

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 16743 - L2 Version 1
Chandra X-Ray Center

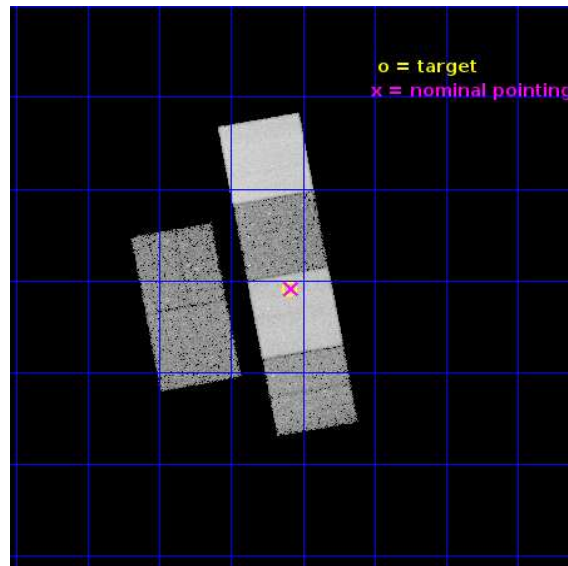
L2 Processing Date : Feb 26 2016

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1 Front

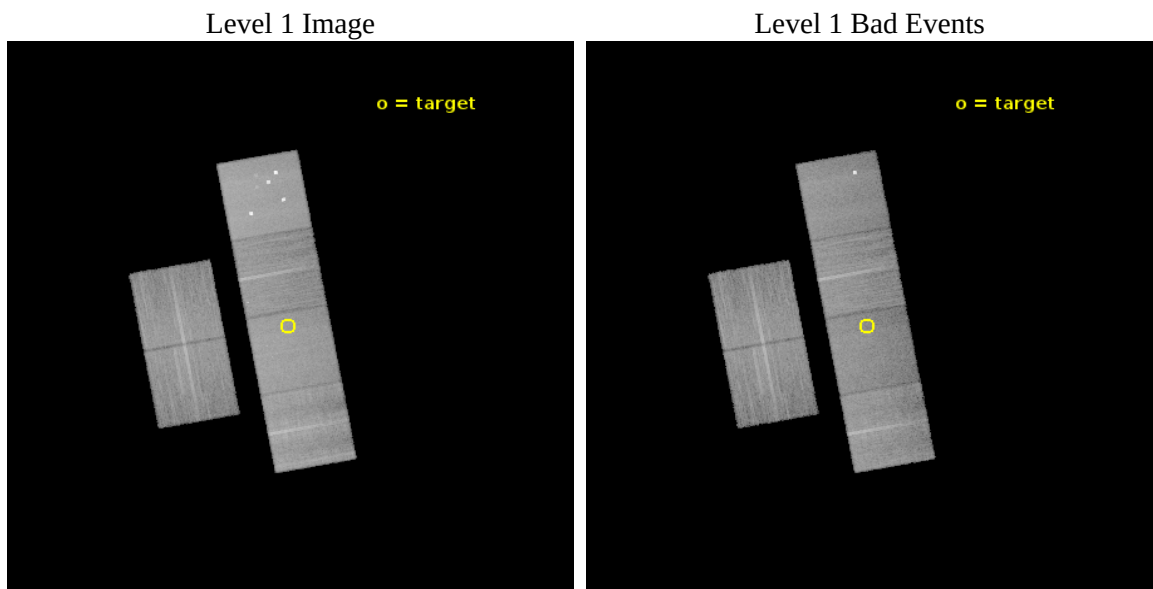
seq_num	401665	Sequence number
obs_id	16743	Observation id
title	X-RAYS FROM GREEN PEA ANALOGS	Proposal title
observer	Matthew Brorby	Principal investigator
object	SHOC 486	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.022083	Observer's specified target RA [deg]
dec_targ	-1.182694	Observer's specified target Dec [deg]
ra_nom	222.01969759297	Nominal RA [deg]
dec_nom	-1.1813826635054	Nominal Dec [deg]
roll_nom	79.56158596275	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23953.867423534	Sum of GTIs [s]
livetime	23650.54913093	Livetime [s]
ontime2	23953.908463478	Sum of GTIs [s]
ontime3	23953.744303465	Sum of GTIs [s]
ontime5	23953.826383471	Sum of GTIs [s]
ontime6	23953.785343528	Sum of GTIs [s]
ontime7	23953.867423534	Sum of GTIs [s]
ontime8	23953.703263521	Sum of GTIs [s]
l2events	249136	Number of level 2 events



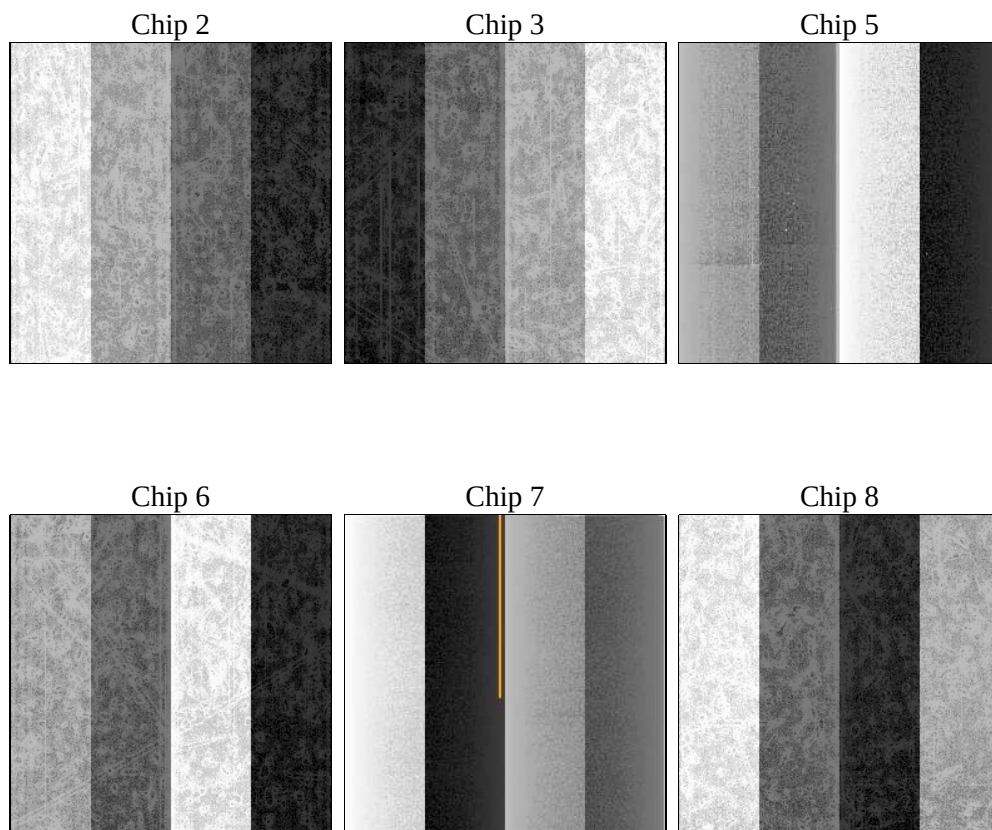
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	23953.867423534	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	23953.908463478	Sum of GTIs [s]
date	2016-02-27T01:02:57	Date and time of file creation	ontime3	23953.744303465	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	23953.826383471	Sum of GTIs [s]
			ontime6	23953.785343528	Sum of GTIs [s]
			ontime7	23953.867423534	Sum of GTIs [s]
			ontime8	23953.703263521	Sum of GTIs [s]
			l1events	1106811	Number of level 1 events

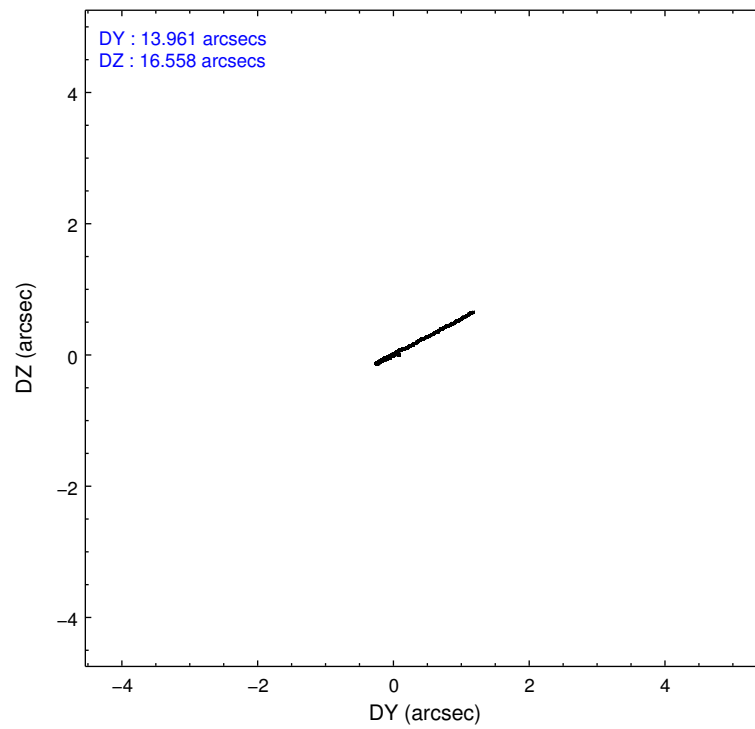
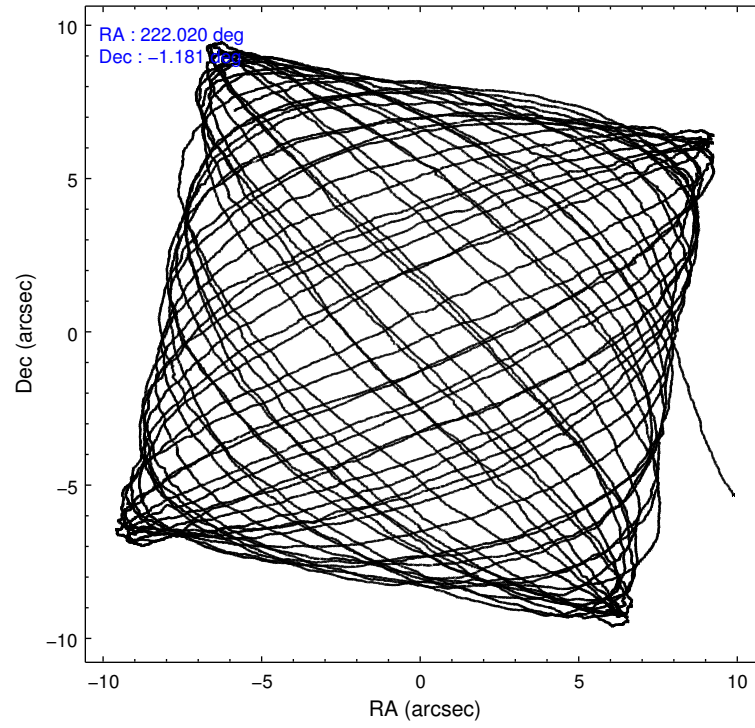
2.1.4 Events

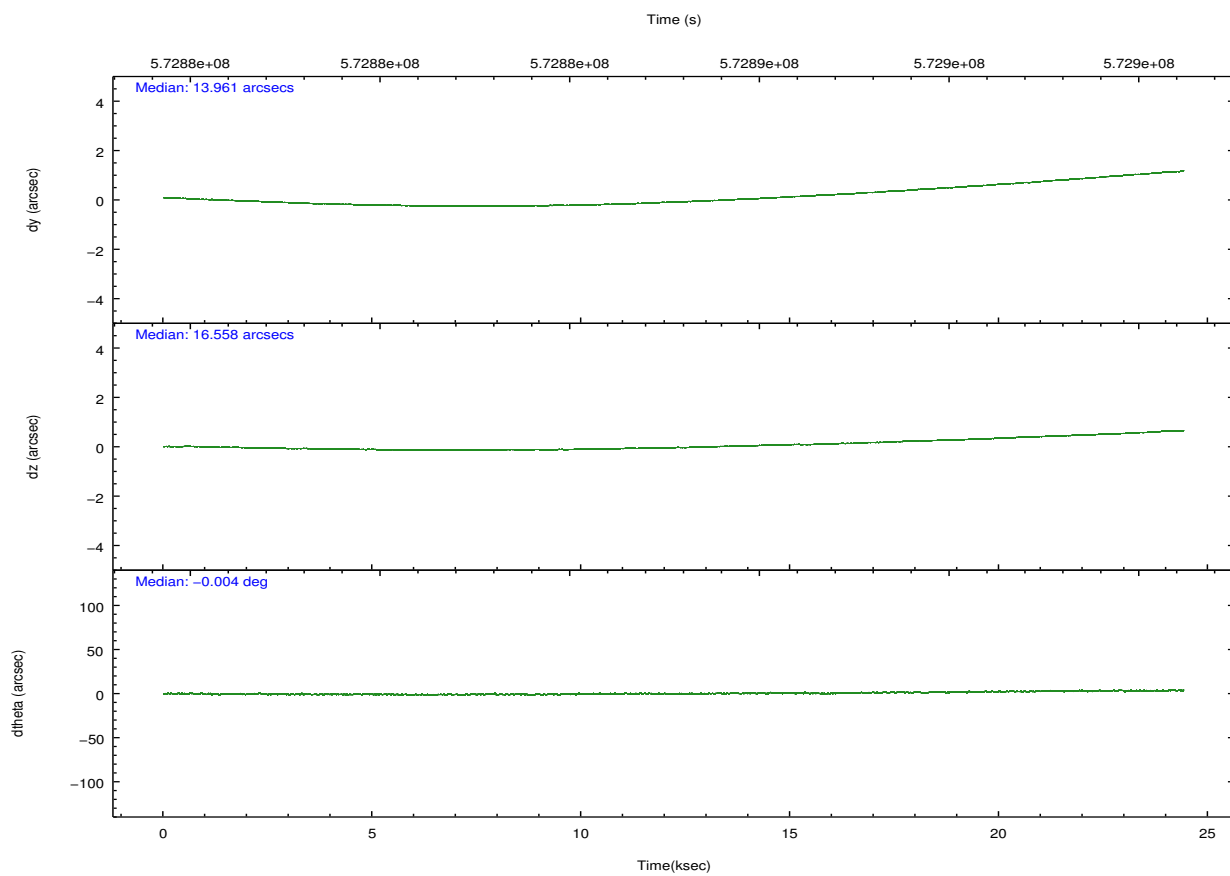
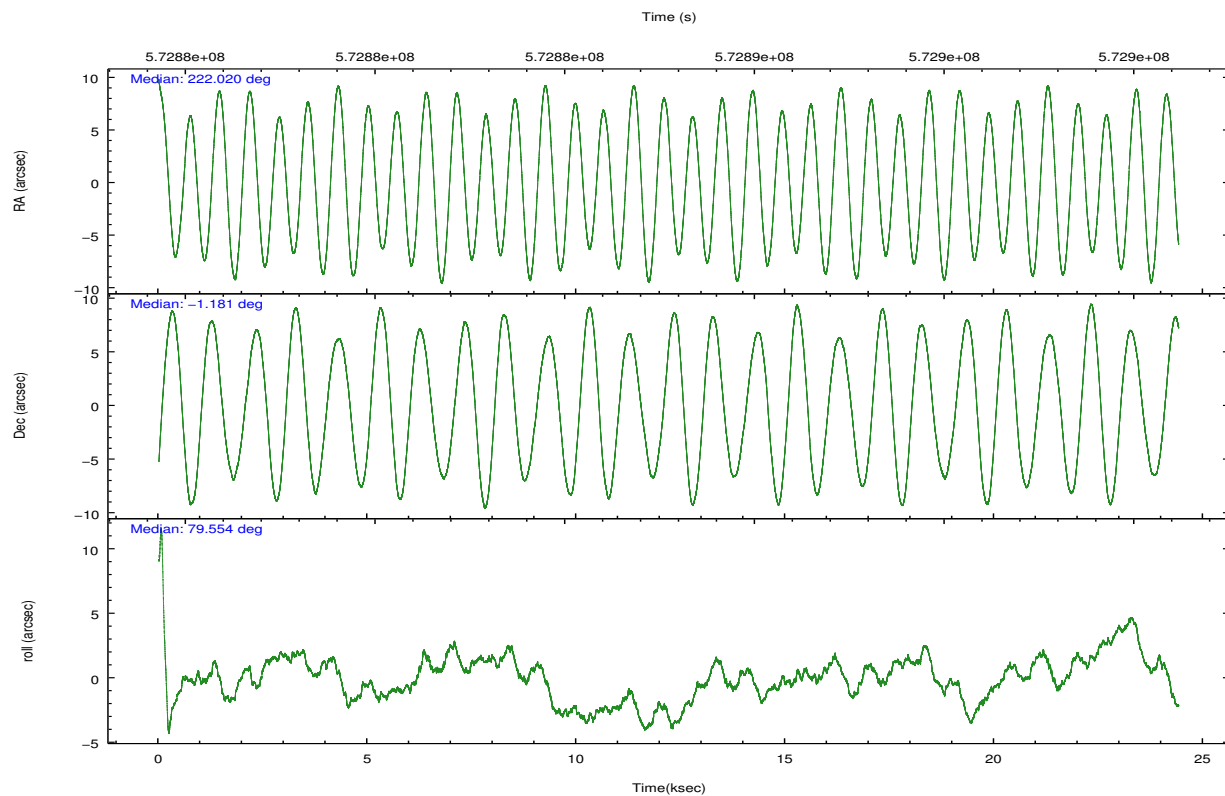
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	153830	145415	261682	154737	194474	196673	grade 0 events	5736	5348	23779	5864	7059	14296
rejected events	137677	130145	129761	137477	110644	147091		3%	3%	9%	3%	3%	7%
rejected %	89%	89%	49%	88%	56%	74%	grade 1 events	78	92	520	65	218	154
								0%	0%	0%	0%	0%	0%
							grade 2 events	3879	3318	37925	4012	17721	12255
								2%	2%	14%	2%	9%	6%
							grade 3 events	1621	1642	3441	1640	6469	4887
								1%	1%	1%	1%	3%	2%
							grade 4 events	1640	1666	3210	1689	6418	4727
								1%	1%	1%	1%	3%	2%
							grade 5 events	6199	7114	17084	7067	18845	10564
								4%	4%	6%	4%	9%	5%
							grade 6 events	3277	3297	63585	4056	46167	13422
								2%	2%	24%	2%	23%	6%
							grade 7 events	131400	122938	112138	130344	91577	136368
								85%	84%	42%	84%	47%	69%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	222.029220	222.0196975929732	CCD I2 on	O2	Y
[deg] Pointing Dec	-1.207148	-1.181382663505387	CCD I3 on	O3	Y
[deg] Pointing Roll	79.405157	79.5615859627502	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	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	572875952.184000	572874879.41717	CCD S5 on	N	N
Observation start date	2016-02-26T12:11:24	2016-02-26T11:54:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	572899952.184000	572900810.89364	On-chip summing requested	N	N
Observation end date	2016-02-26T18:51:24	2016-02-26T19:06:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



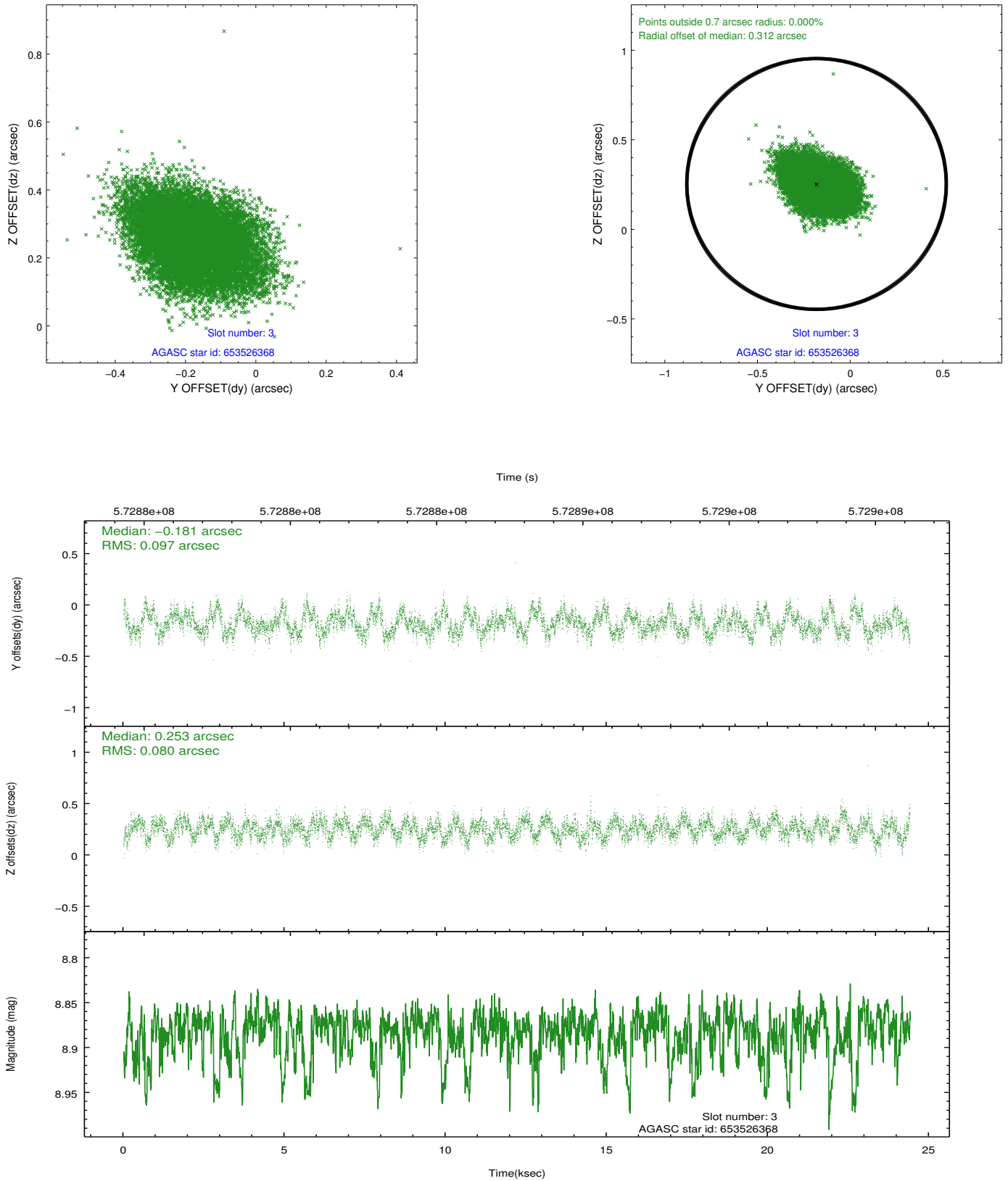


Slot Statistics

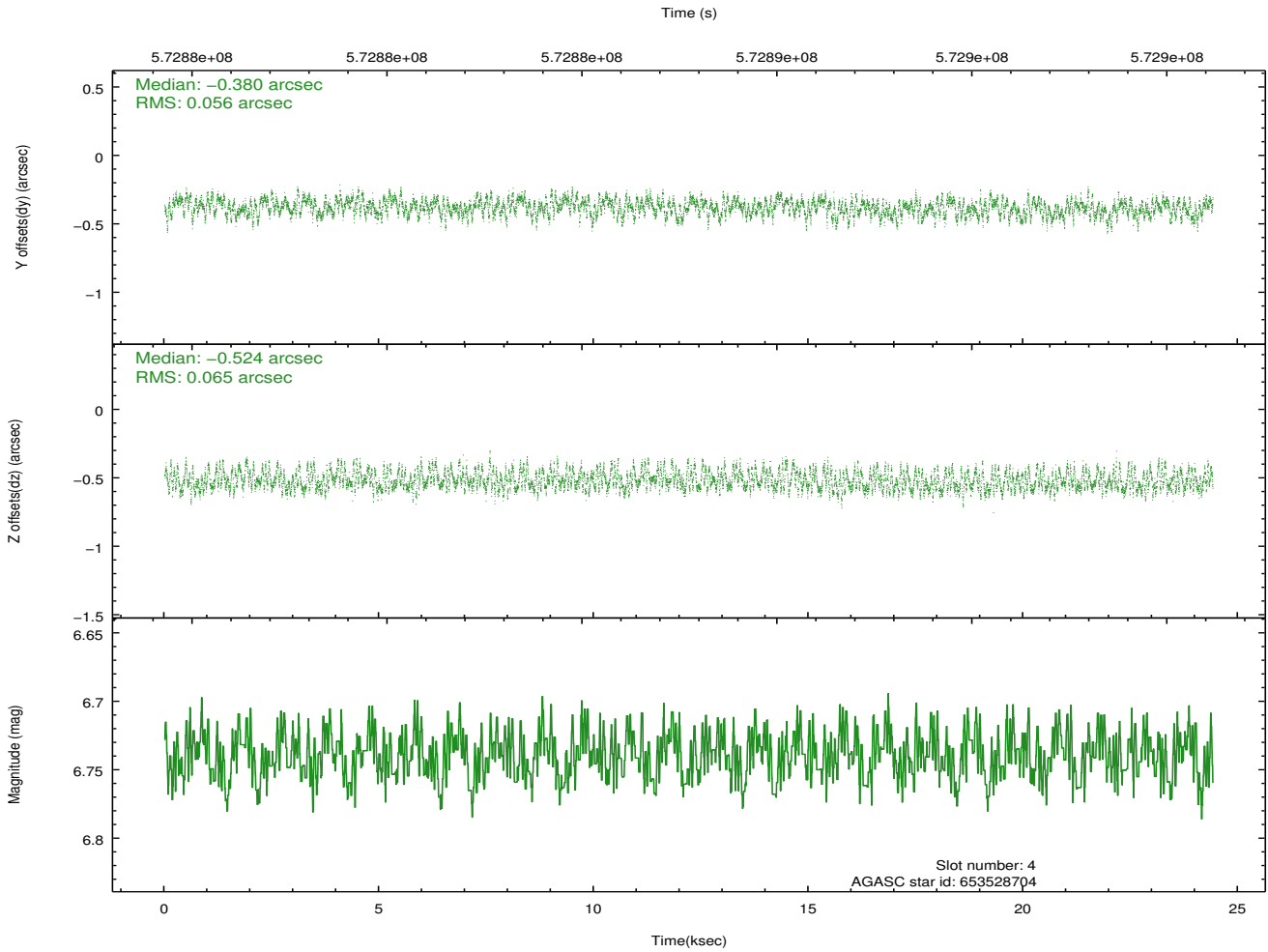
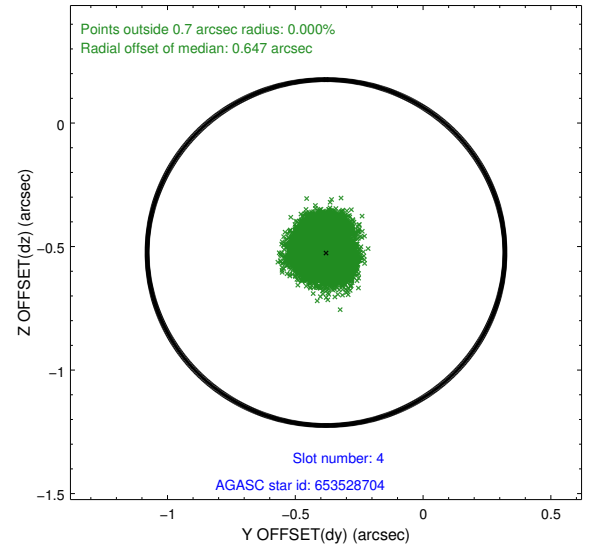
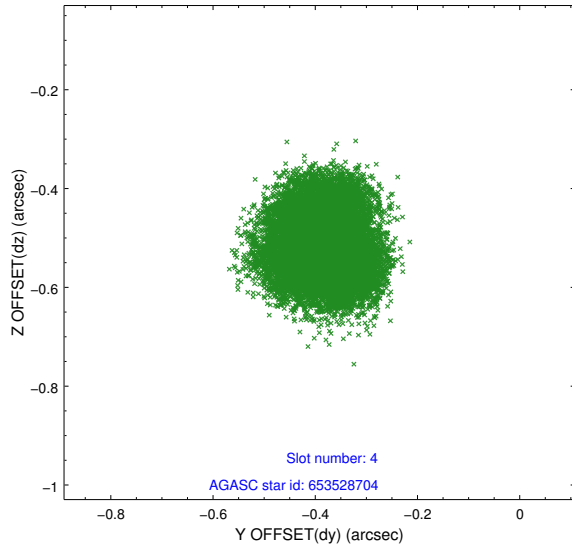
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	5952	-0.141	-0.093	0.016	0.039	0.000000	0.000000	-767.21	-1738.17
1	FID		ACIS-S-4	7.21	5952	0.431	0.093	0.012	0.021	0.000000	0.000000	2146.58	170.38
2	FID		ACIS-S-5	7.23	5952	-0.319	0.009	0.010	0.020	0.000000	0.000000	-1820.07	164.10
3	GUIDE	used	653526368	8.88	11899	-0.181	0.253	0.136	0.216	222.618552	-0.823216	1748.39	-1829.86
4	GUIDE	used	653528704	6.74	11907	-0.380	-0.524	0.094	0.140	221.574190	-0.833772	1020.03	1857.09
5	GUIDE	used	653531072	8.89	11896	0.351	0.426	0.101	0.158	222.285788	-1.689109	-1536.41	-1225.60
6	GUIDE	used	653528032	8.36	11899	0.094	-0.098	0.079	0.127	221.612728	-1.446923	-1124.55	1314.62
7	GUIDE	used	653530832	8.90	11894	0.115	-0.057	0.088	0.149	221.638203	-1.472740	-1198.81	1207.61

2.4 Star Slots

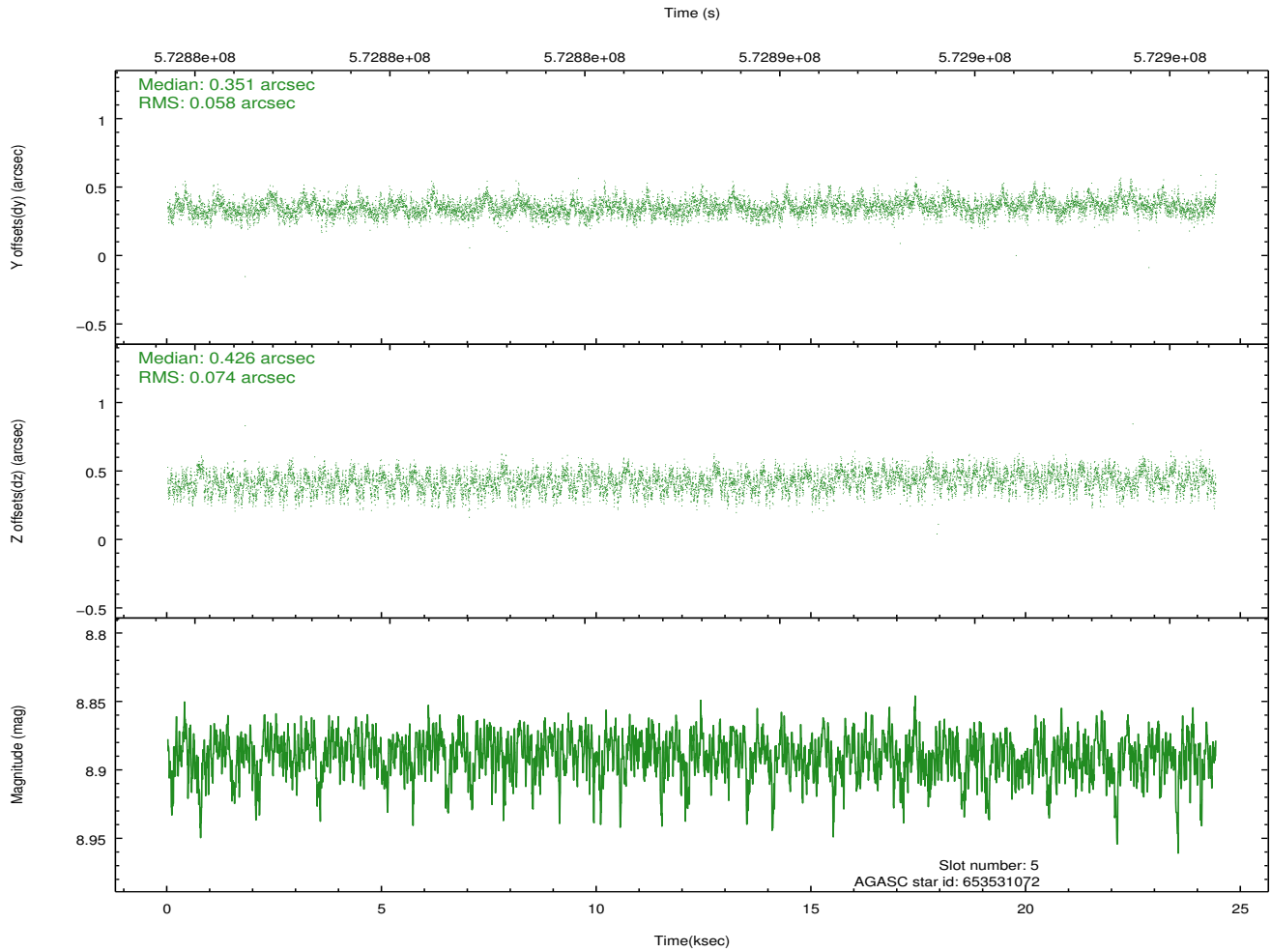
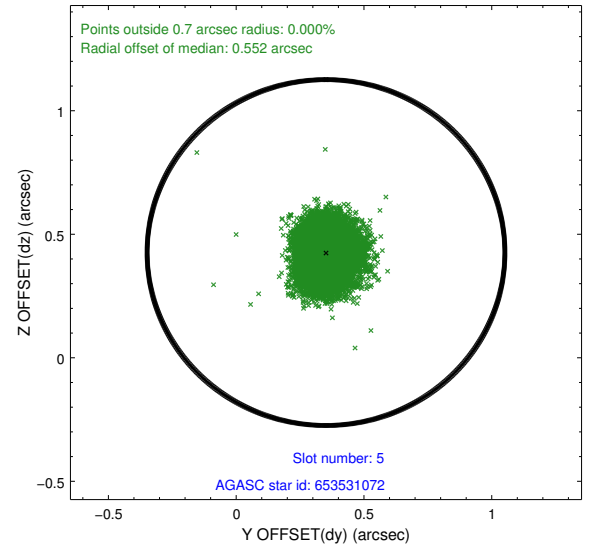
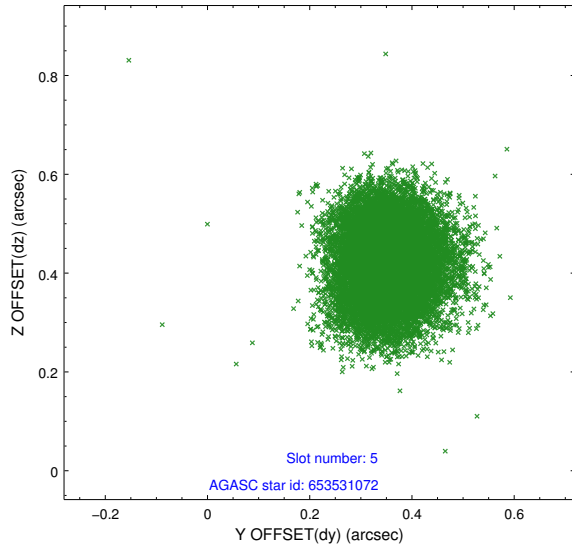
2.4.1 Slot 3



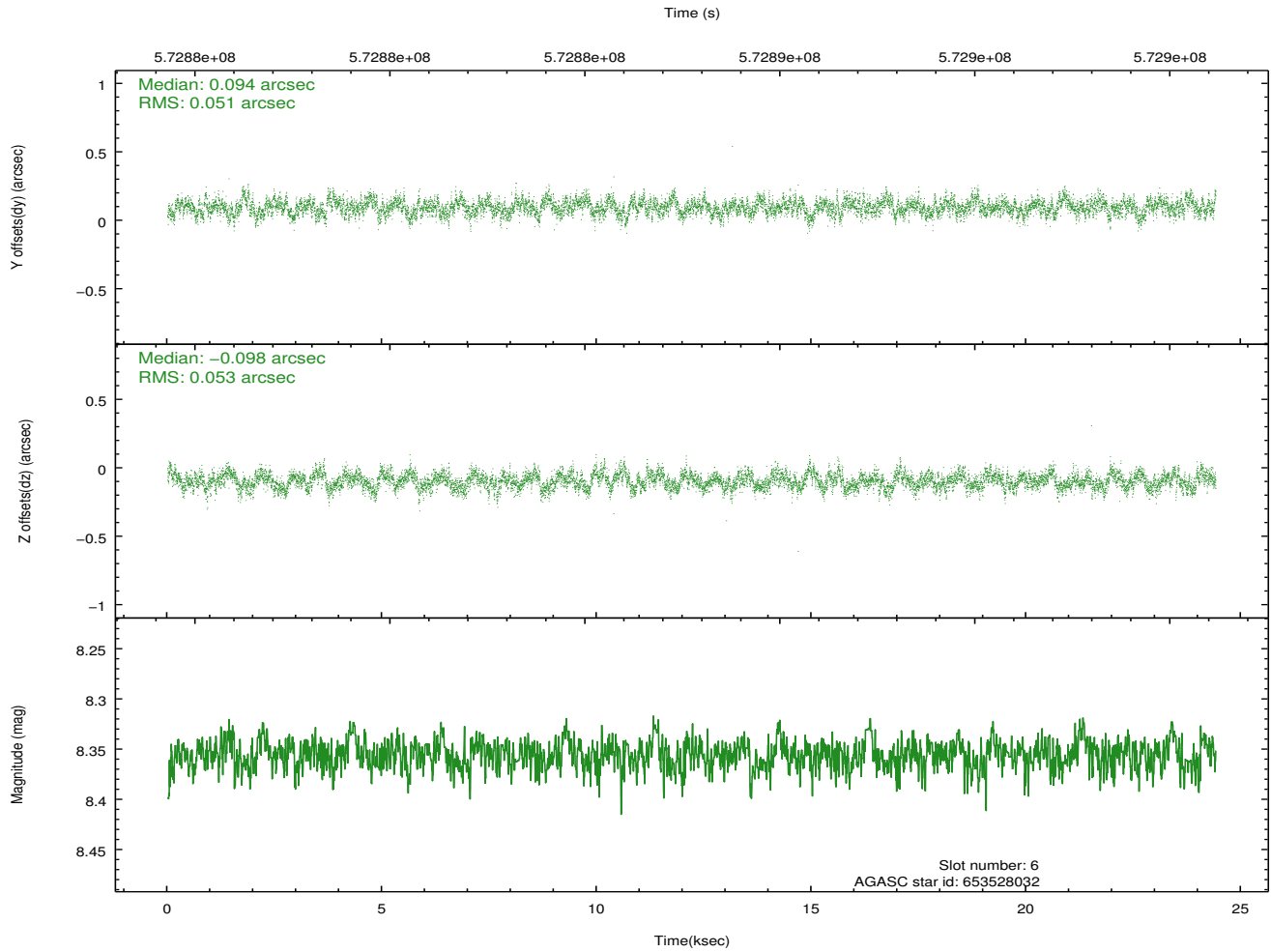
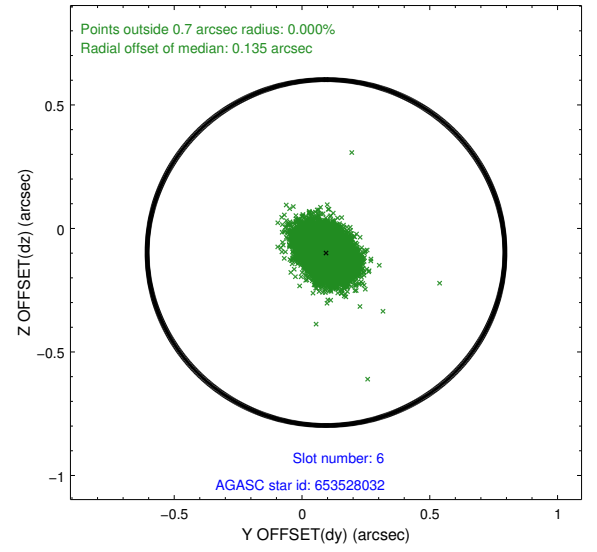
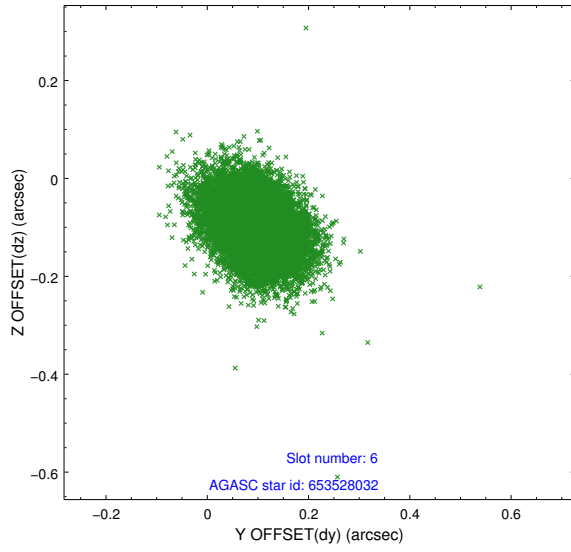
2.4.2 Slot 4



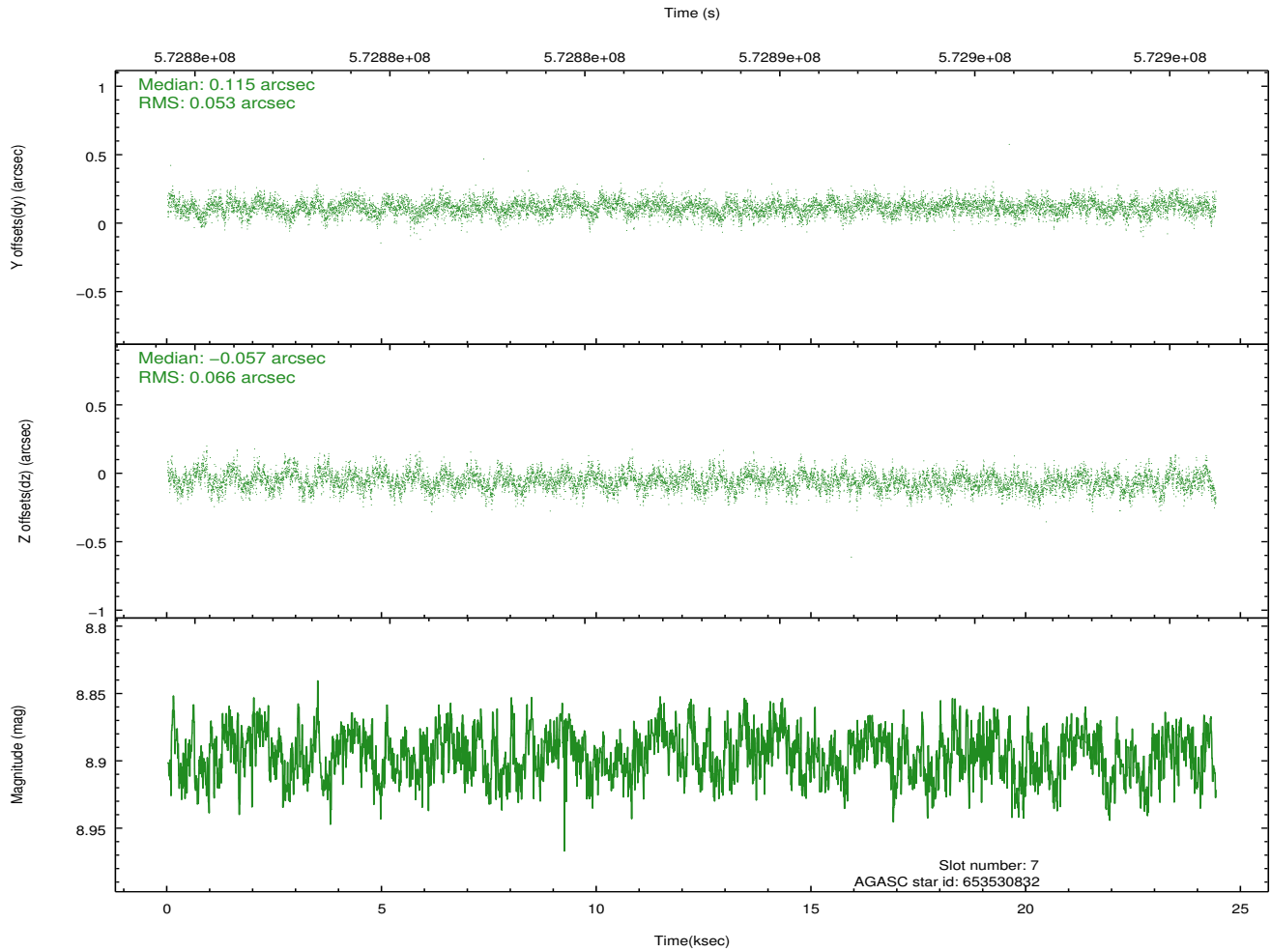
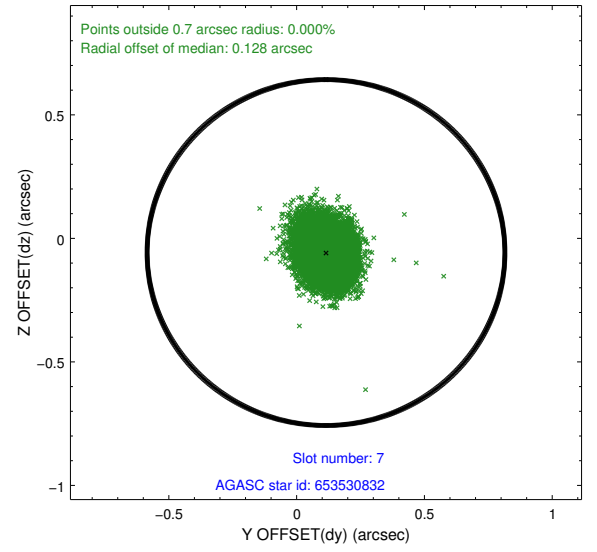
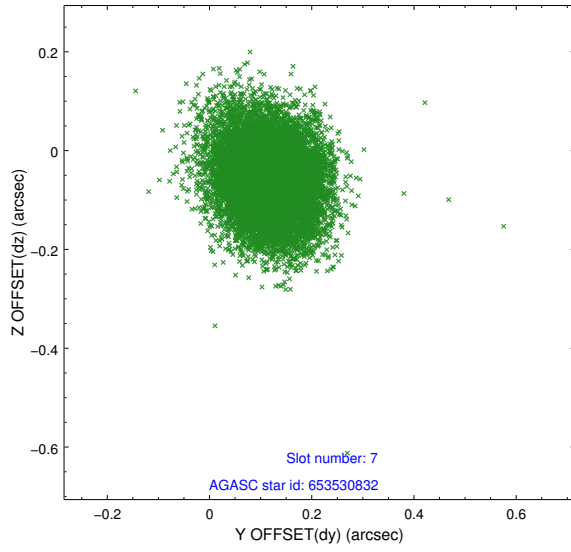
2.4.3 Slot 5



2.4.4 Slot 6

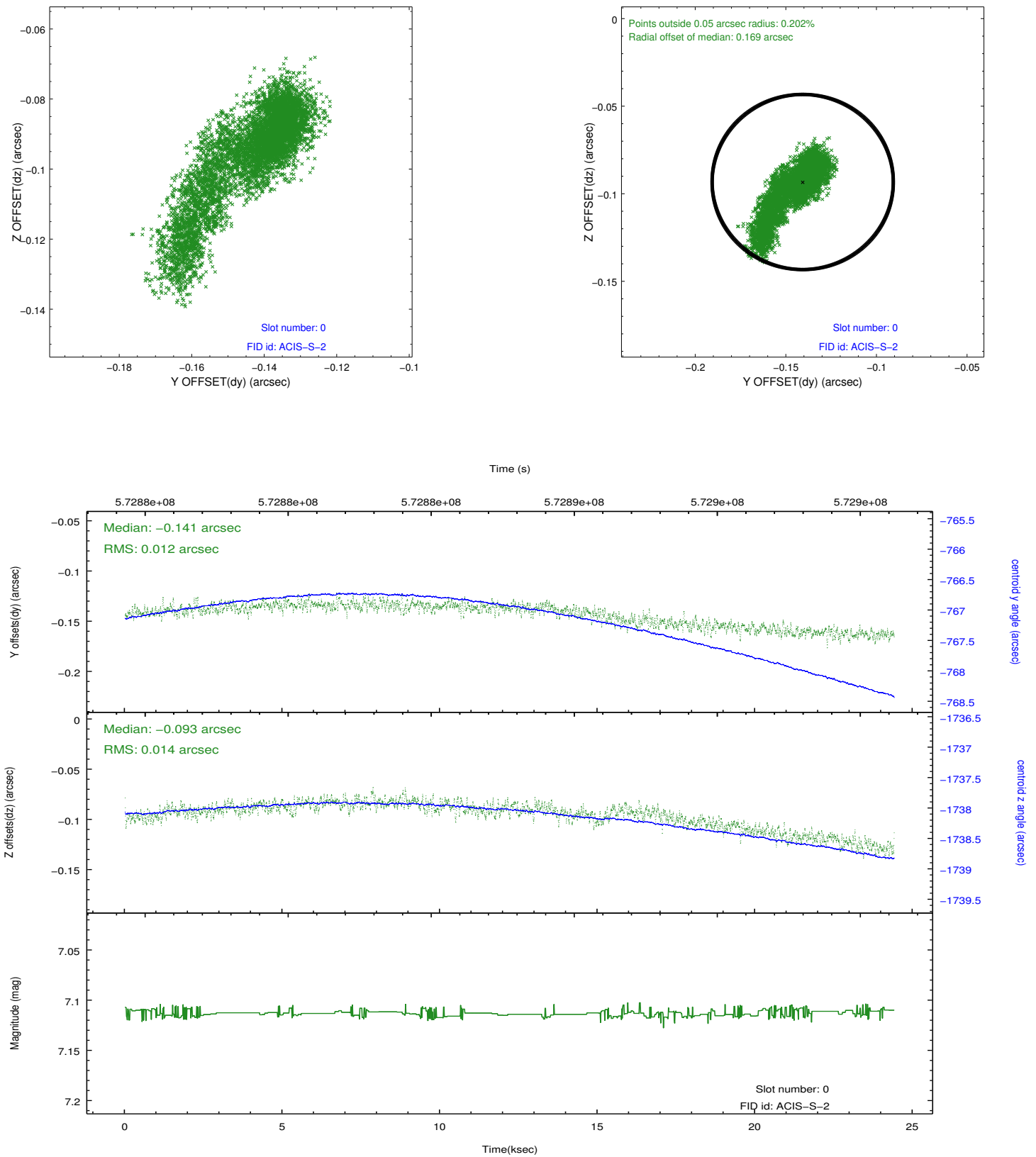


2.4.5 Slot 7

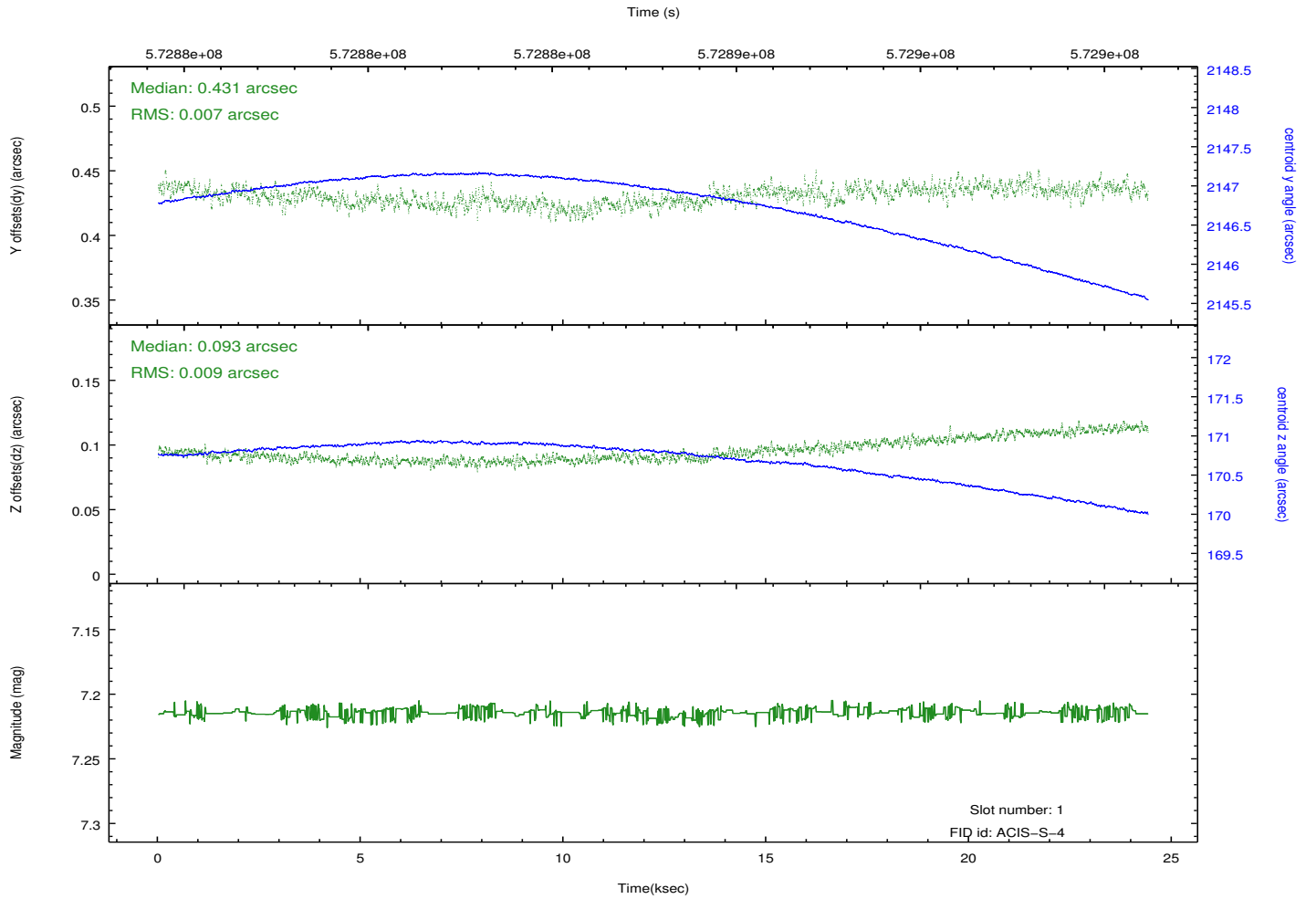
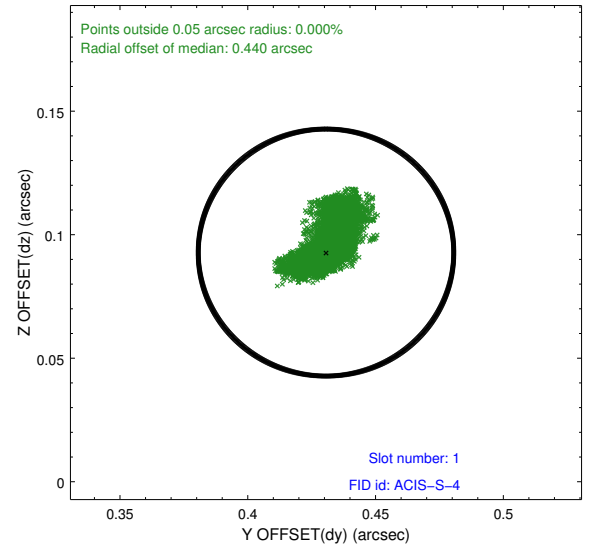
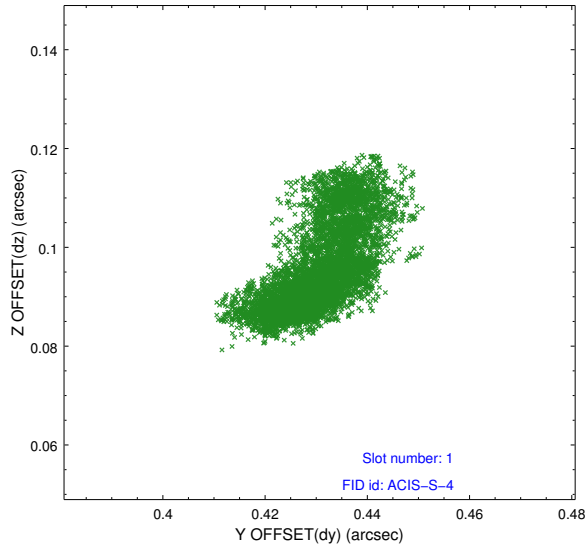


2.5 FID Slots

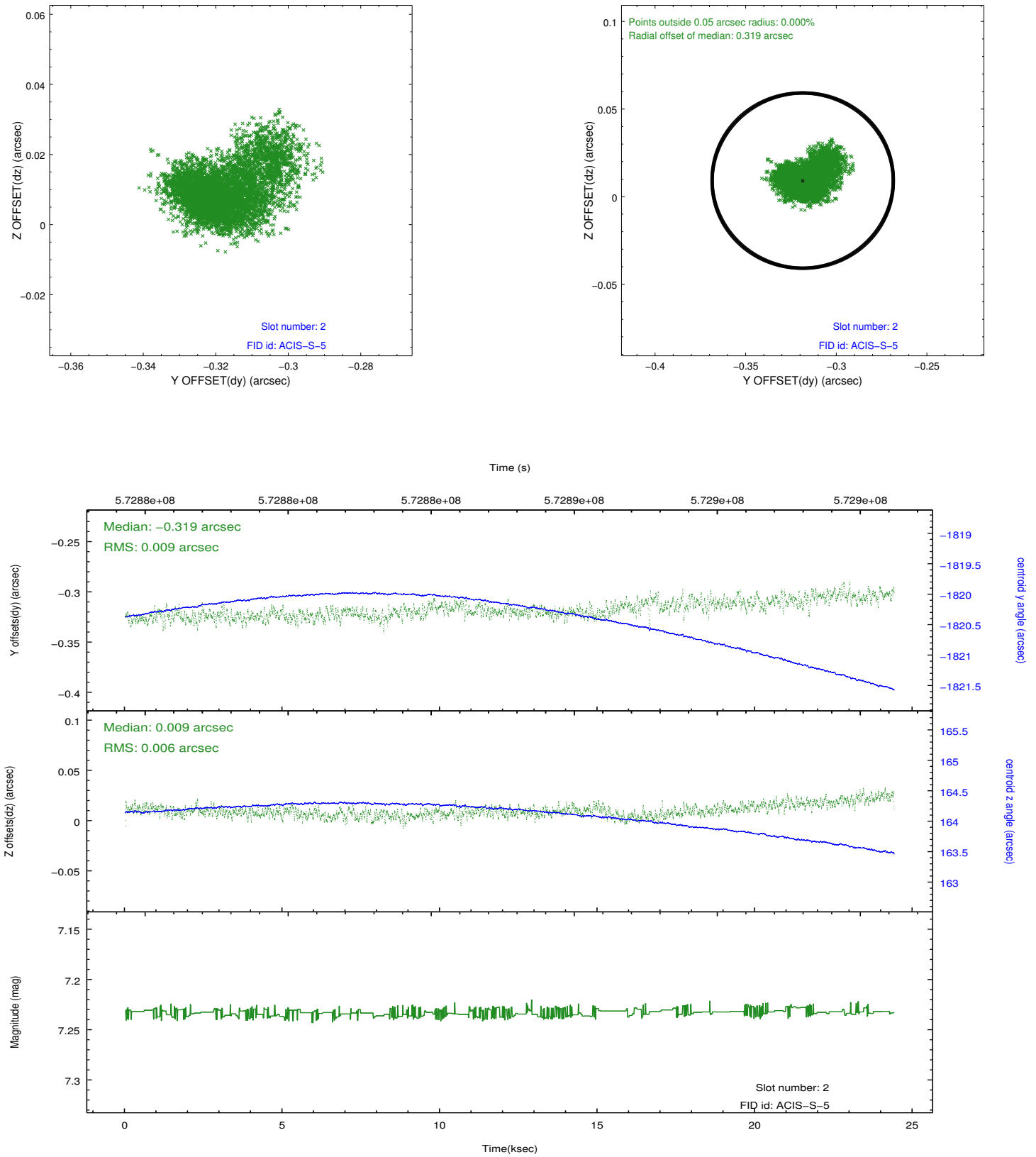
2.5.1 Slot 0



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)	2016.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.953867423534

A.2 Comments

Joint proposal with HST.