

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 15978 - L2 Version 1
Chandra X-Ray Center

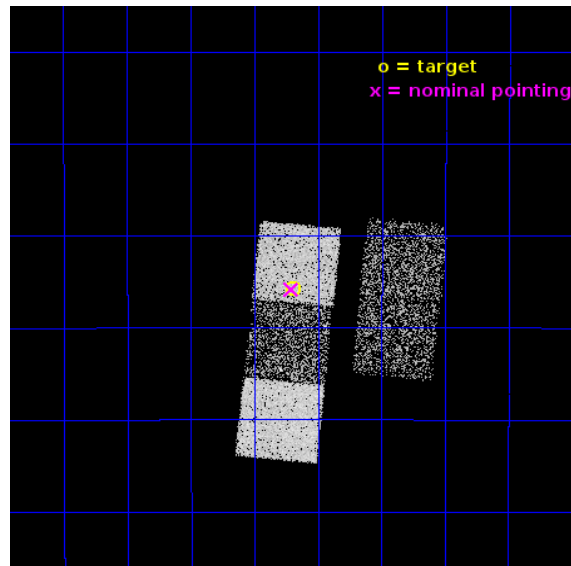
L2 Processing Date : Jul 25 2014

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1 Front

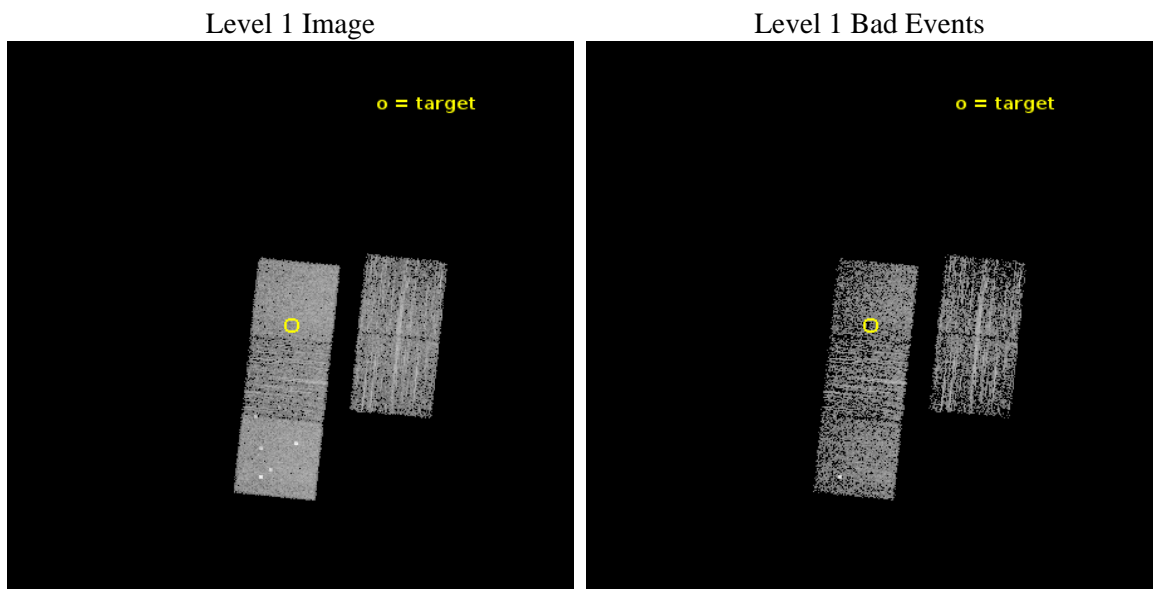
seq_num	502211	Sequence number
obs_id	15978	Observation id
title	Where Have All The Central Compact Objects Gone?	Proposal title
observer	Dr Eric Gotthelf	Principal investigator
object	PSR J1755-2725	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.924167	Observer's specified target RA [deg]
dec_targ	-27.429167	Observer's specified target Dec [deg]
ra_nom	268.92734093769	Nominal RA [deg]
dec_nom	-27.430730682035	Nominal Dec [deg]
roll_nom	275.80462086228	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3565.0000274181	Sum of GTIs [s]
liveltime	3518.4206775451	Livetime [s]
ontime2	3565.0000274181	Sum of GTIs [s]
ontime3	3565.0000274181	Sum of GTIs [s]
ontime5	3565.0000274181	Sum of GTIs [s]
ontime6	3565.0000274181	Sum of GTIs [s]
ontime7	3565.0000274181	Sum of GTIs [s]
l2events	30256	Number of level 2 events



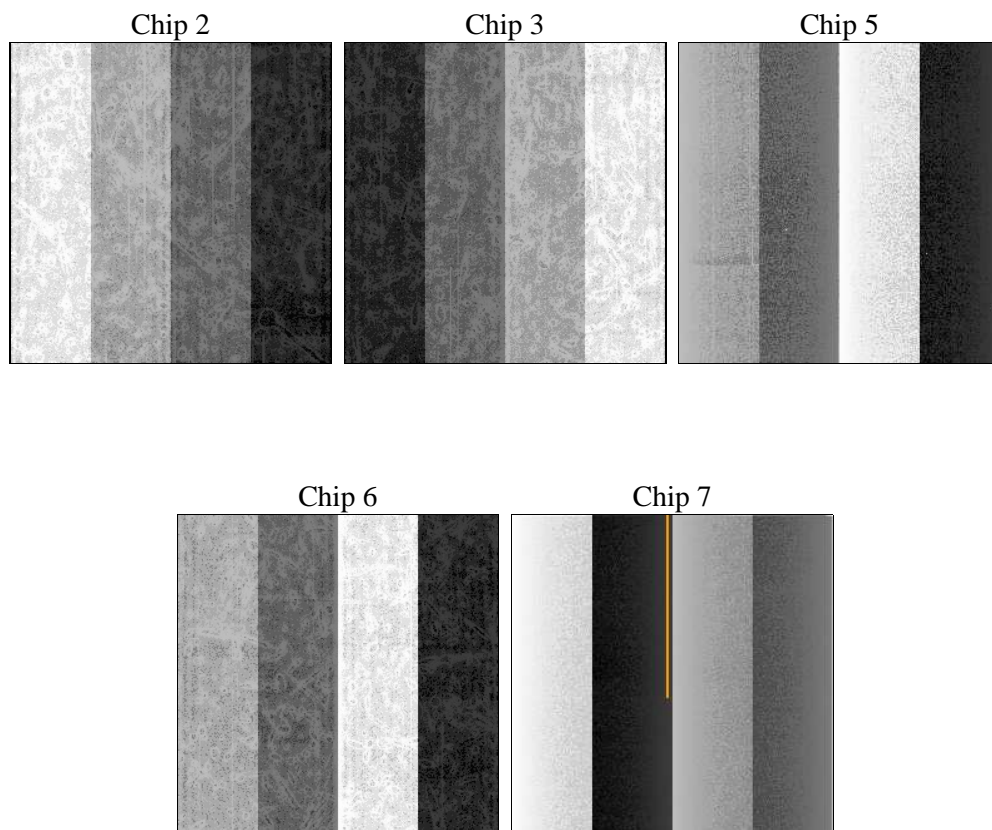
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	3565.0000274181	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	3565.0000274181	Sum of GTIs [s]
date	2014-07-25T23:54:06	Date and time of file creation	ontime3	3565.0000274181	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	3565.0000274181	Sum of GTIs [s]
			ontime6	3565.0000274181	Sum of GTIs [s]
			ontime7	3565.0000274181	Sum of GTIs [s]
			l1events	110410	Number of level 1 events

2.1.4 Events

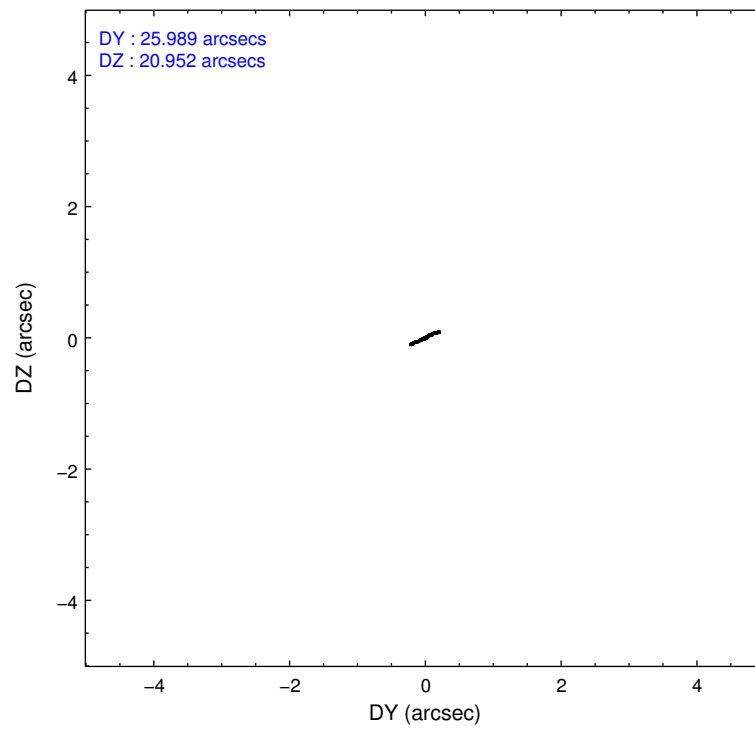
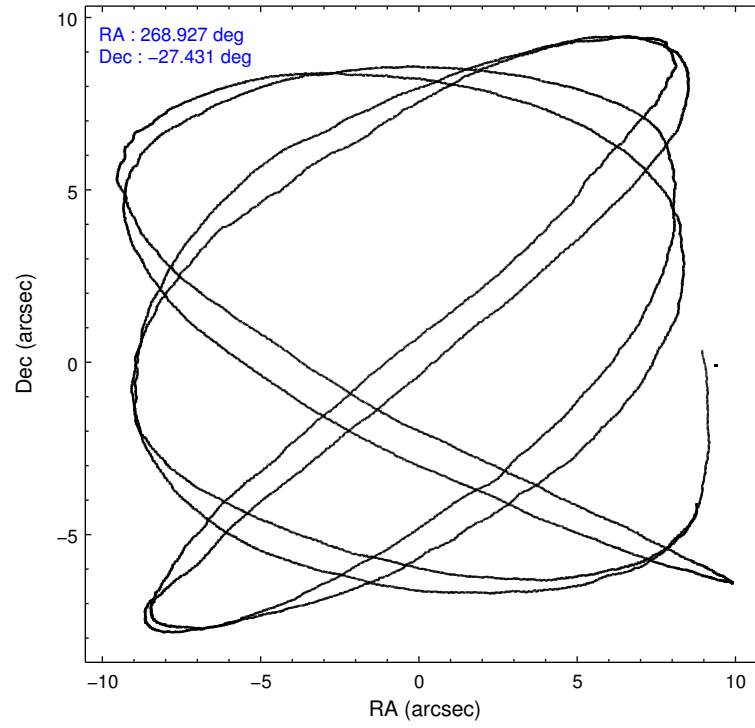
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	17588	17418	32217	18070	25117
rejected events	15411	15231	16121	15538	14184
rejected %	87%	87%	50%	85%	56%

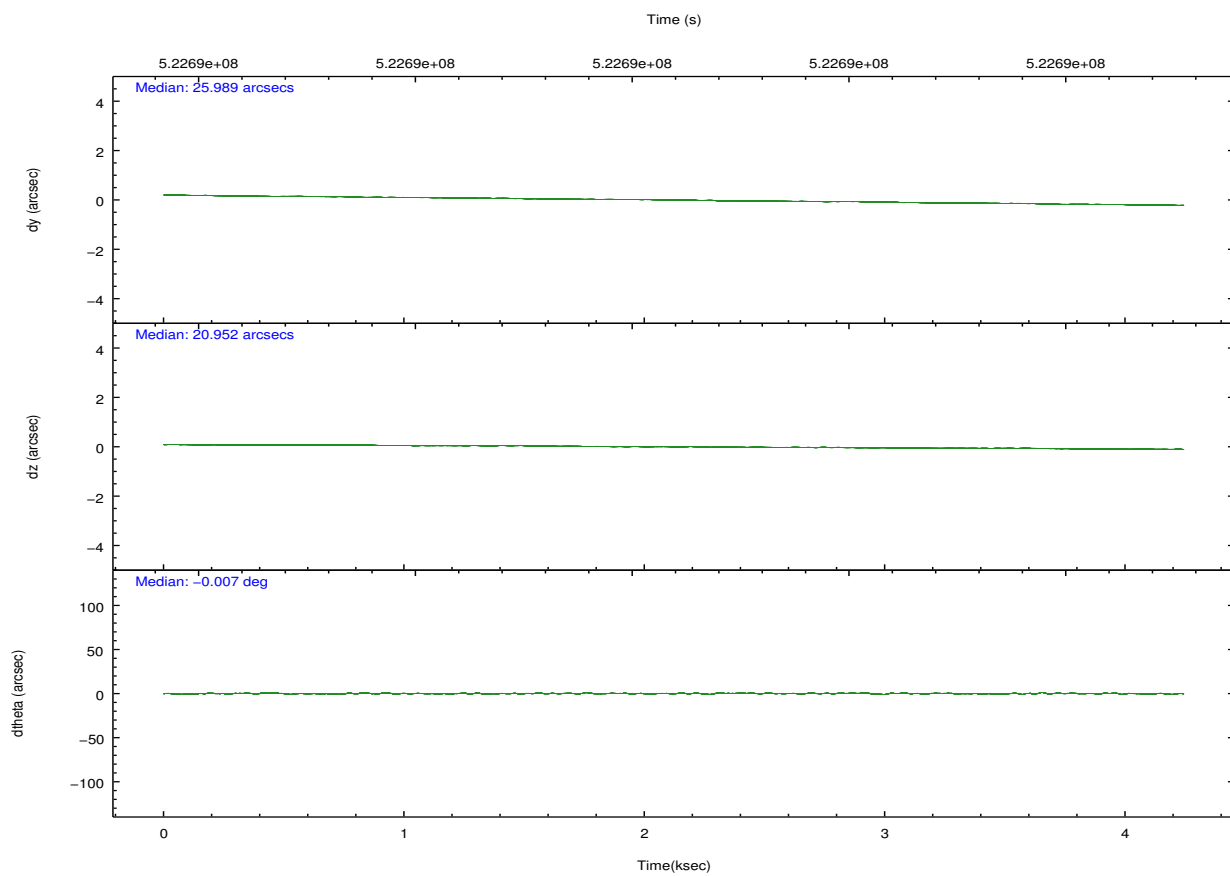
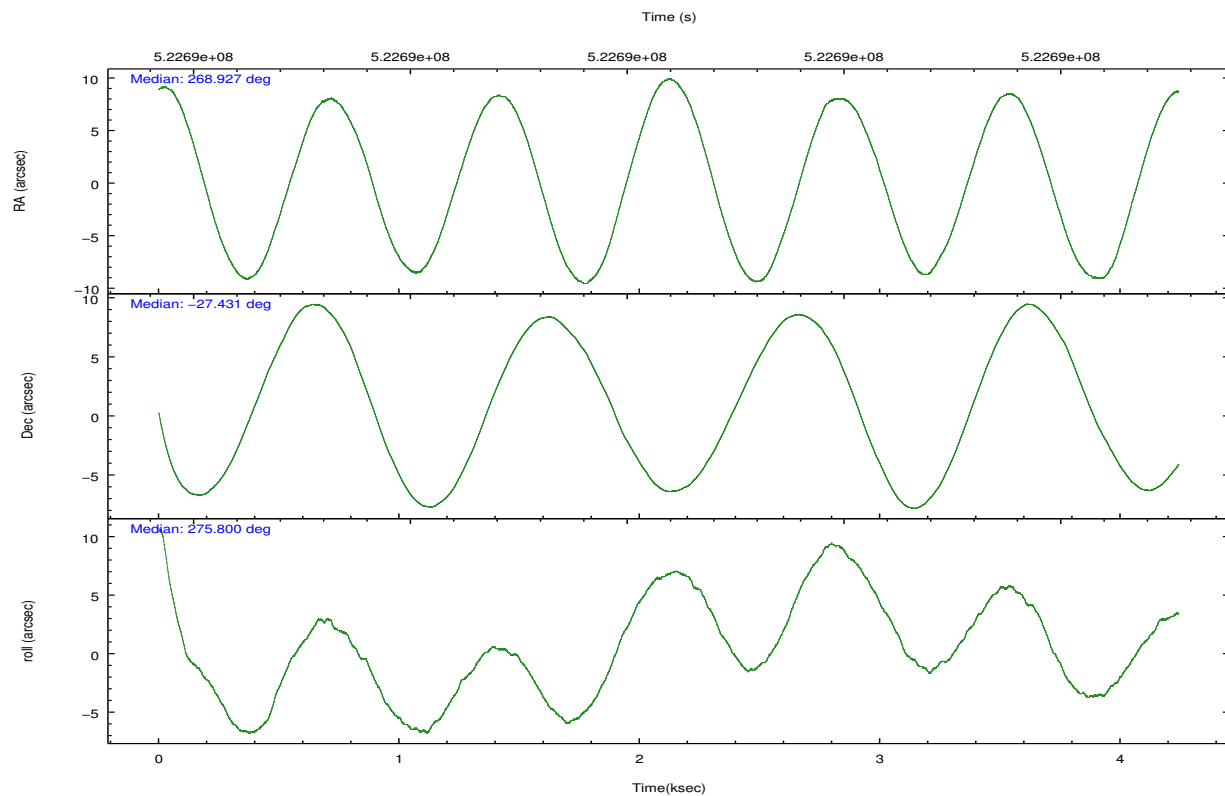
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	920	794	2843	979	988
	5%	4%	8%	5%	3%
grade 1 events	12	8	78	9	19
	0%	0%	0%	0%	0%
grade 2 events	468	504	4525	563	2268
	2%	2%	14%	3%	9%
grade 3 events	214	223	570	215	965
	1%	1%	1%	1%	3%
grade 4 events	205	234	495	248	886
	1%	1%	1%	1%	3%
grade 5 events	793	892	2430	912	2622
	4%	5%	7%	5%	10%
grade 6 events	377	436	7695	529	5841
	2%	2%	23%	2%	23%
grade 7 events	14599	14327	13581	14615	11528
	83%	82%	42%	80%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	268.908859	268.9273409376904	CCD I2 on	O2	Y
[deg] Pointing Dec	-27.408568	-27.43073068203528	CCD I3 on	O3	Y
[deg] Pointing Roll	275.639446	275.8046208622823	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	522688809.184000	522687587.61152	CCD S5 on	N	N
Observation start date	2014-07-25T15:19:02	2014-07-25T14:59:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	522692309.184000	522692809.9868	On-chip summing requested	N	N
Observation end date	2014-07-25T16:17:22	2014-07-25T16:26:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



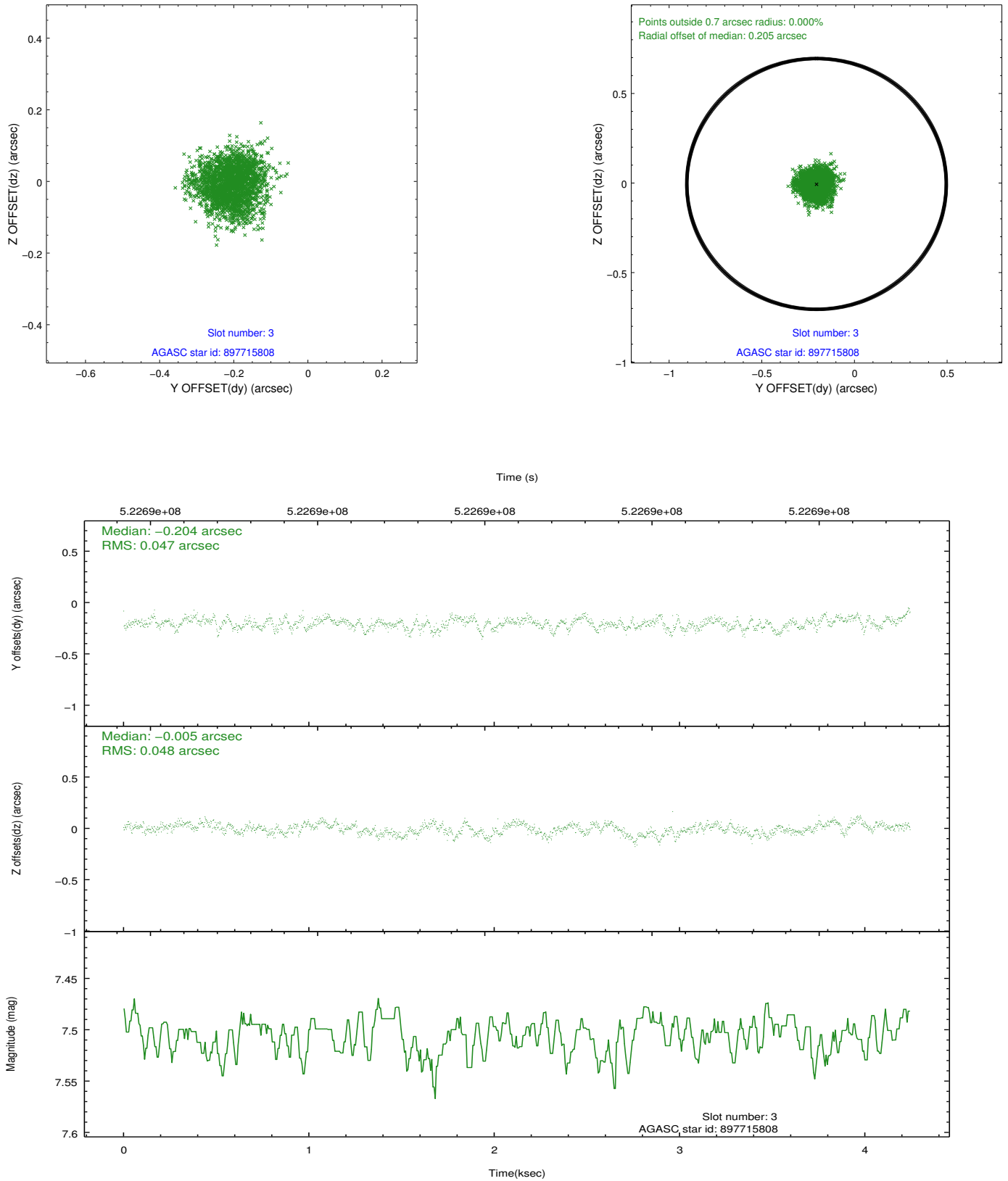


Slot Statistics

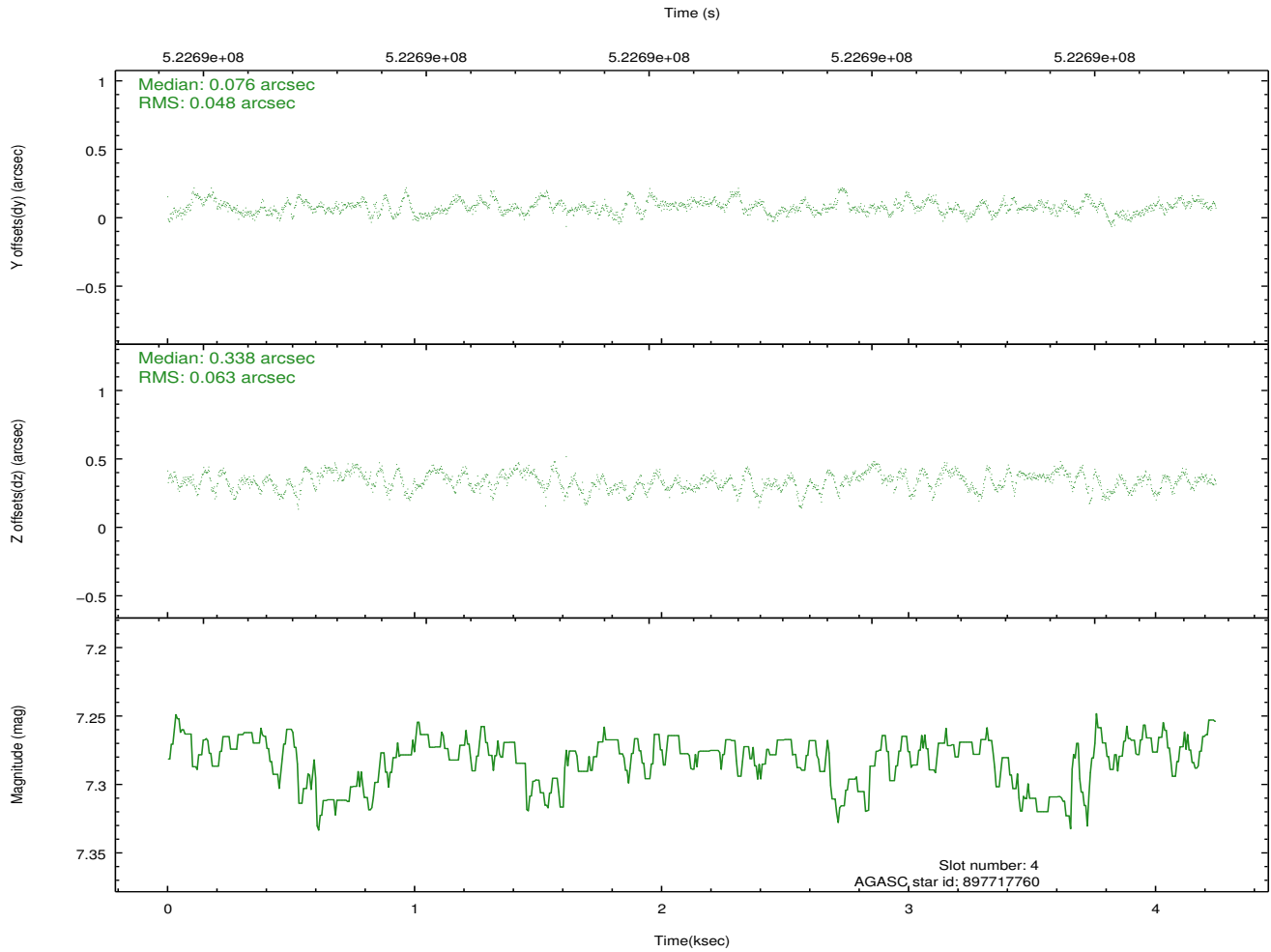
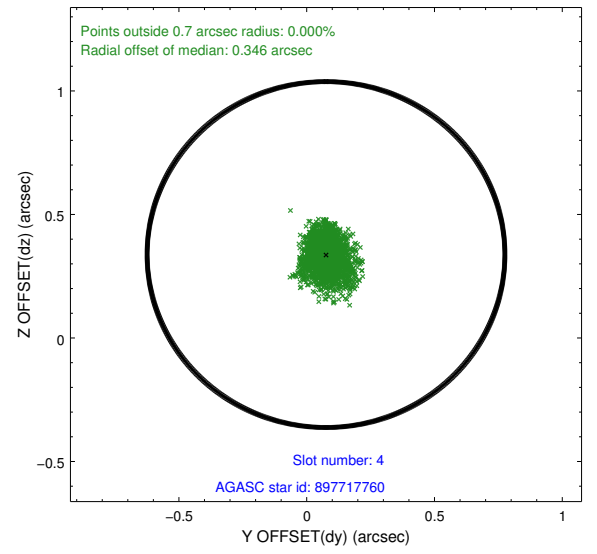
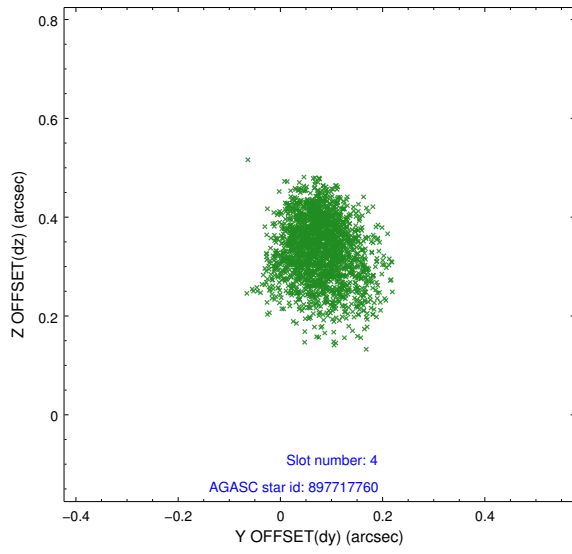
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.10	1035	0.065	-0.075	0.009	0.017	0.000000	0.000000	916.89	-1738.12
1	FID	ACIS-S-5	7.14	1036	-0.196	0.013	0.007	0.013	0.000000	0.000000	-1831.61	157.95
2	FID	ACIS-S-6	7.24	1035	0.109	0.073	0.007	0.012	0.000000	0.000000	380.84	803.67
3	GUIDE	897715808	7.50	2071	-0.204	-0.005	0.073	0.115	269.101805	-26.773394	-2213.24	841.50
4	GUIDE	897717760	7.28	2071	0.076	0.338	0.085	0.138	268.392593	-27.282645	-610.94	-1598.72
5	GUIDE	897720600	8.25	2070	0.066	0.075	0.082	0.138	268.319864	-27.628963	609.52	-1948.64
6	GUIDE	897721048	7.82	2071	-0.240	-0.367	0.145	0.192	268.989561	-28.030814	2254.56	34.13
7	GUIDE	897721112	8.72	2069	0.297	-0.041	0.139	0.220	268.338159	-28.057278	2151.65	-2033.96

2.4 Star Slots

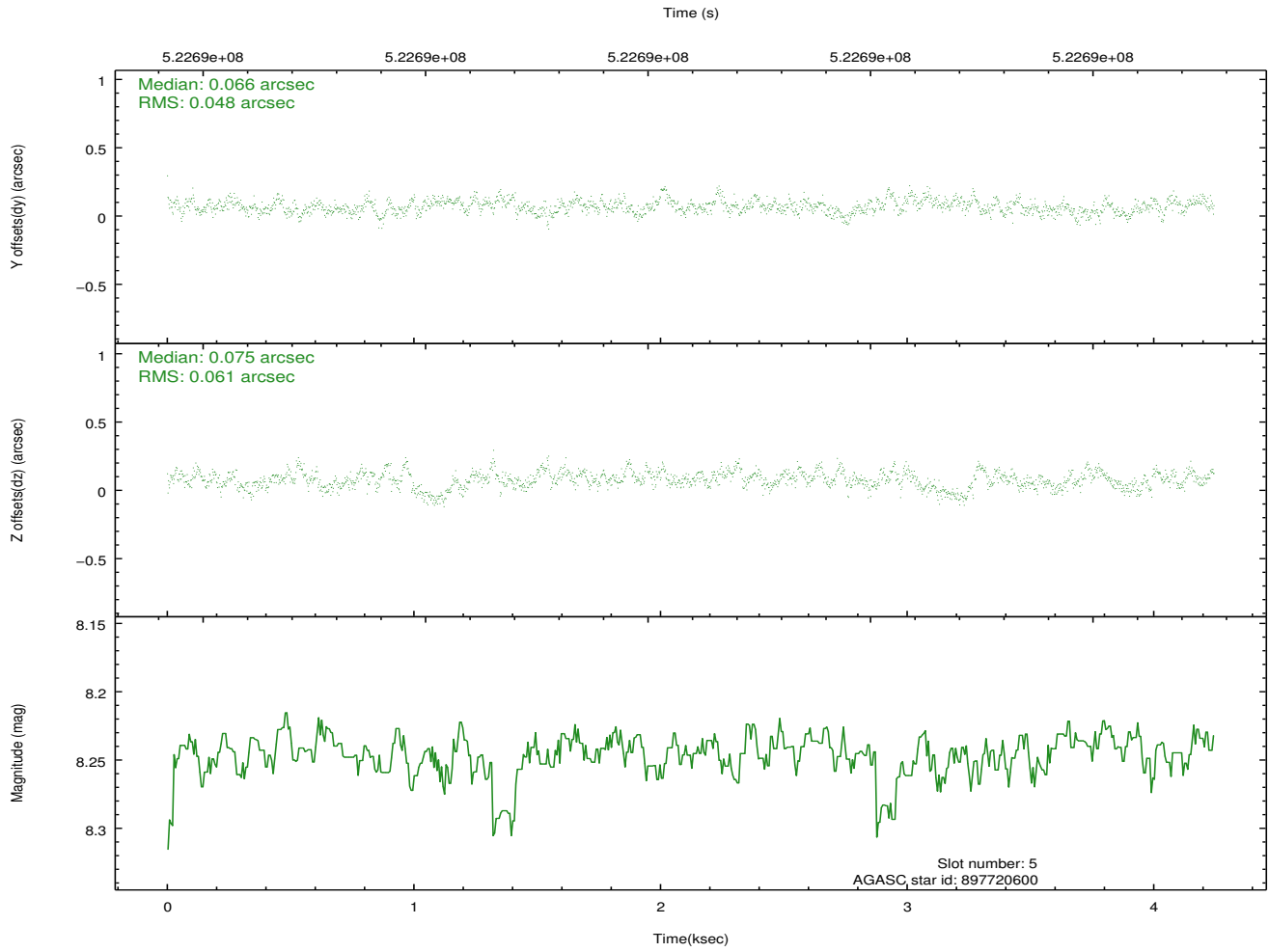
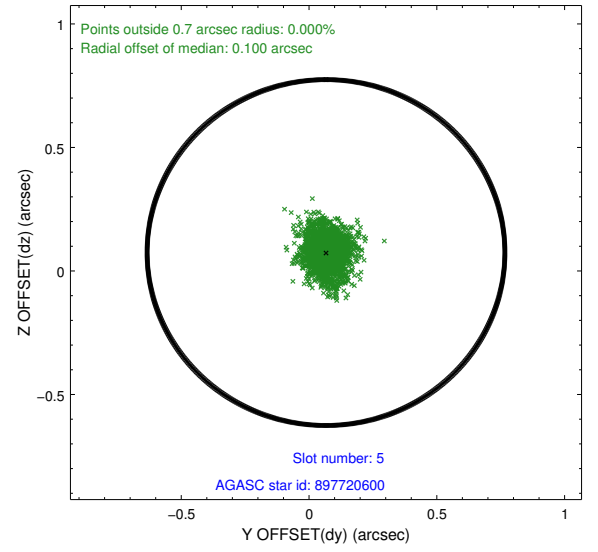
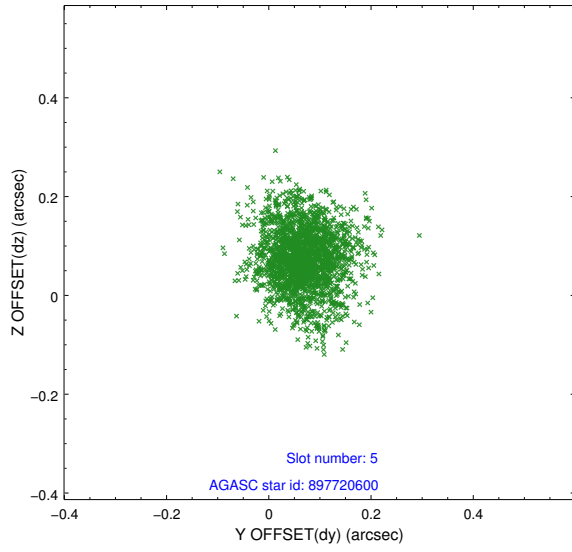
2.4.1 Slot 3



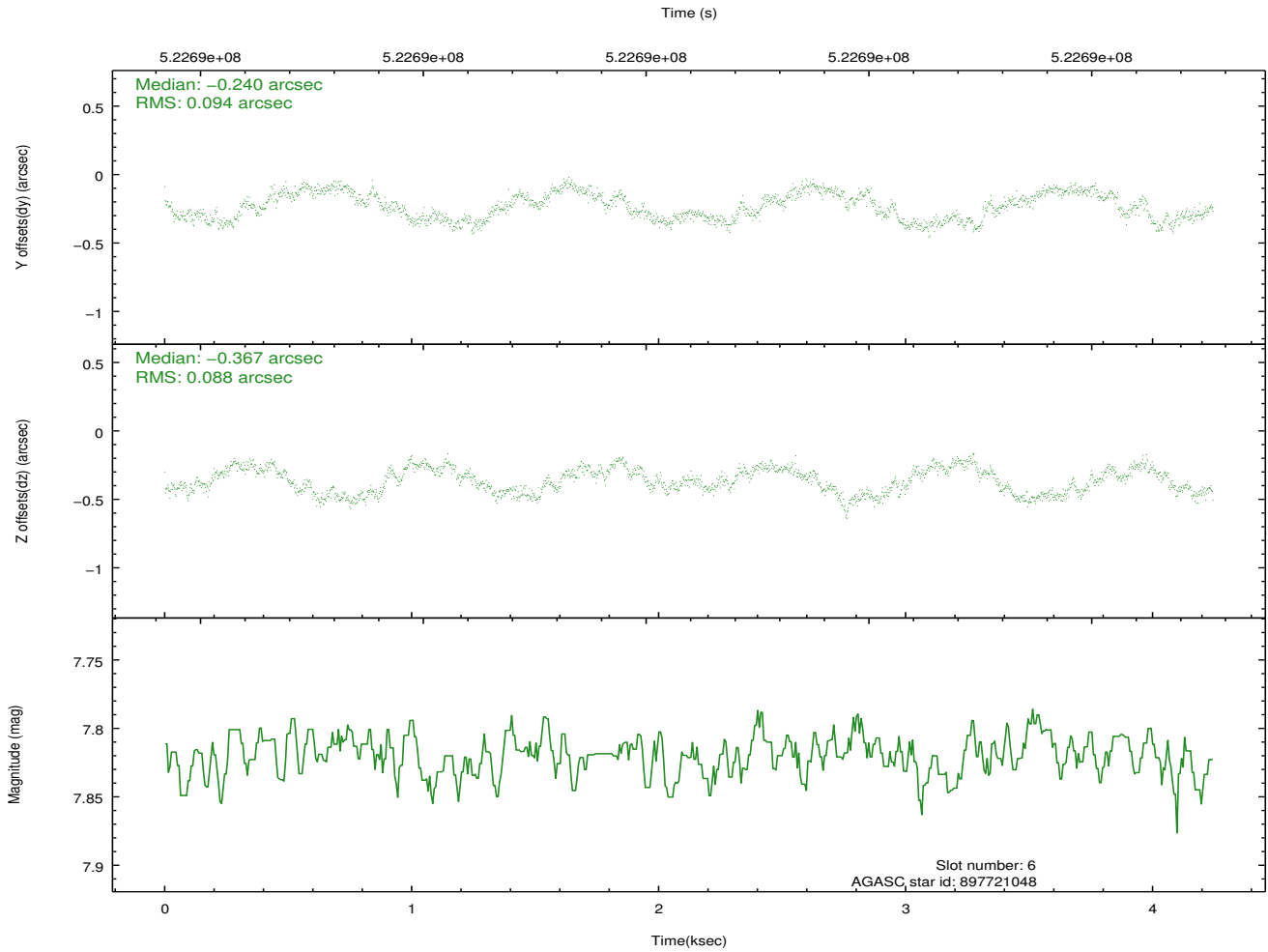
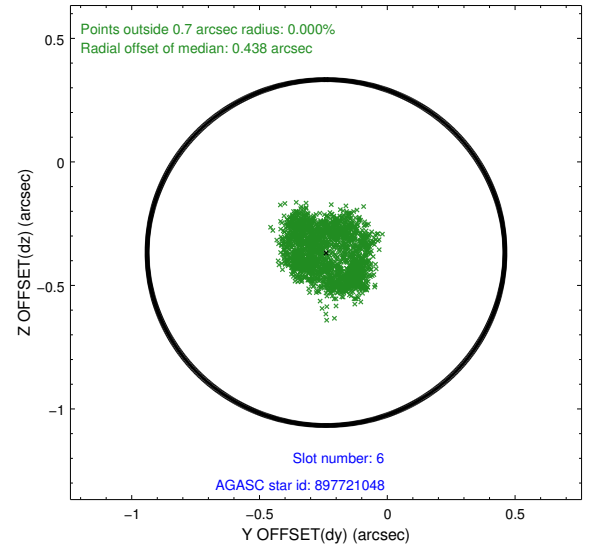
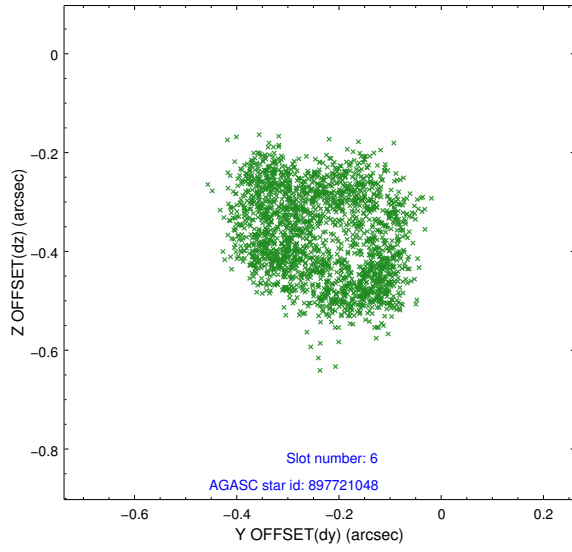
2.4.2 Slot 4



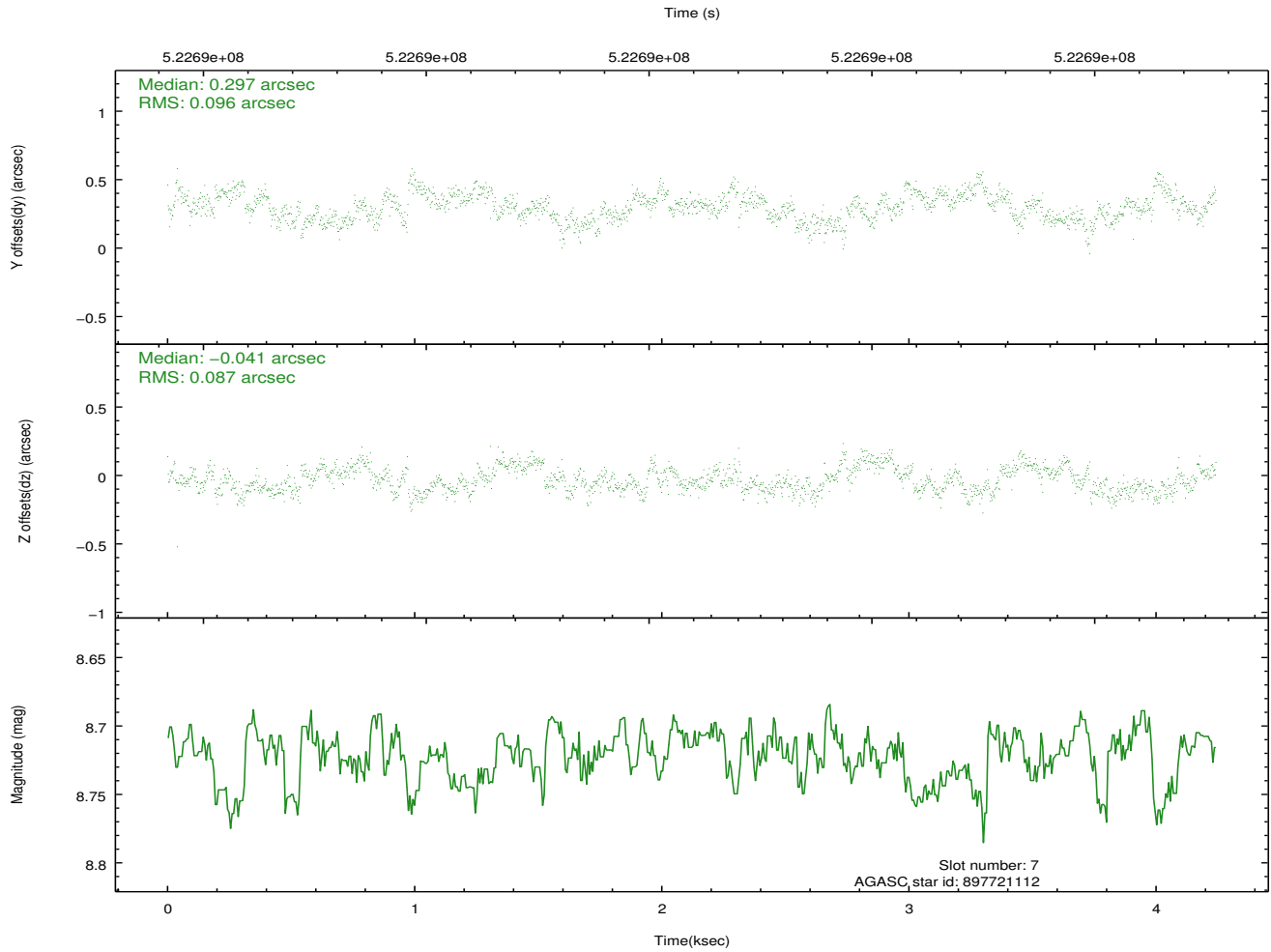
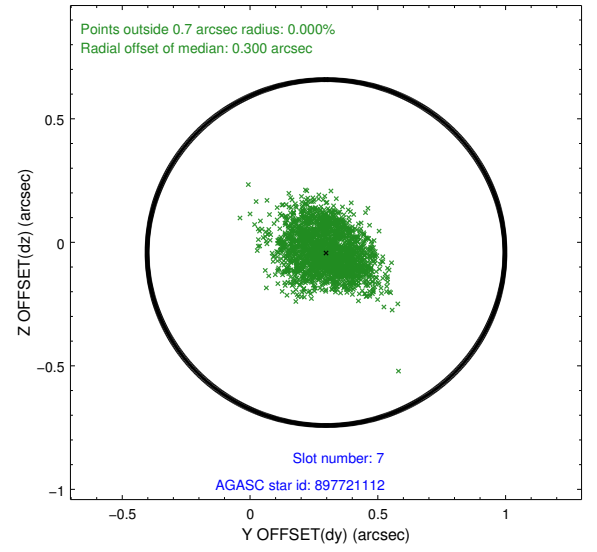
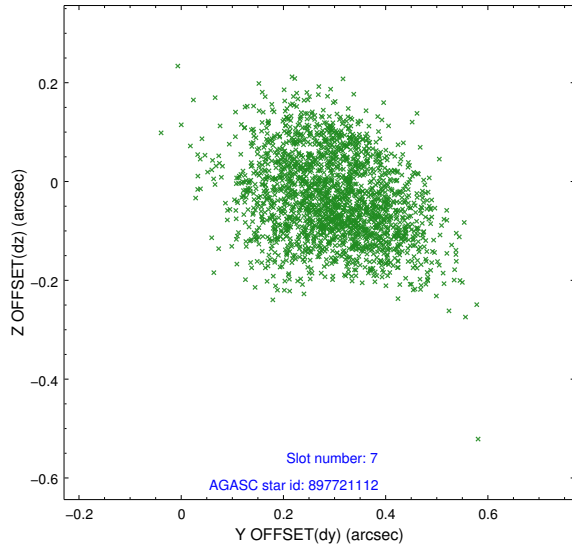
2.4.3 Slot 5



2.4.4 Slot 6

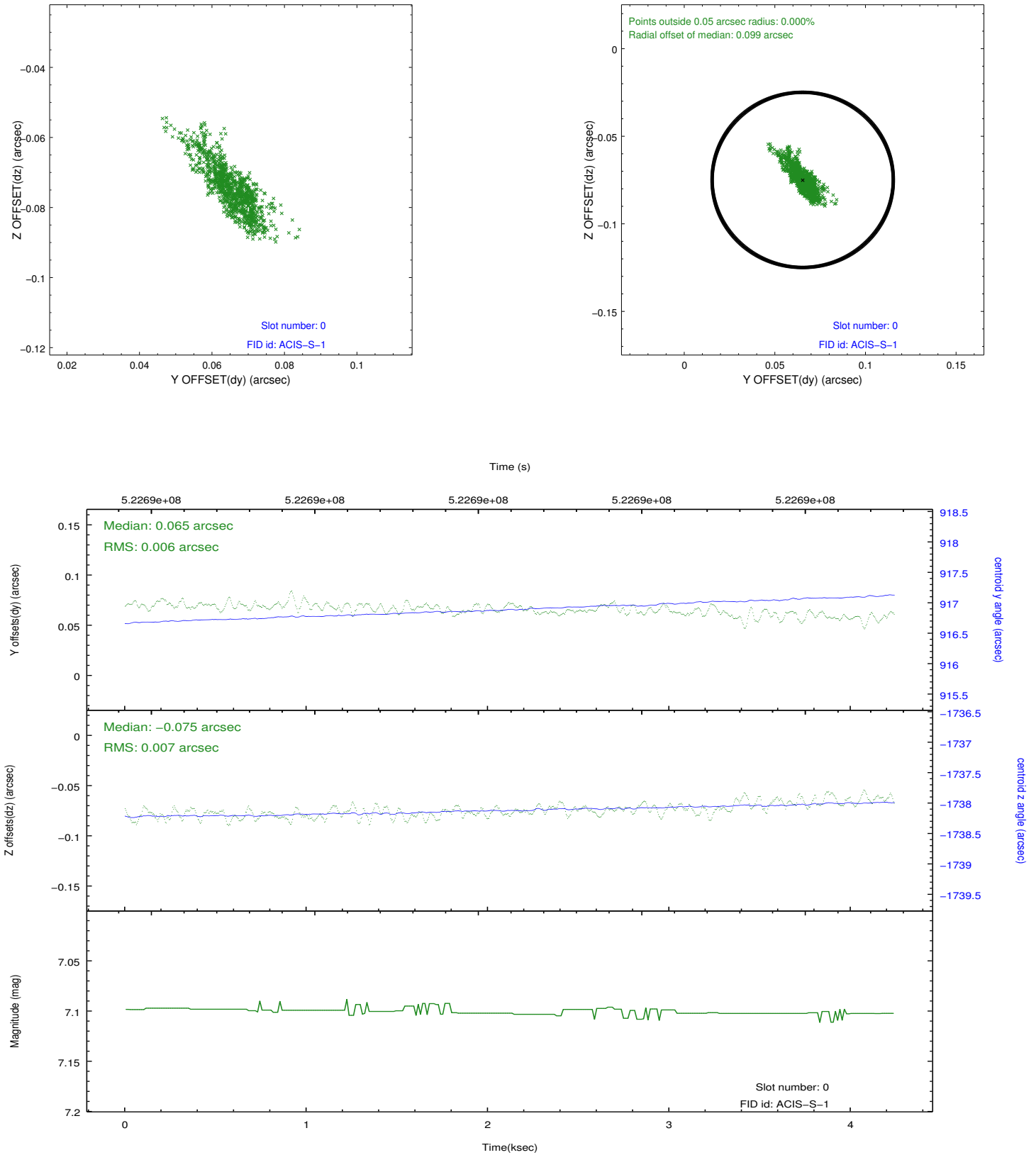


2.4.5 Slot 7

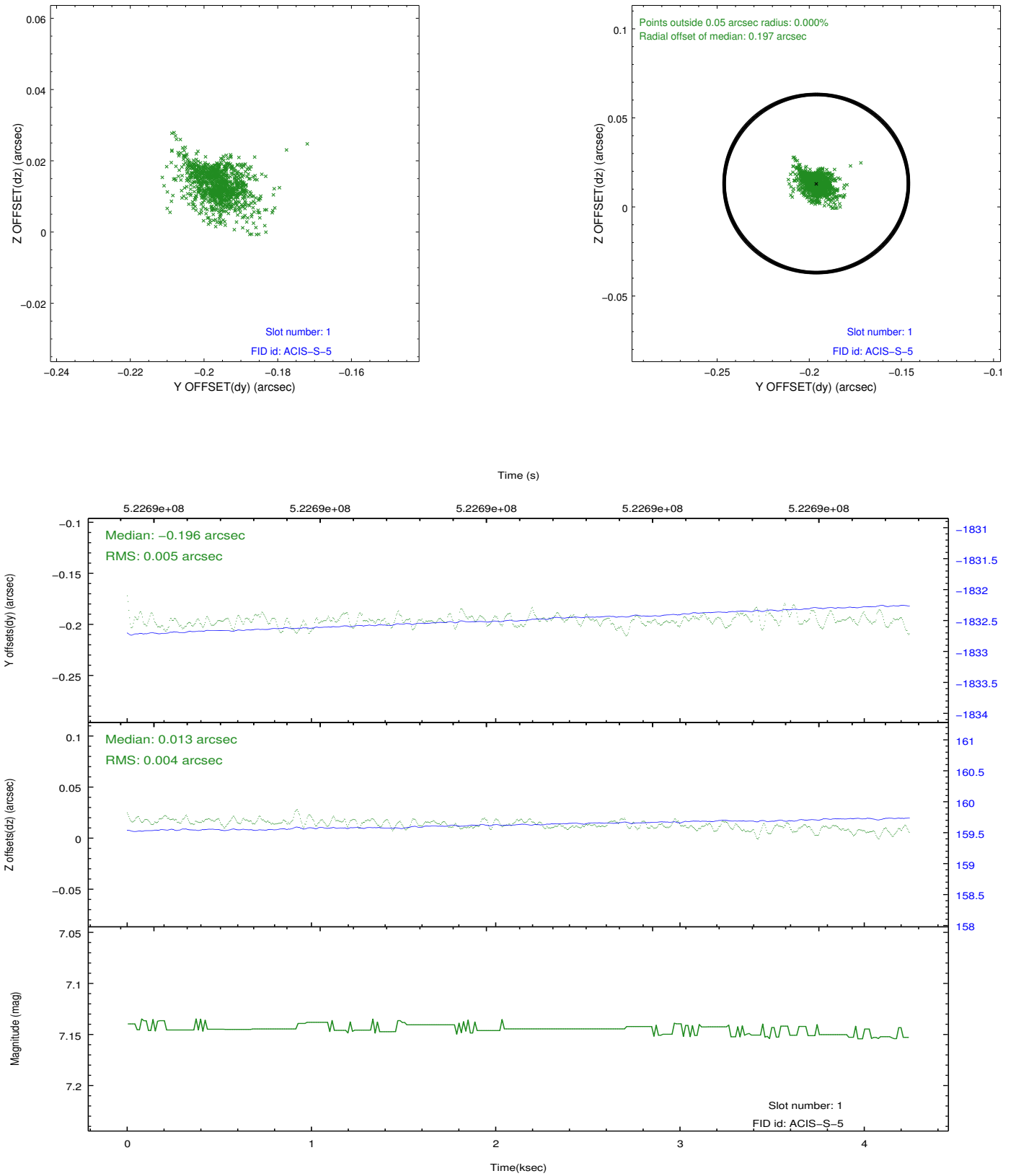


2.5 FID Slots

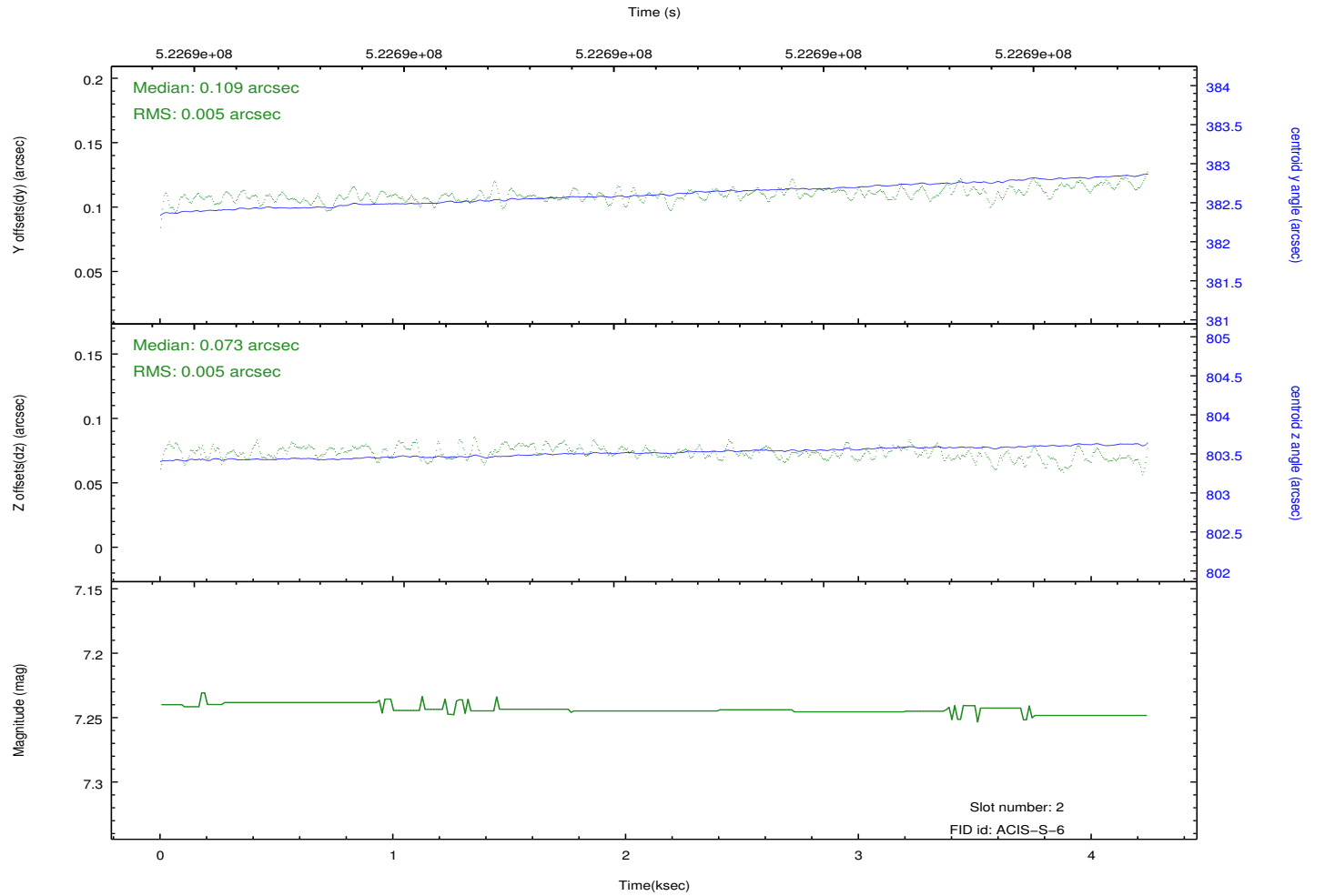
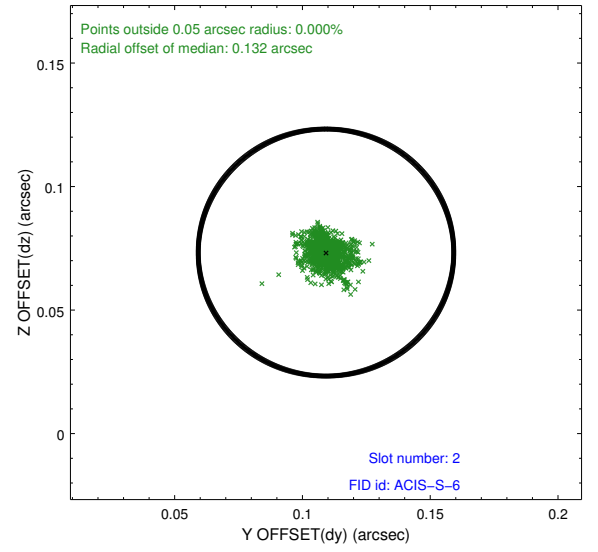
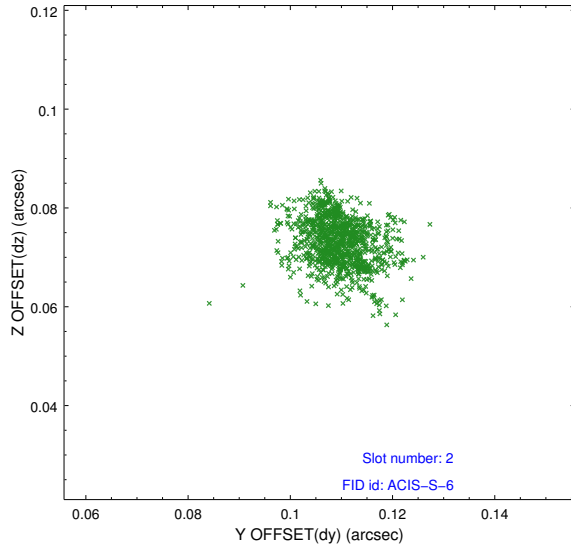
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5650000274181

A.2 Comments