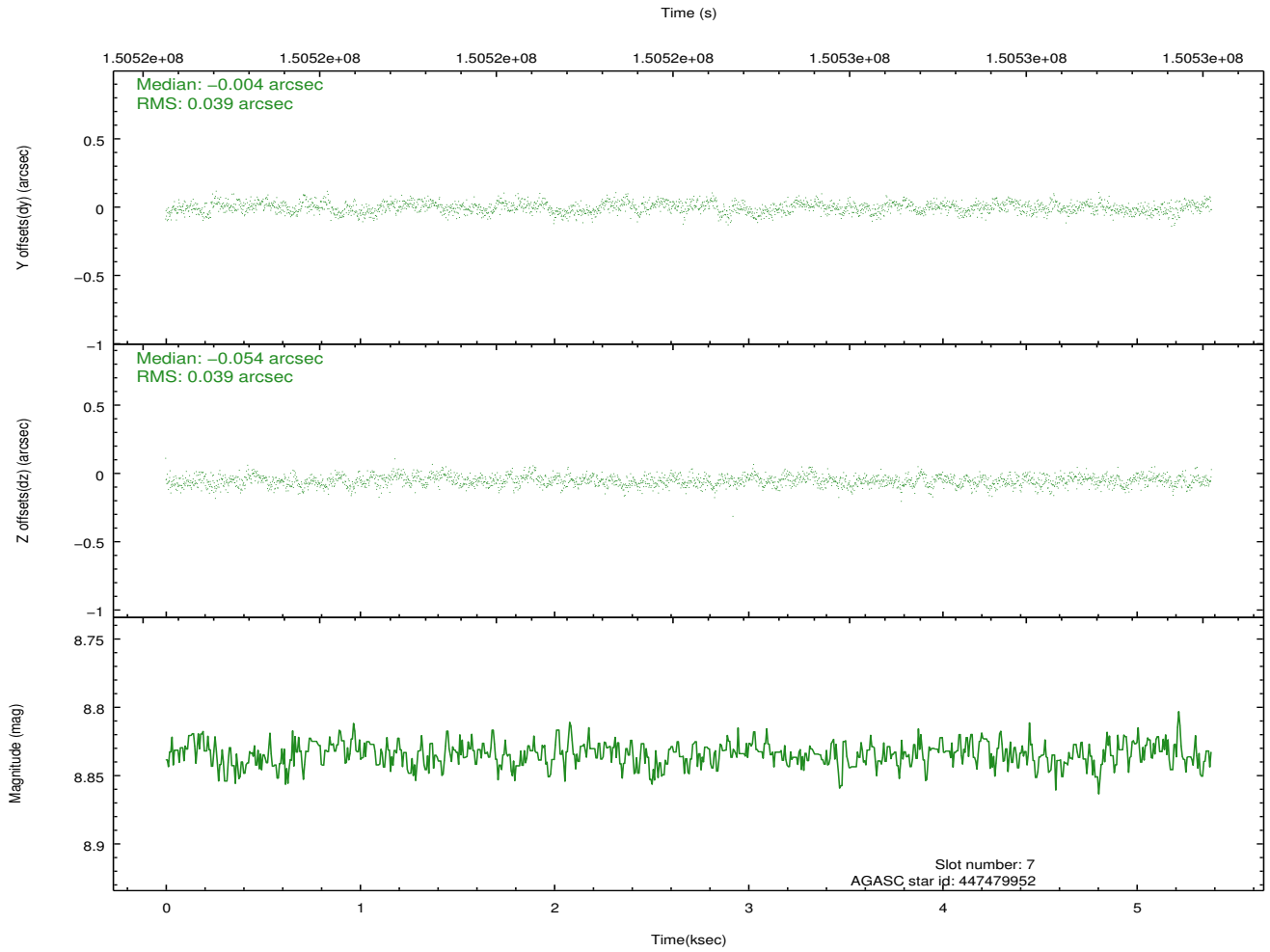
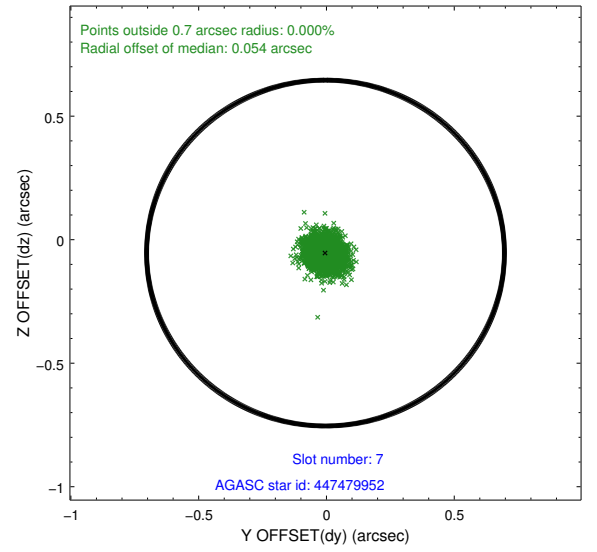
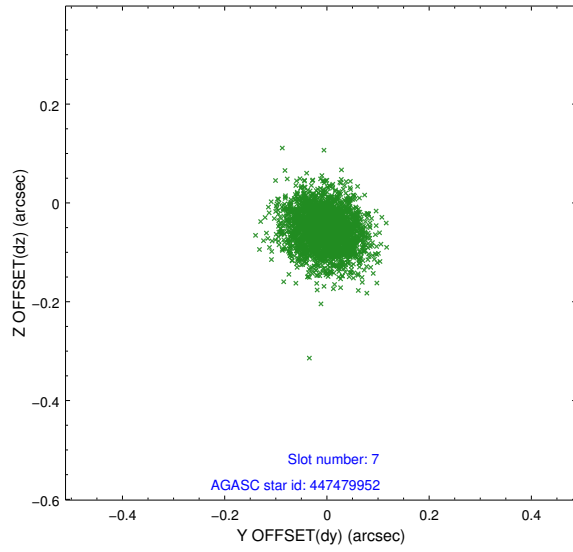
2.4.2 Slot 4



2.4.3 Slot 6

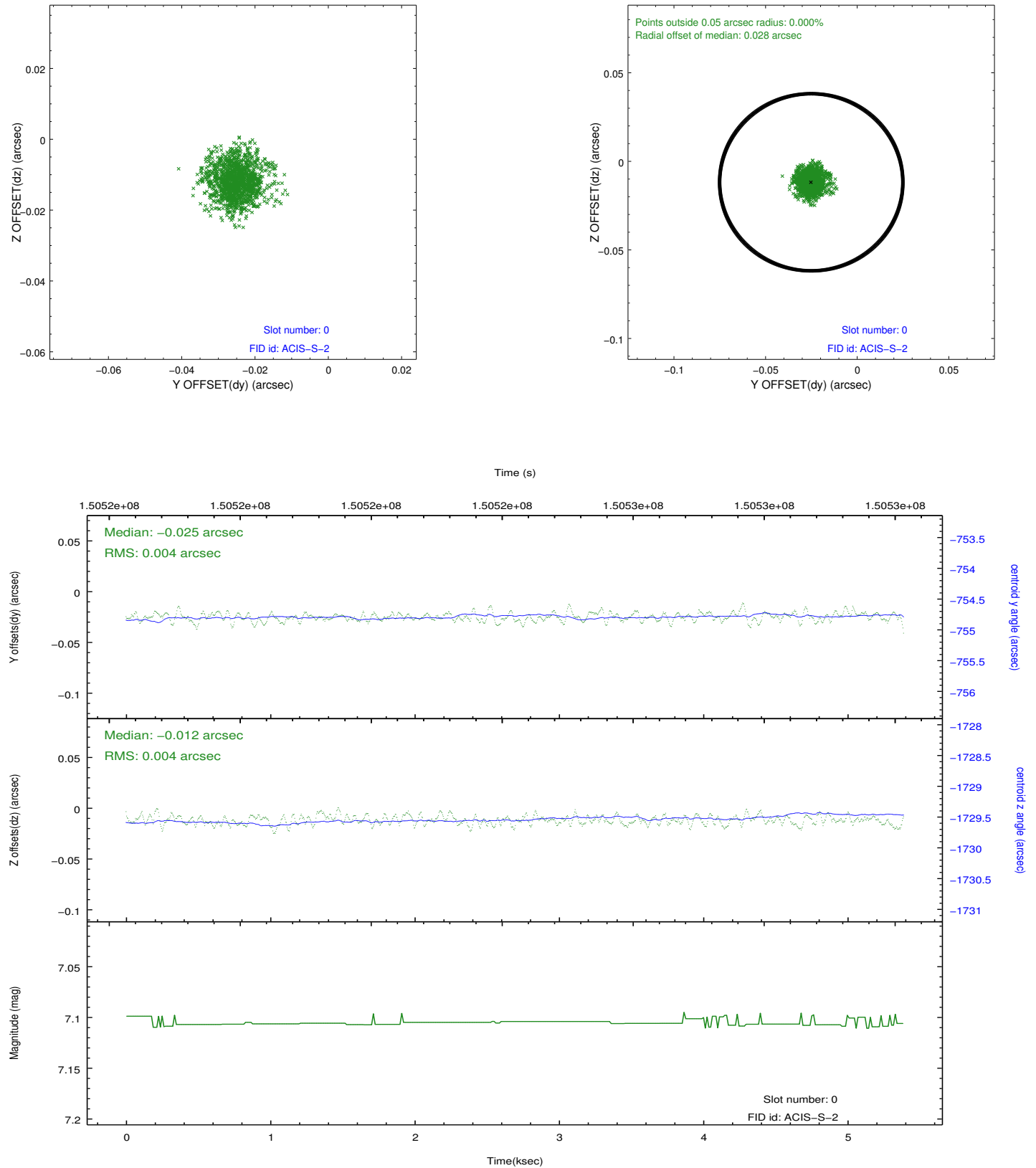


2.4.4 Slot 7

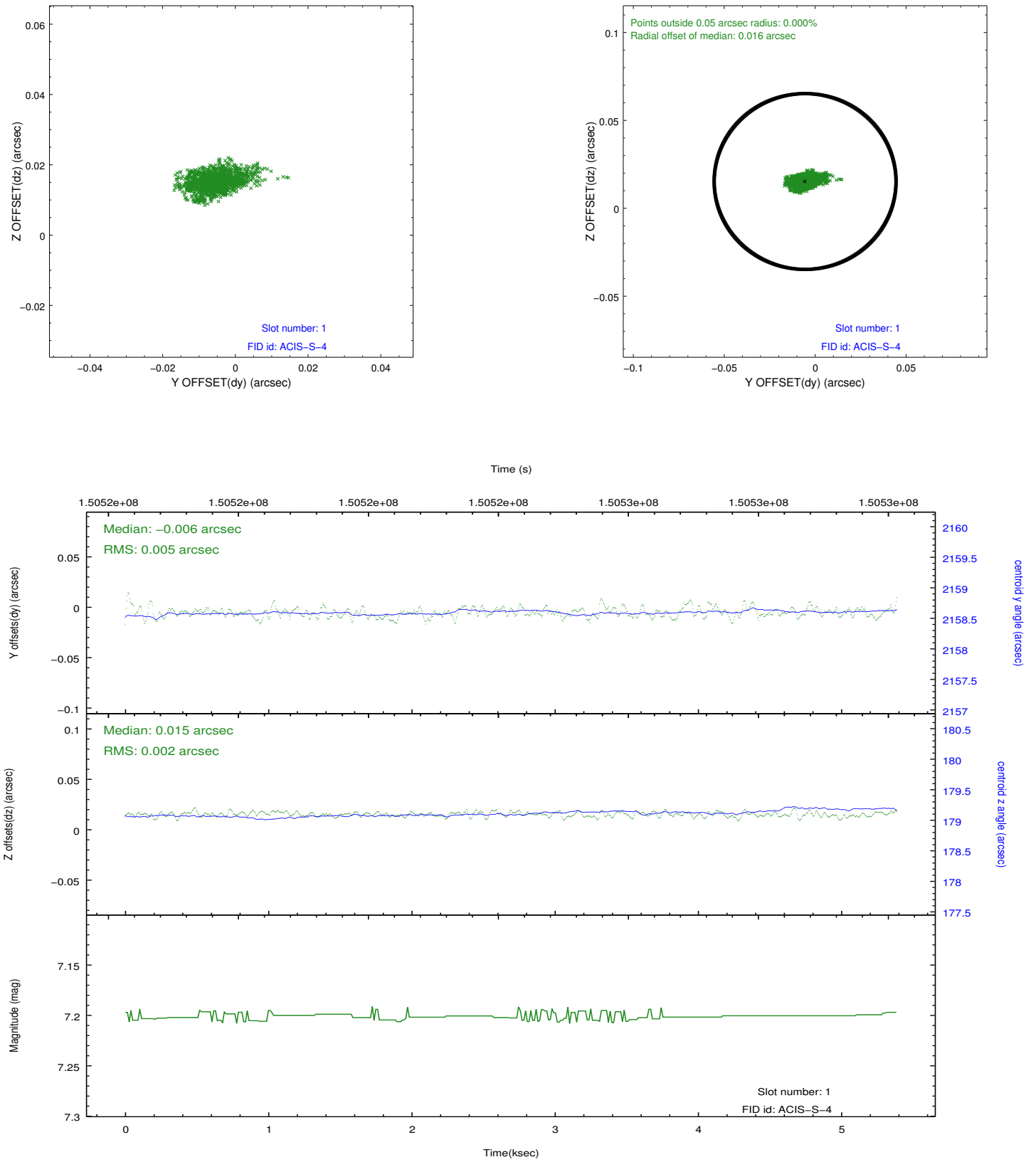


2.5 FID Slots

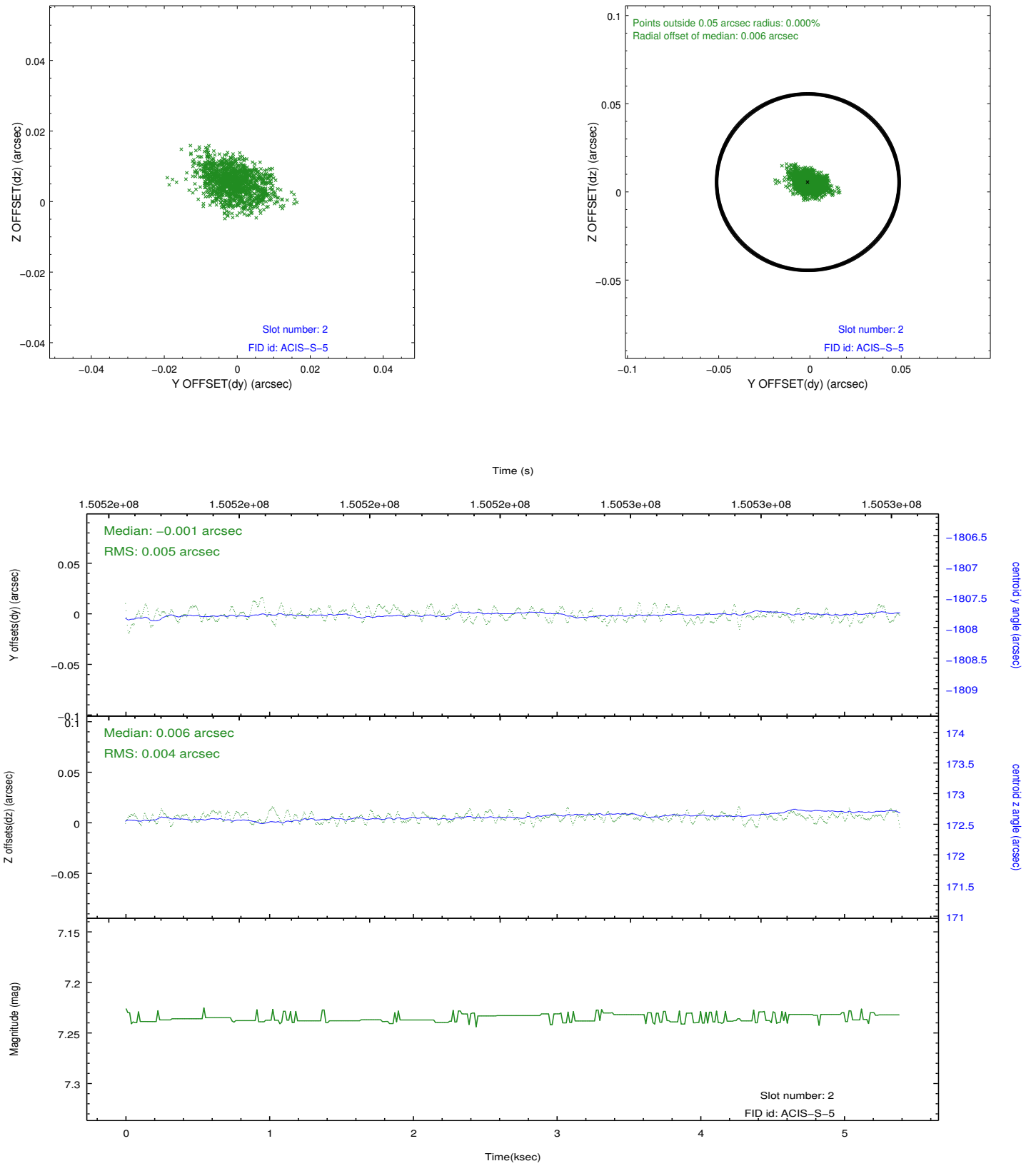
2.5.1 Slot 0



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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.956

A.2 Comments

The guide star in slot 5 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.