

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6697 - L2 Version 2
Chandra X-Ray Center

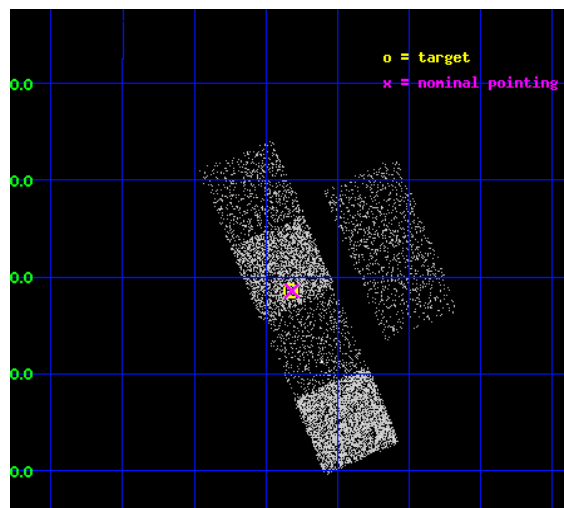
L2 Processing Date : Apr 3 2012

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1 Front

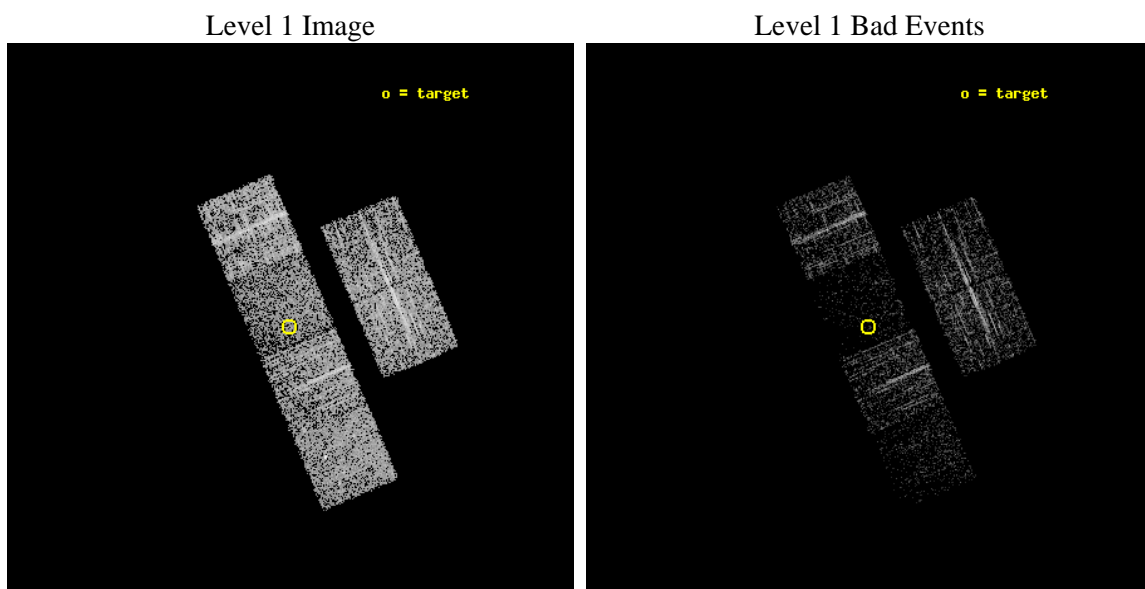
seq_num	500648	Sequence number
obs_id	6697	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J110219.6+022836	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.581667	Observer's specified target RA [deg]
dec_targ	2.476806	Observer's specified target Dec [deg]
ra_nom	165.57950118501	Nominal RA [deg]
dec_nom	2.4763303694825	Nominal Dec [deg]
roll_nom	247.02874807416	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1542.3999942541	Sum of GTIs [s]
livetime	1522.8691968051	Livetime [s]
ontime2	1542.3999942541	Sum of GTIs [s]
ontime3	1542.3999942541	Sum of GTIs [s]
ontime5	1542.3999942541	Sum of GTIs [s]
ontime6	1542.3999942541	Sum of GTIs [s]
ontime7	1542.3999942541	Sum of GTIs [s]
ontime8	1542.3999942541	Sum of GTIs [s]
l2events	10289	Number of level 2 events



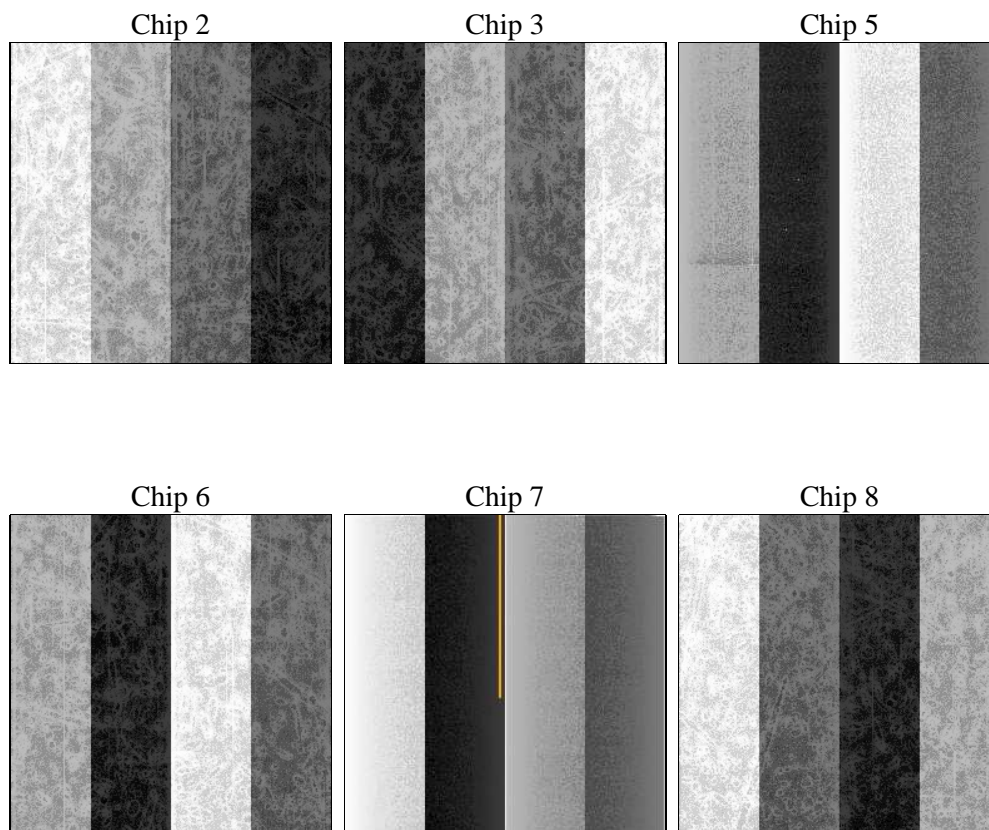
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1542.3999942541	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1542.3999942541	Sum of GTIs [s]
date	2012-04-03T11:17:26	Date and time of file creation	ontime3	1542.3999942541	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1542.3999942541	Sum of GTIs [s]
			ontime6	1542.3999942541	Sum of GTIs [s]
			ontime7	1542.3999942541	Sum of GTIs [s]
			ontime8	1542.3999942541	Sum of GTIs [s]
			l1events	55828	Number of level 1 events

2.1.4 Events

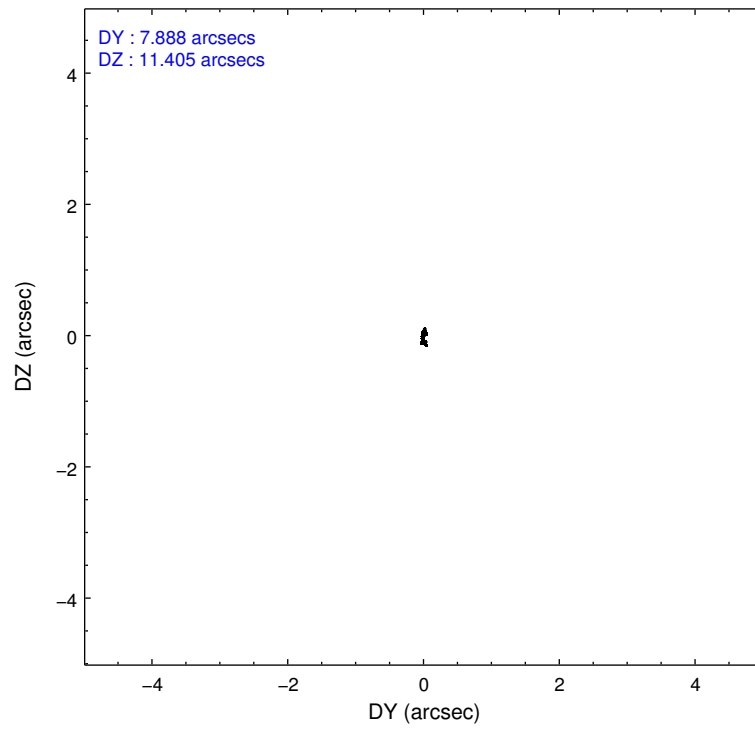
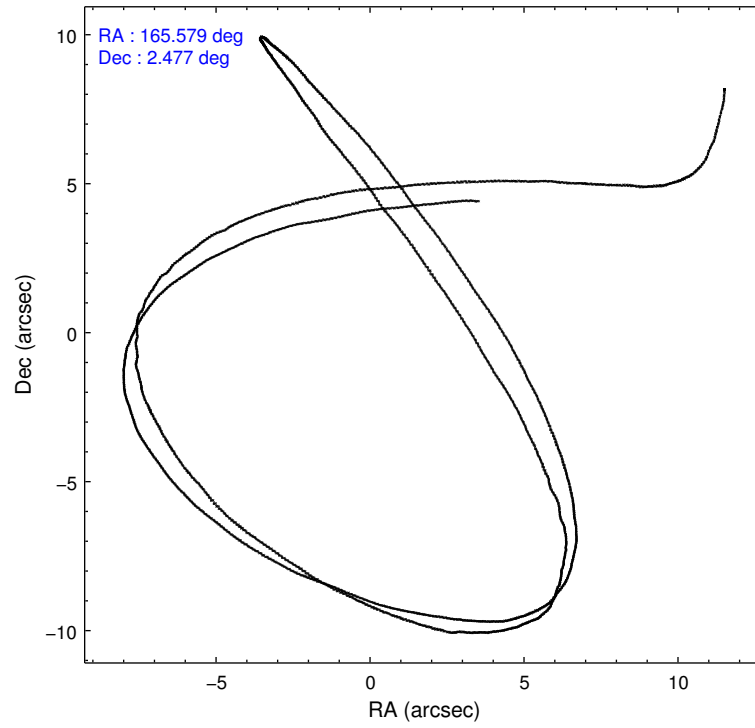
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10963	9335	8378	9163	5472	12517
rejected events	10203	8517	3350	8327	2379	9679
rejected %	93%	91%	39%	90%	43%	77%

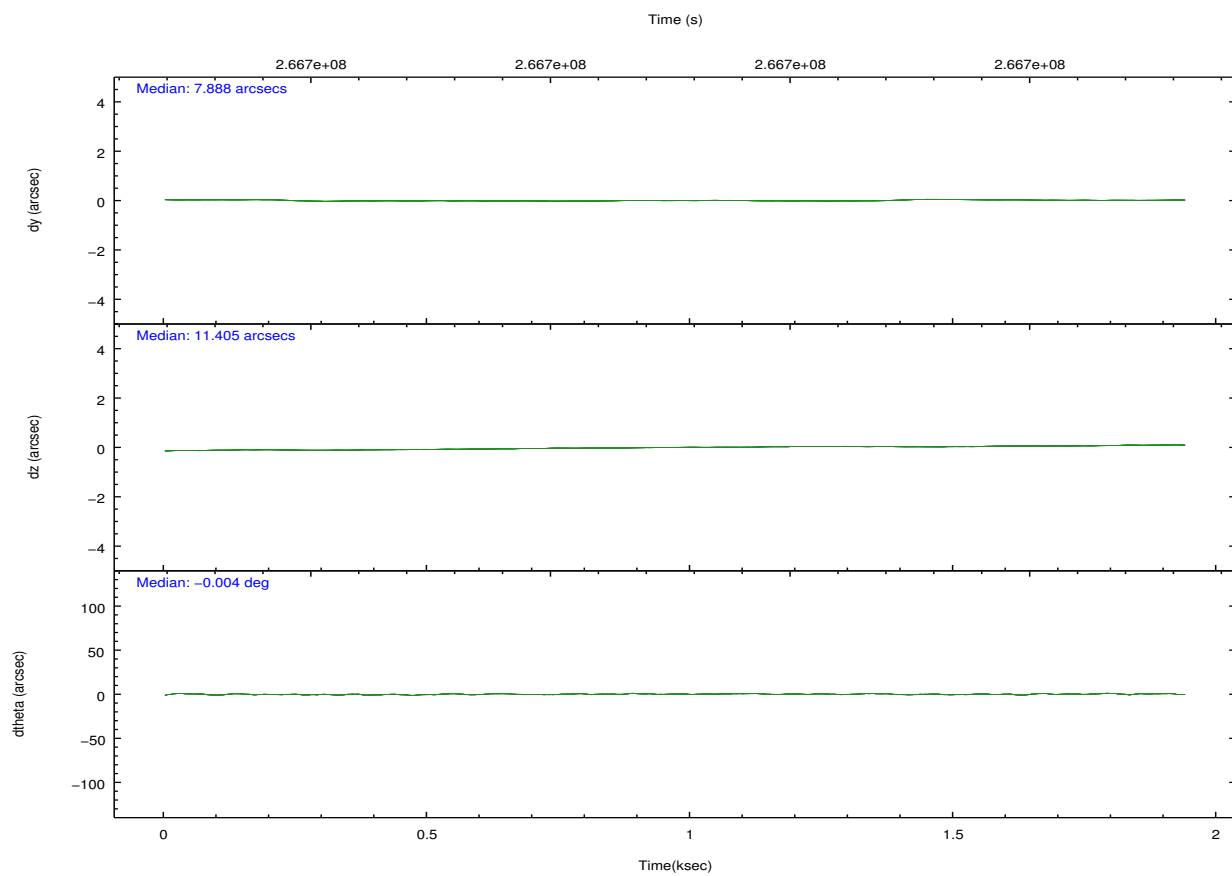
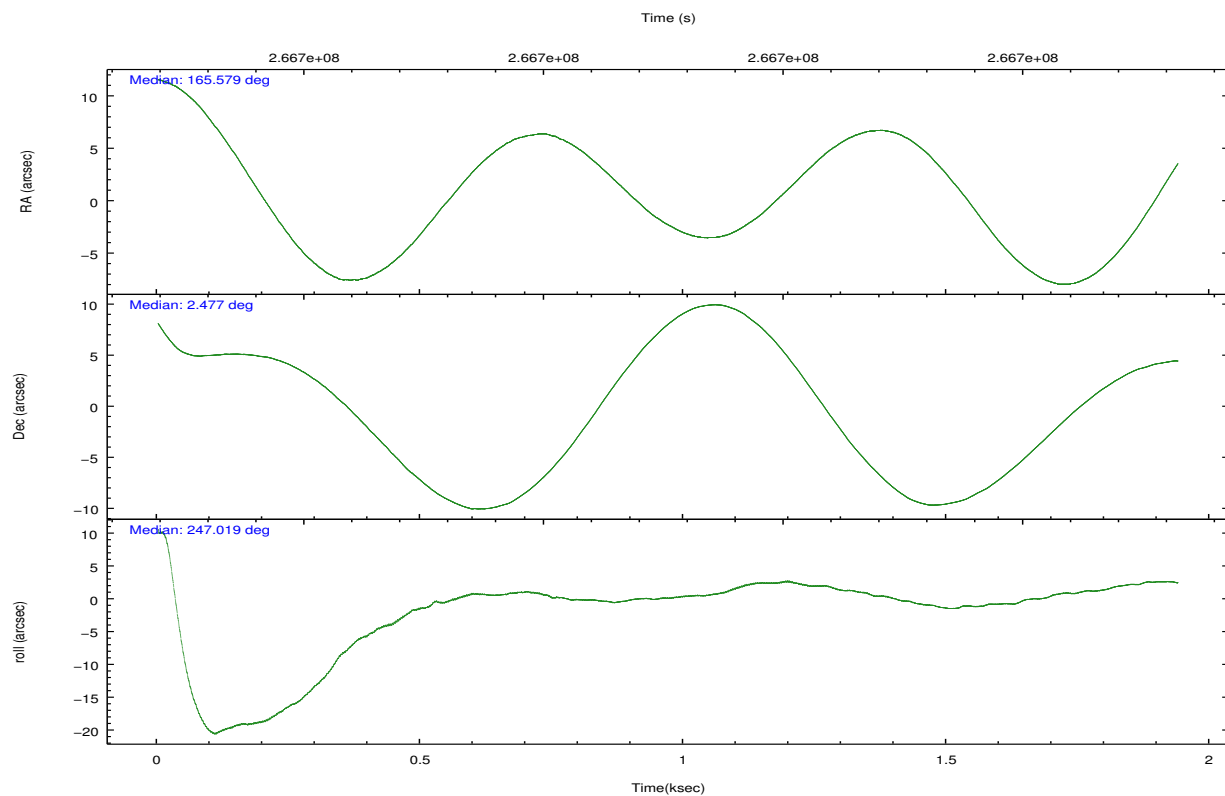
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	309	342	671	363	401	810
	2%	3%	8%	3%	7%	6%
grade 1 events	5	8	17	7	19	5
	0%	0%	0%	0%	0%	0%
grade 2 events	201	169	1577	161	734	707
	1%	1%	18%	1%	13%	5%
grade 3 events	72	105	271	80	336	255
	0%	1%	3%	0%	6%	2%
grade 4 events	83	90	230	94	333	281
	0%	0%	2%	1%	6%	2%
grade 5 events	142	183	714	189	587	318
	1%	1%	8%	2%	10%	2%
grade 6 events	100	114	2303	139	1304	788
	0%	1%	27%	1%	23%	6%
grade 7 events	10051	8324	2595	8130	1758	9353
	91%	89%	30%	88%	32%	74%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	165.575940	165.5795011850108	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.503301	2.47633036948252	Alternating exposures requested	N	N
[deg] Pointing Roll	246.872115	247.0287480741615	[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)	266696234.184000	266695098.90335			
Observation start date	2006-06-14T18:16:09	2006-06-14T17:58:18			
[s] Observation end time (MET)	266697734.184000	266698494.72851			
Observation end date	2006-06-14T18:41:09	2006-06-14T18:54:54			
Read mode	TIMED	TIMED			

2.3 Aspect



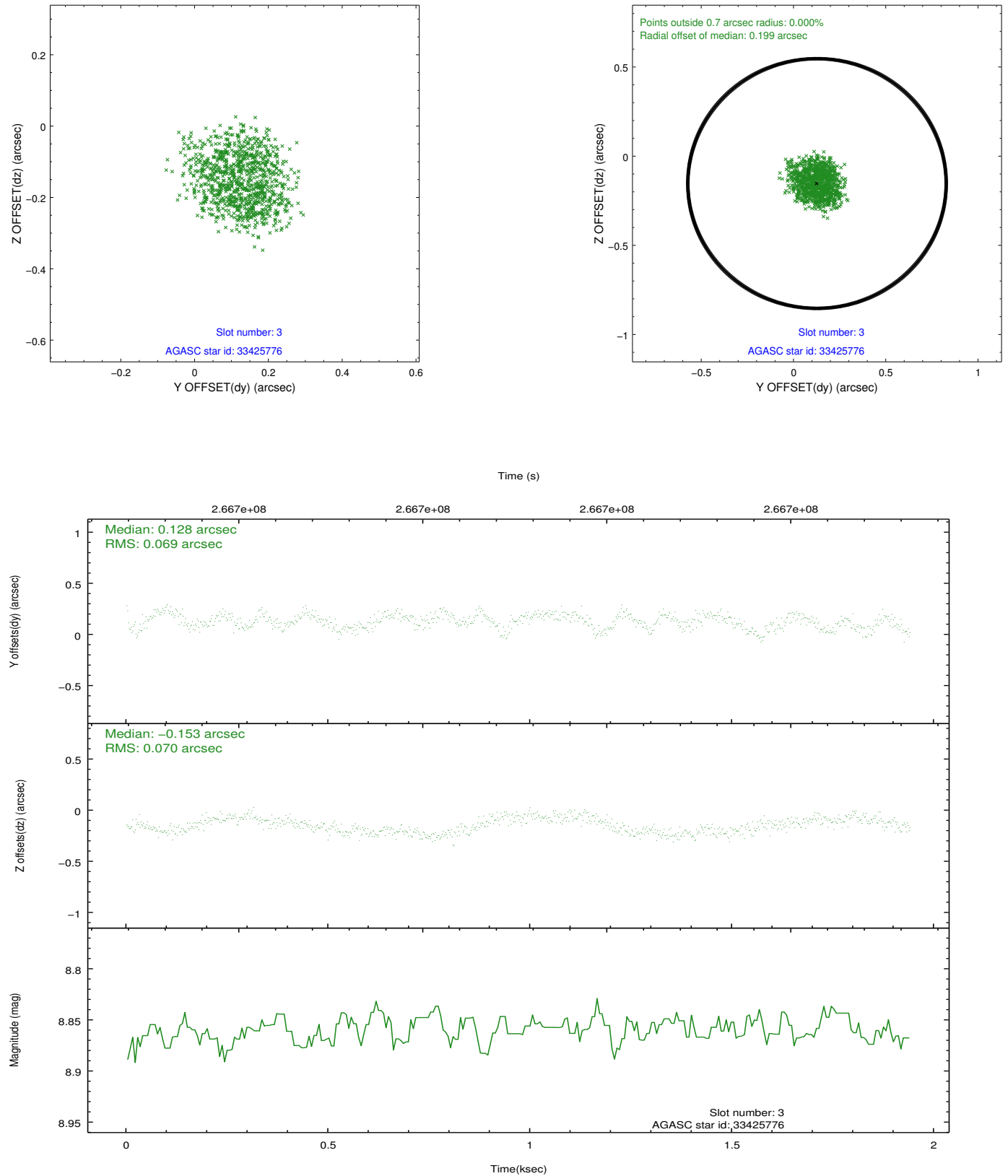


Slot Statistics

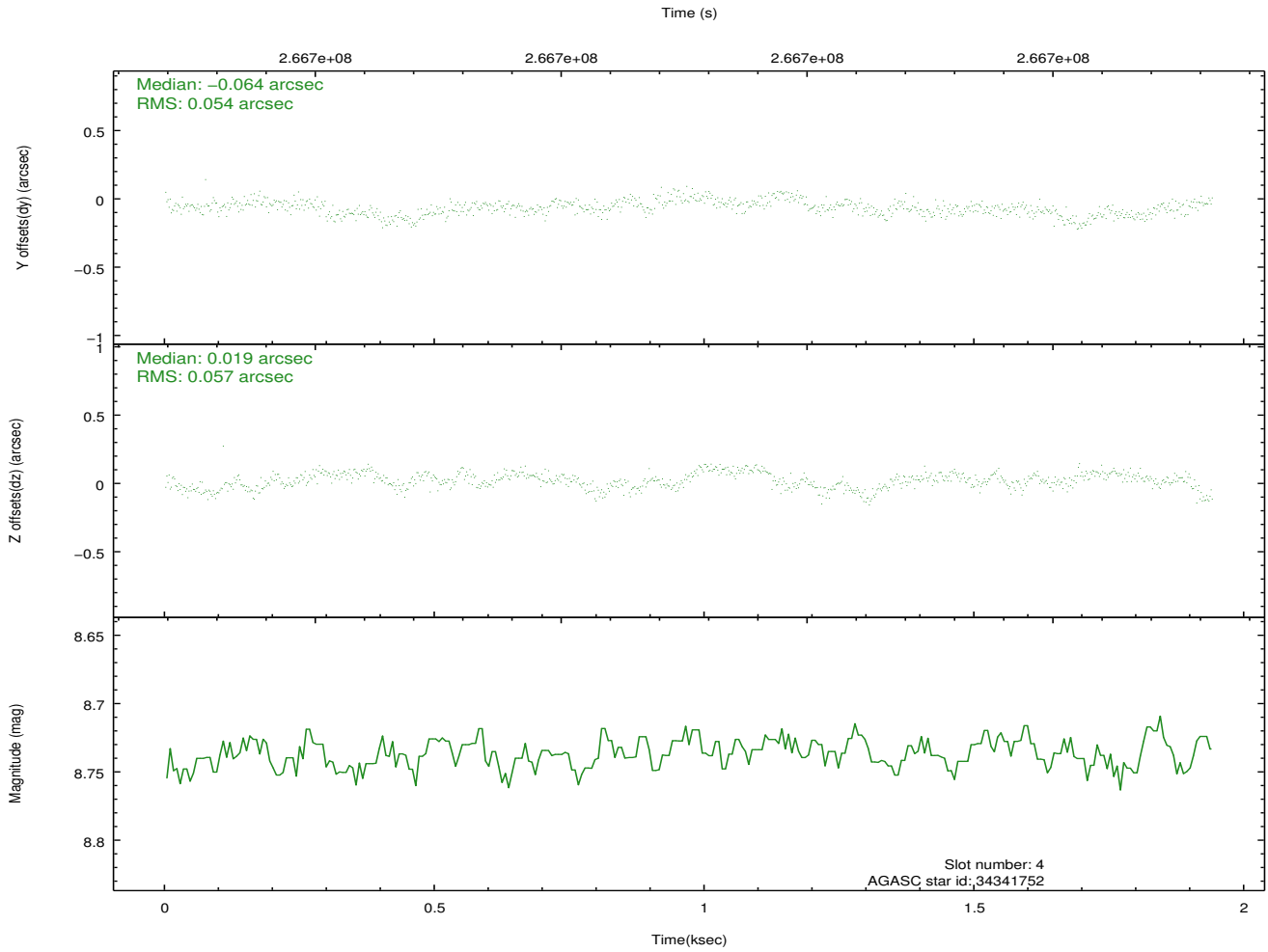
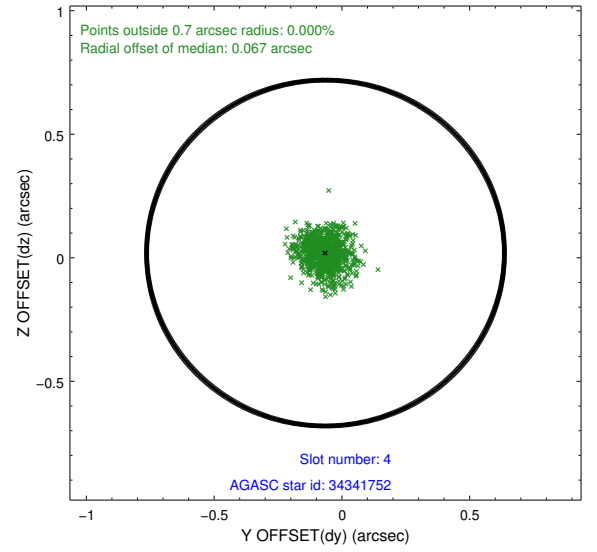
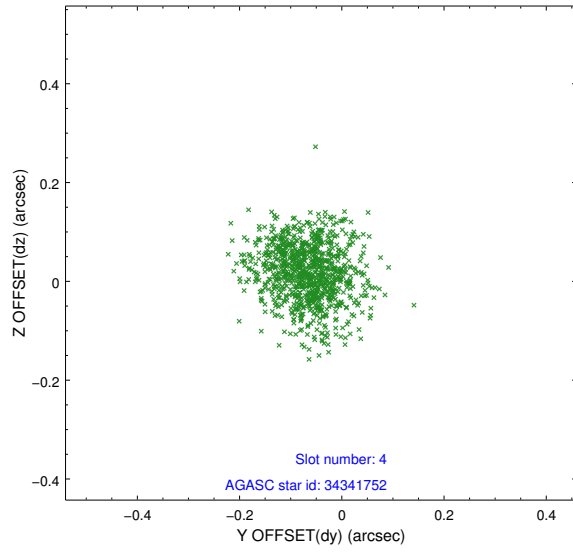
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	474	-0.065	-0.048	0.006	0.011	0.000000	0.000000	-760.72	-1732.73
1	FID	ACIS-S-4	7.21	473	0.083	0.020	0.006	0.011	0.000000	0.000000	2151.15	172.34
2	FID	ACIS-S-6	7.35	473	-0.046	0.036	0.006	0.010	0.000000	0.000000	405.61	813.59
3	GUIDE	33425776	8.86	946	0.128	-0.153	0.108	0.159	164.749355	2.195075	2188.43	-2298.31
4	GUIDE	34341752	8.74	946	-0.064	0.019	0.083	0.134	165.034896	2.226387	1683.69	-1400.27
5	GUIDE	34341888	8.37	947	0.021	-0.012	0.068	0.119	165.574547	2.189540	1042.62	437.94
6	GUIDE	34742832	10.22	947	-0.174	-0.067	0.214	0.334	165.675255	3.125213	-2198.06	-550.62
7	GUIDE	34348304	8.95	944	0.098	0.205	0.090	0.155	165.999771	1.832837	1617.97	2351.10

2.4 Star Slots

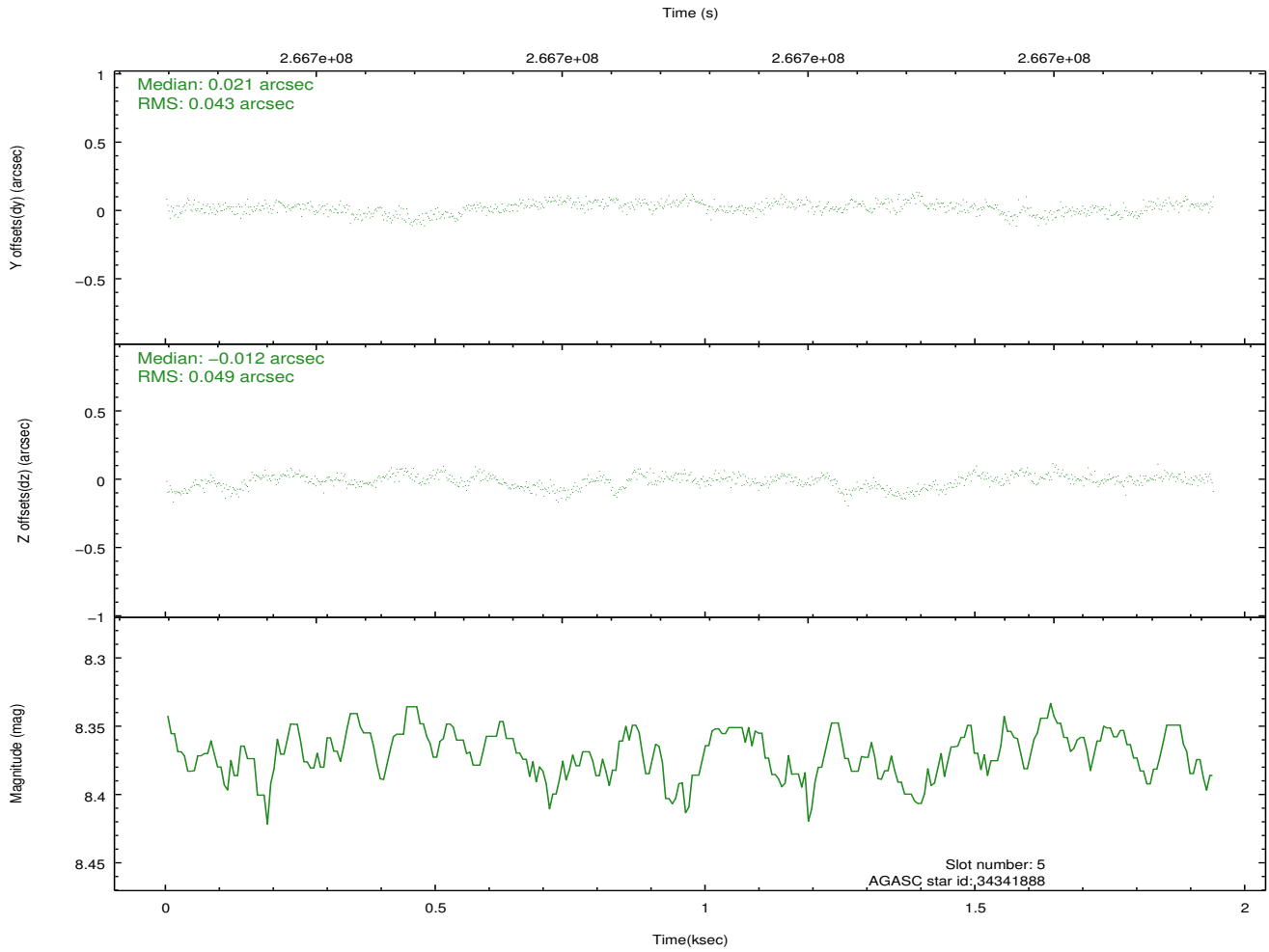
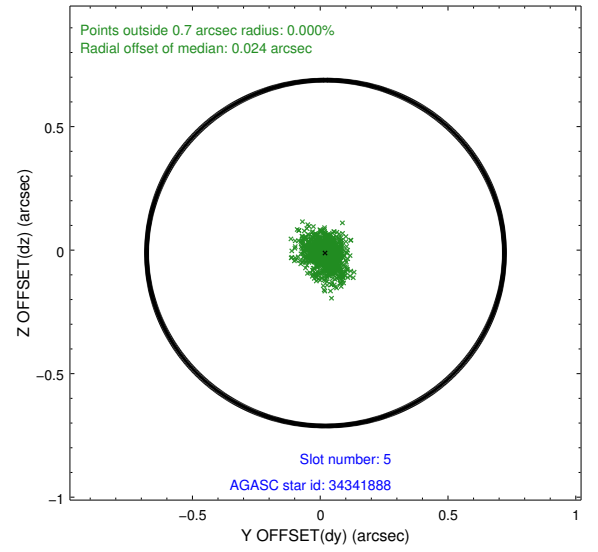
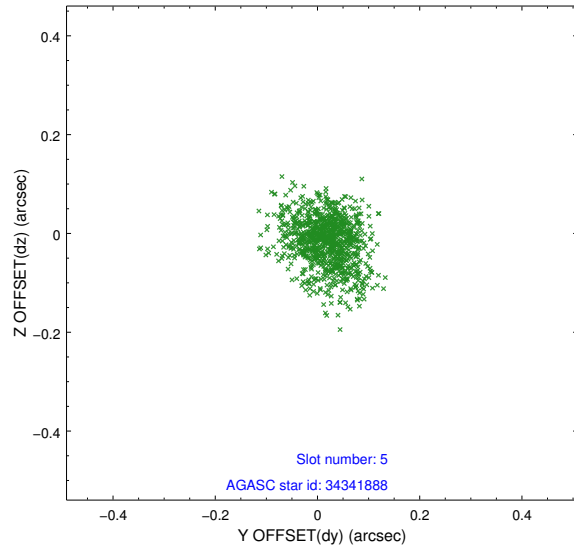
2.4.1 Slot 3



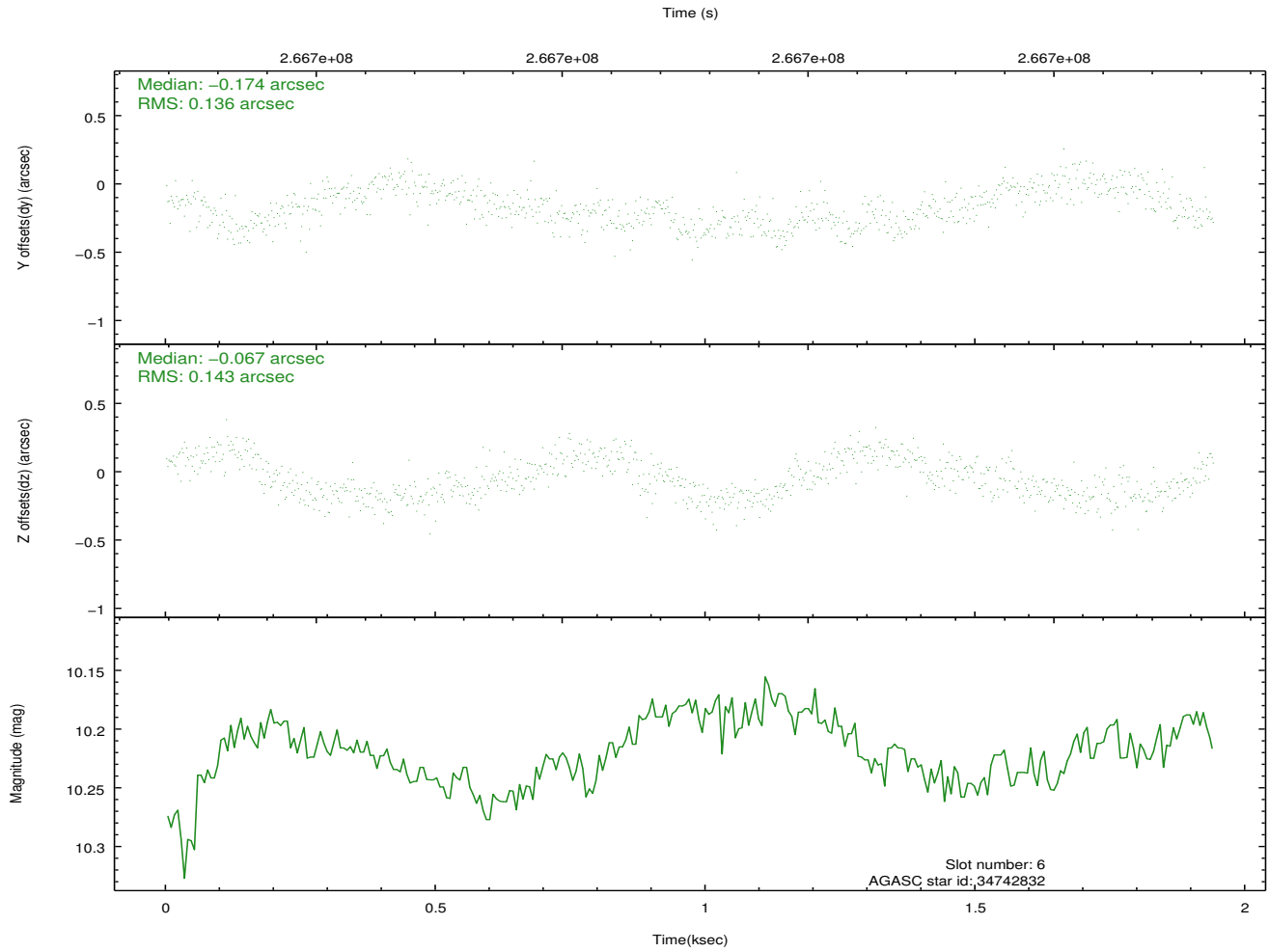
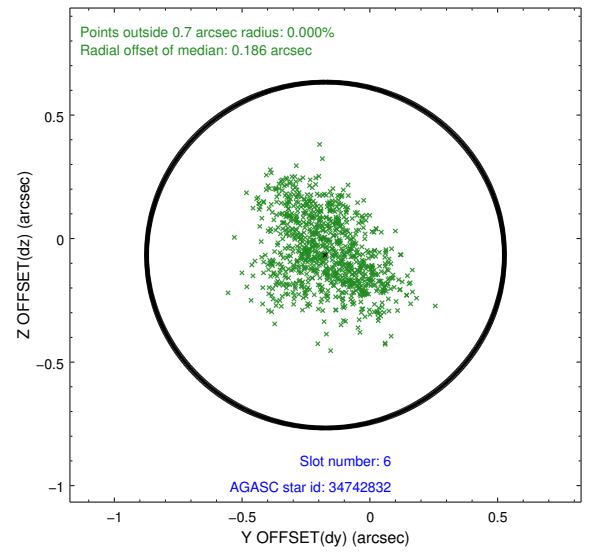
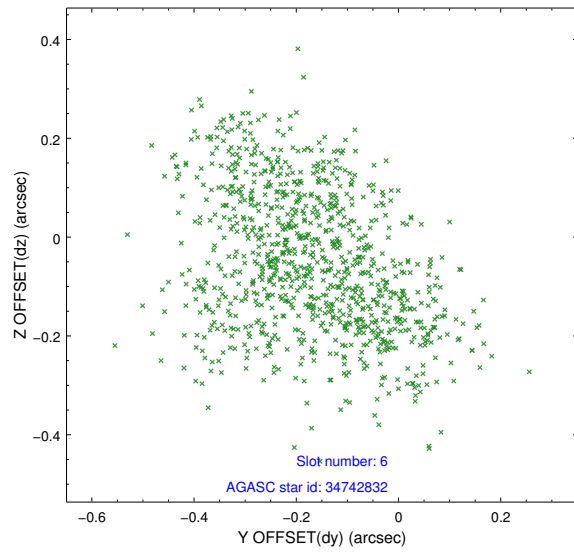
2.4.2 Slot 4



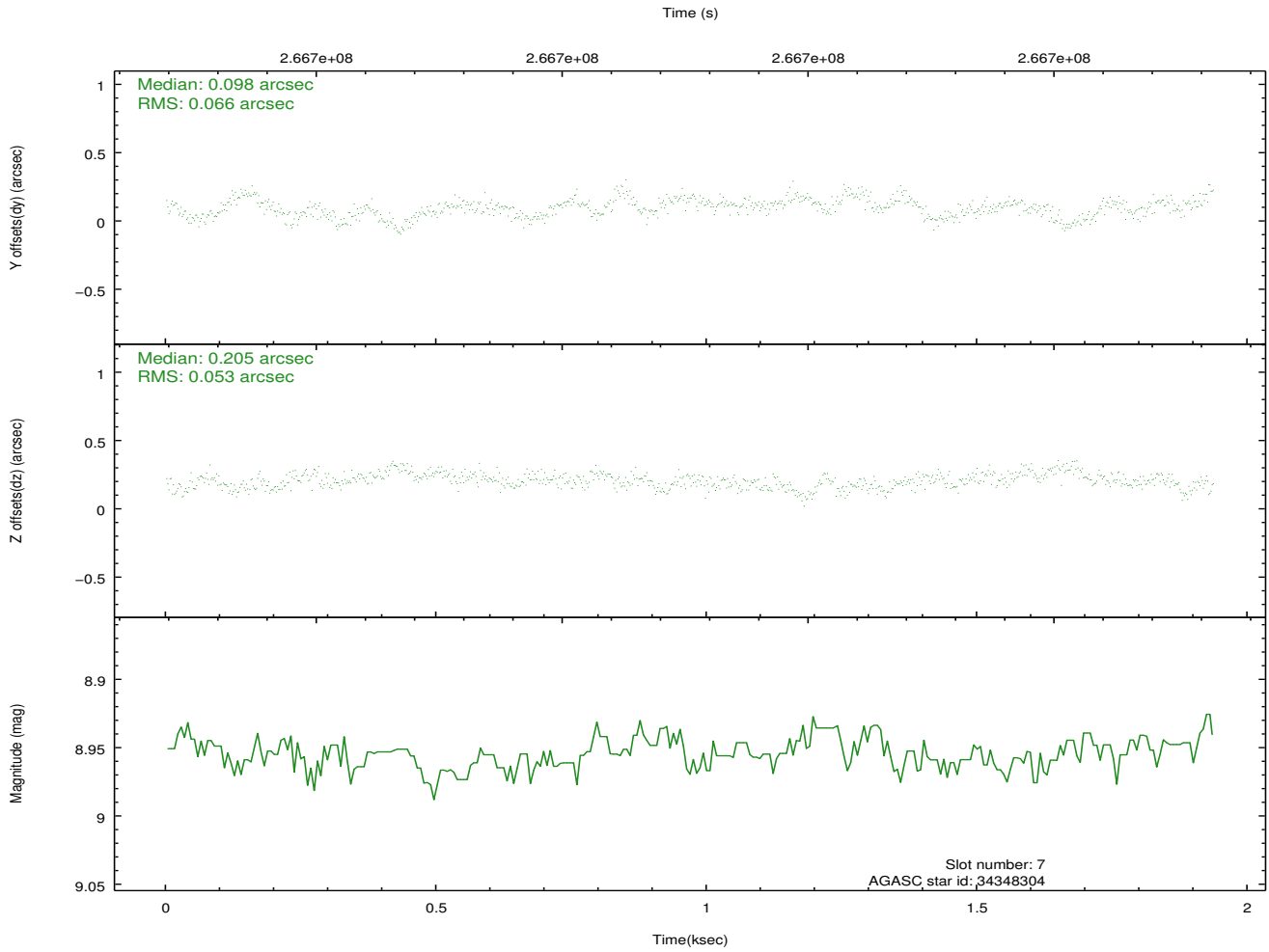
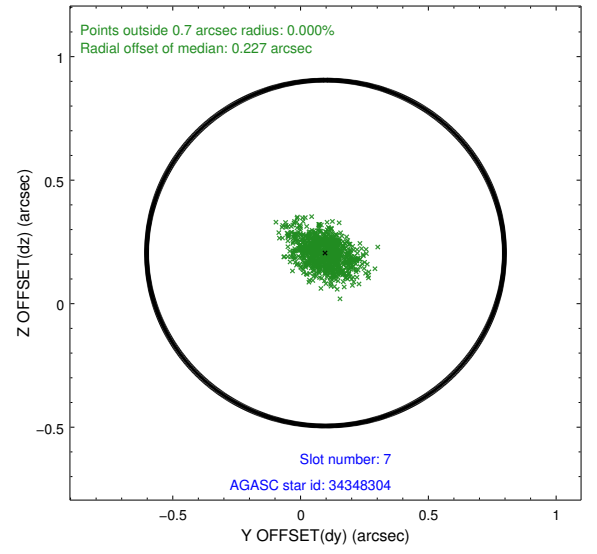
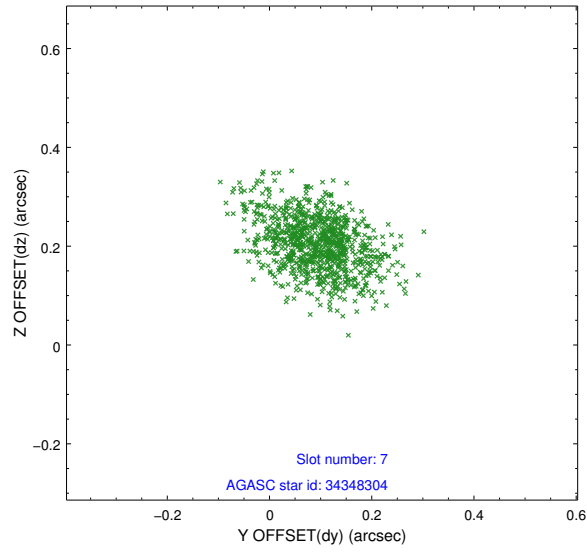
2.4.3 Slot 5



2.4.4 Slot 6

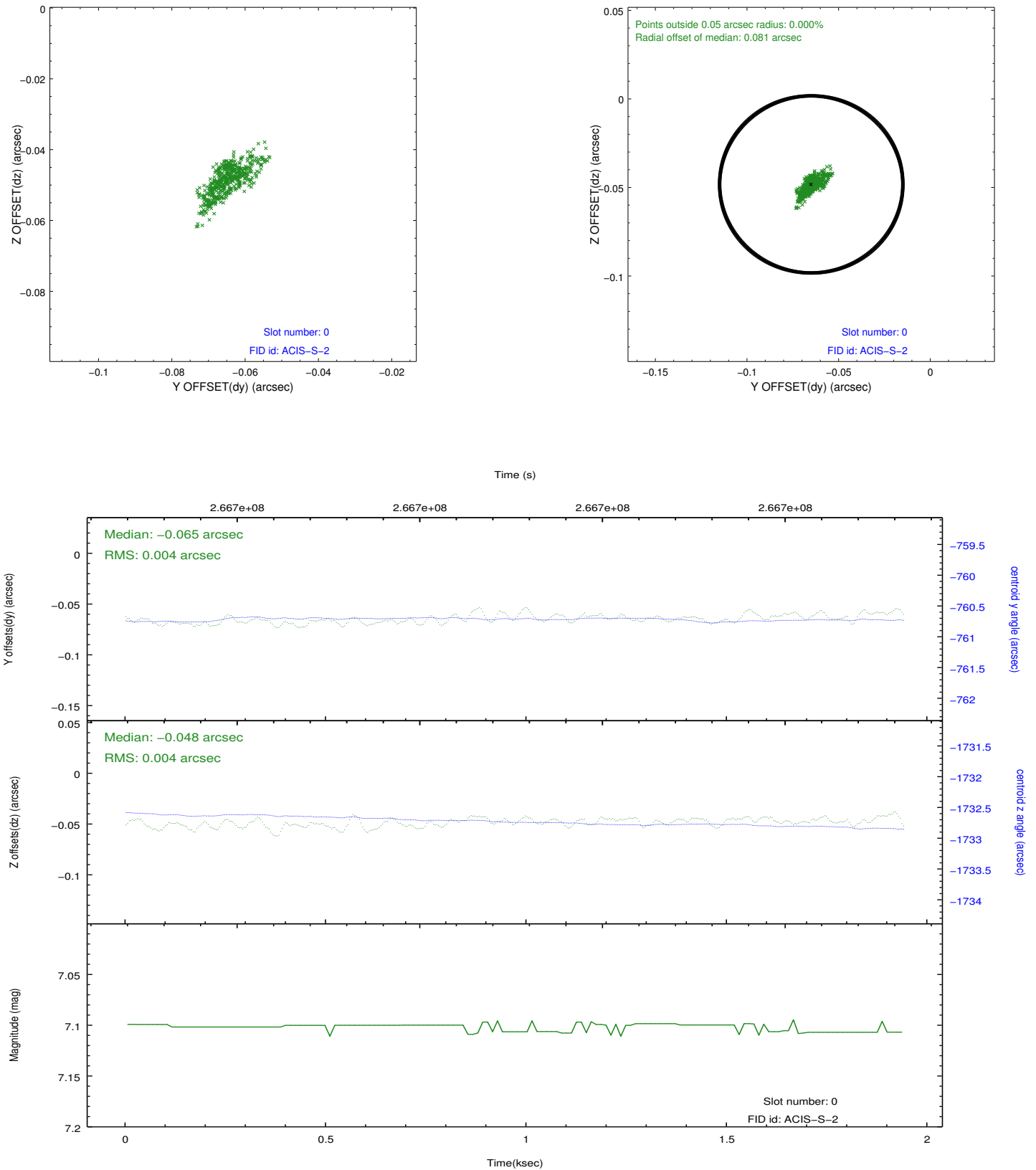


2.4.5 Slot 7

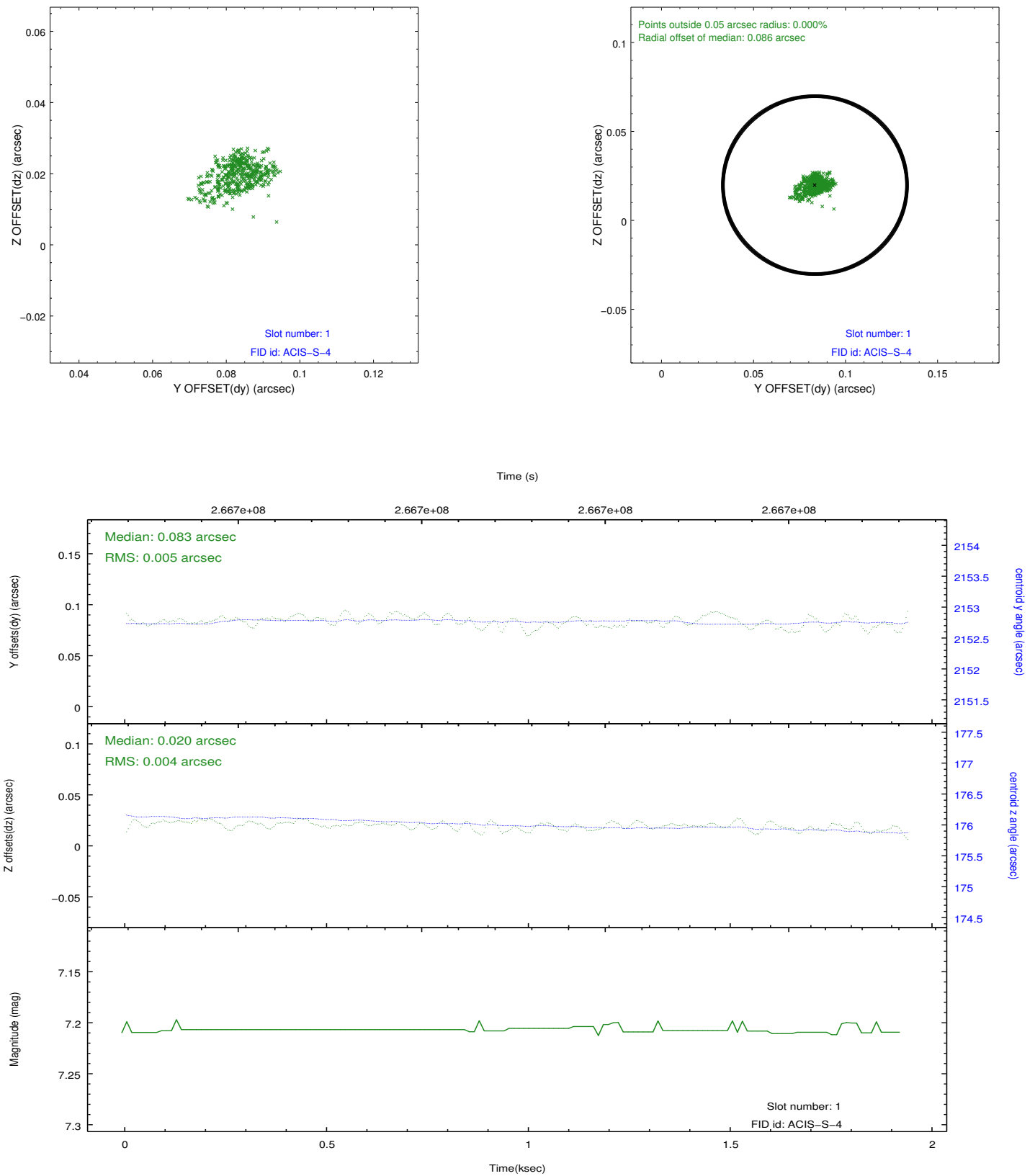


2.5 FID Slots

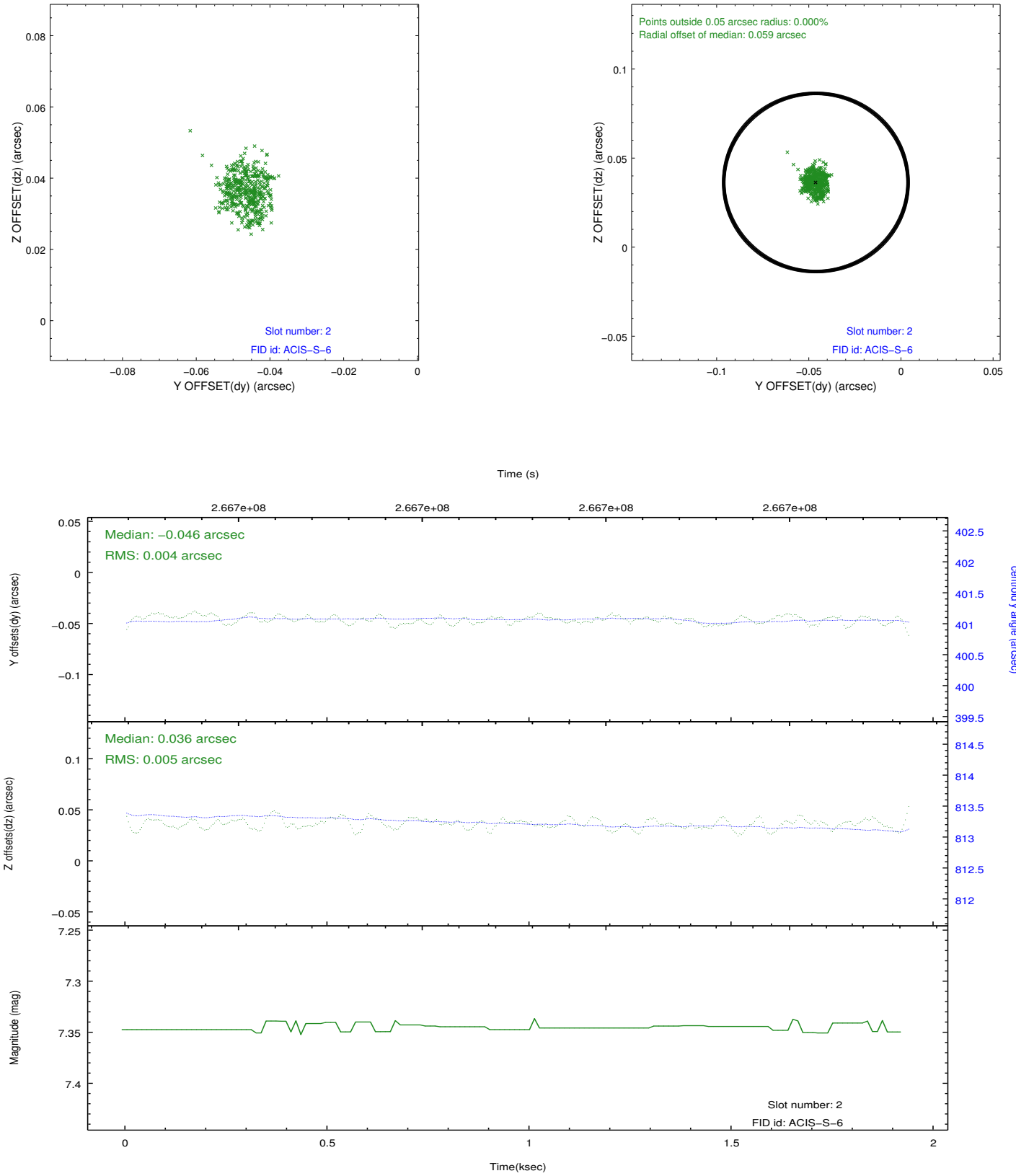
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.54239999

A.2 Comments