

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13781 - L2 Version 2
Chandra X-Ray Center

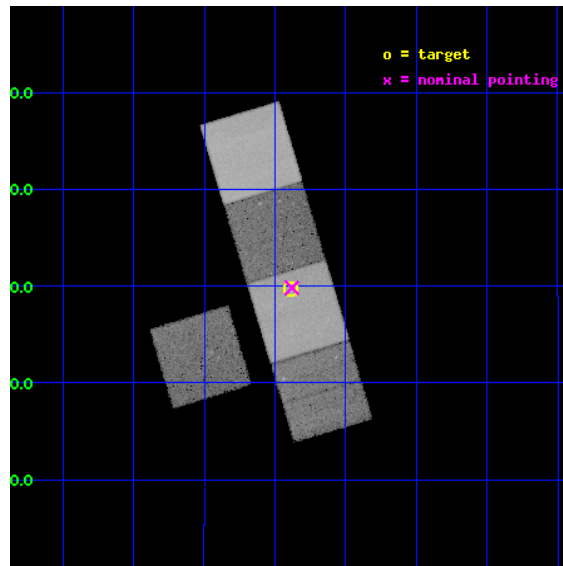
L2 Processing Date : Feb 25 2012

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1 Front

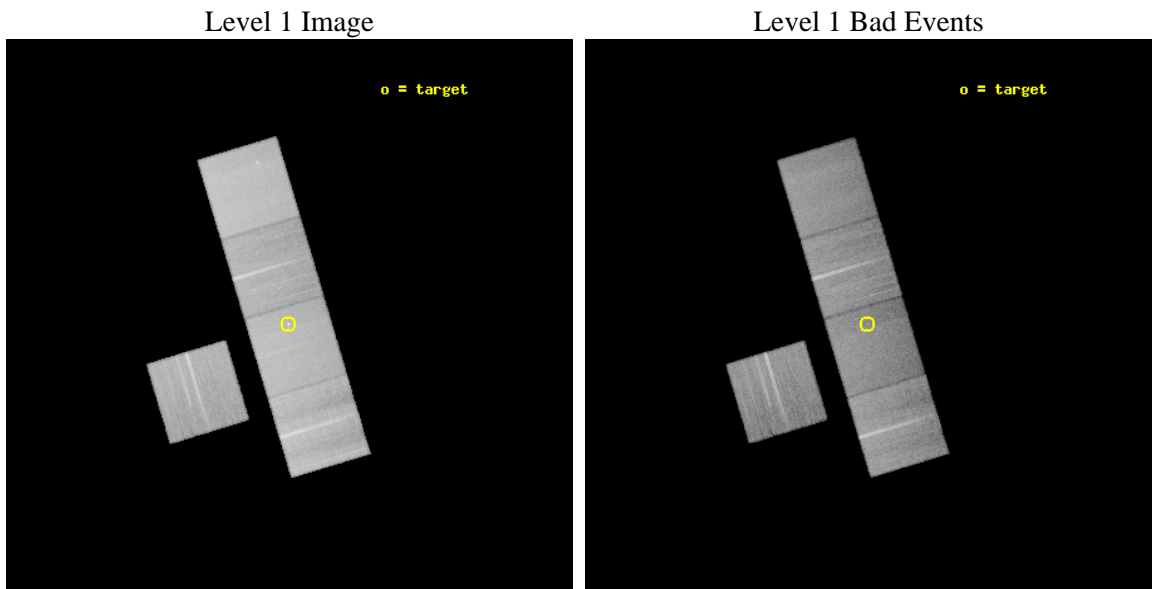
seq_num	501613	Sequence number
obs_id	13781	Observation id
title	The X-ray Luminous Type IIIn Supernova 2010jl	Proposal title
observer	Dr Poonam Chandra	Principal investigator
object	SN 2010jl	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.722083	Observer's specified target RA [deg]
dec_targ	9.494944	Observer's specified target Dec [deg]
ra_nom	145.7200813676	Nominal RA [deg]
dec_nom	9.49722402191	Nominal Dec [deg]
roll_nom	73.293859369306	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41043.164056599	Sum of GTIs [s]
livetime	40506.904902662	Livetime [s]
ontime3	41033.61809516	Sum of GTIs [s]
ontime5	41043.123016596	Sum of GTIs [s]
ontime6	41039.940986395	Sum of GTIs [s]
ontime7	41043.164056599	Sum of GTIs [s]
ontime8	41039.858906269	Sum of GTIs [s]
l2events	397597	Number of level 2 events



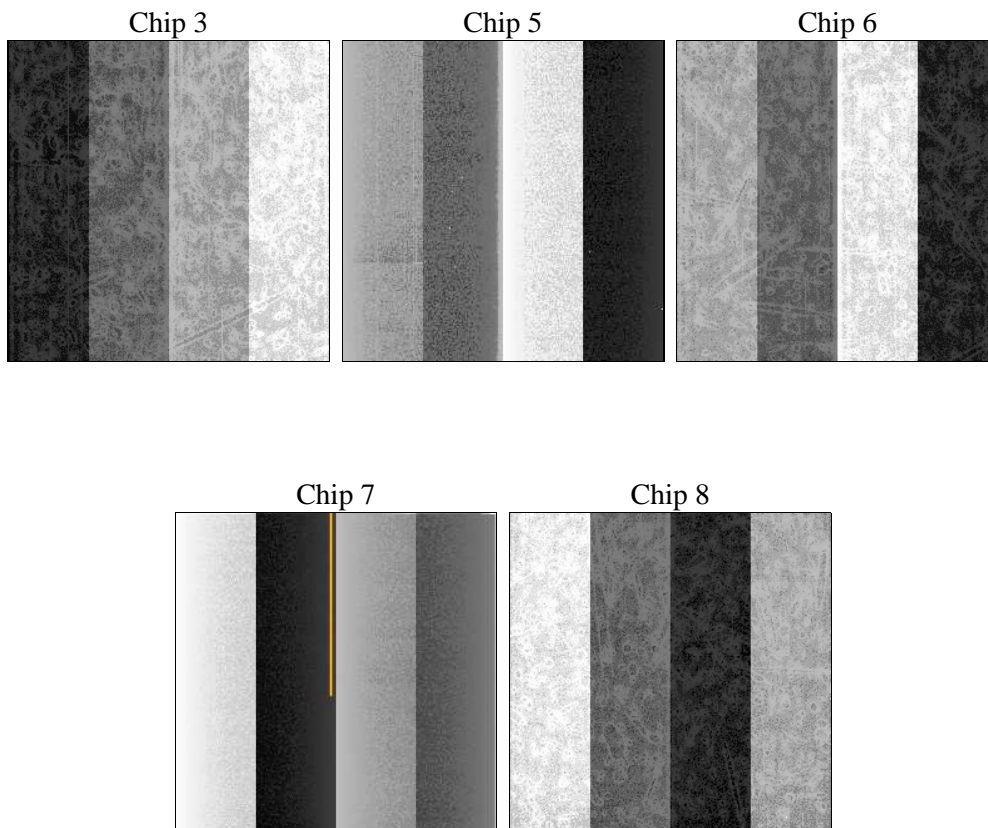
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	41043.164056599	Sum of GTIs [s]
caldsver	4.4.8	 	ontime3	41033.61809516	Sum of GTIs [s]
date	2012-02-25T04:18:53	Date and time of file creation	ontime5	41043.123016596	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	41039.940986395	Sum of GTIs [s]
			ontime7	41043.164056599	Sum of GTIs [s]
			ontime8	41039.858906269	Sum of GTIs [s]
			l1events	1512067	Number of level 1 events

2.1.4 Events

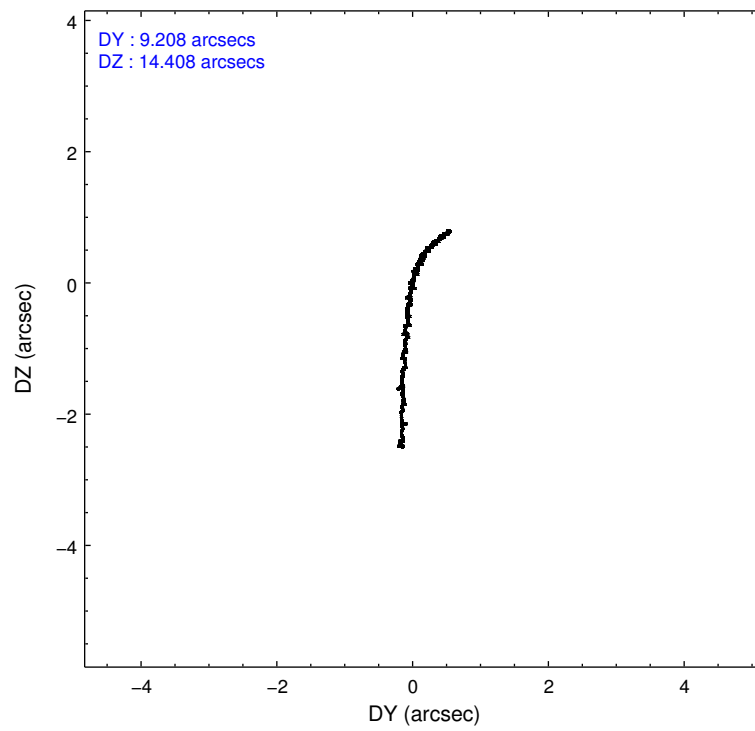
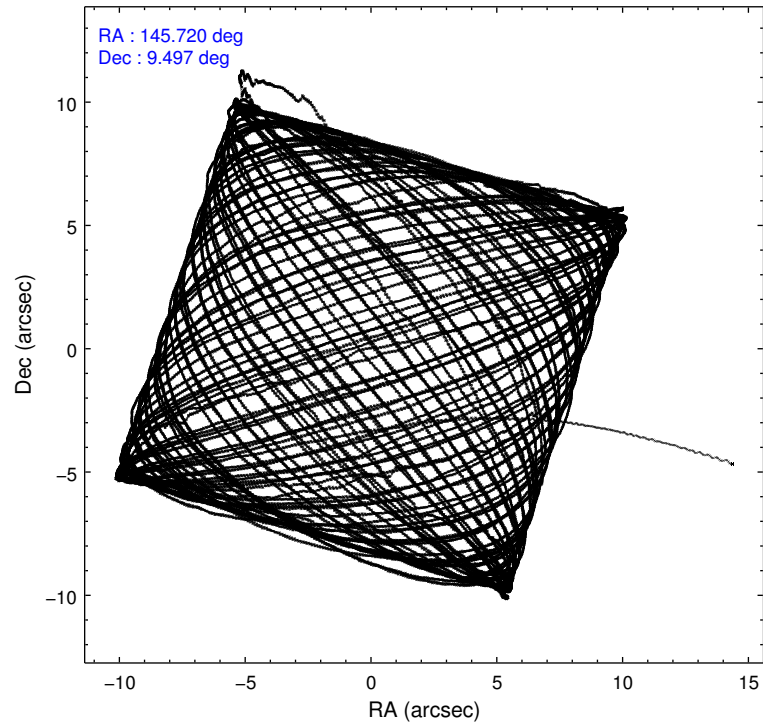
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	240139	381698	249620	319717	320893
rejected events	214230	199009	220799	177364	235129
rejected %	89%	52%	88%	55%	73%

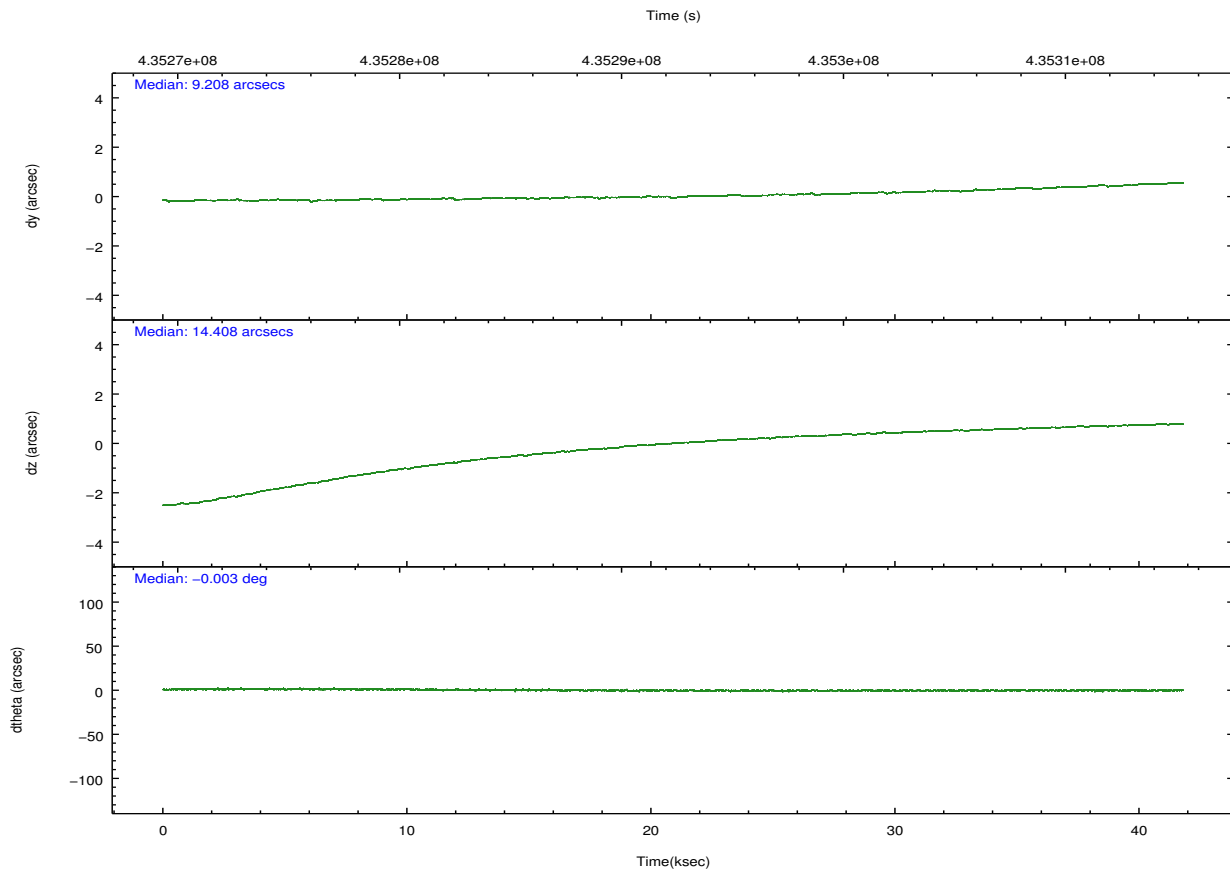
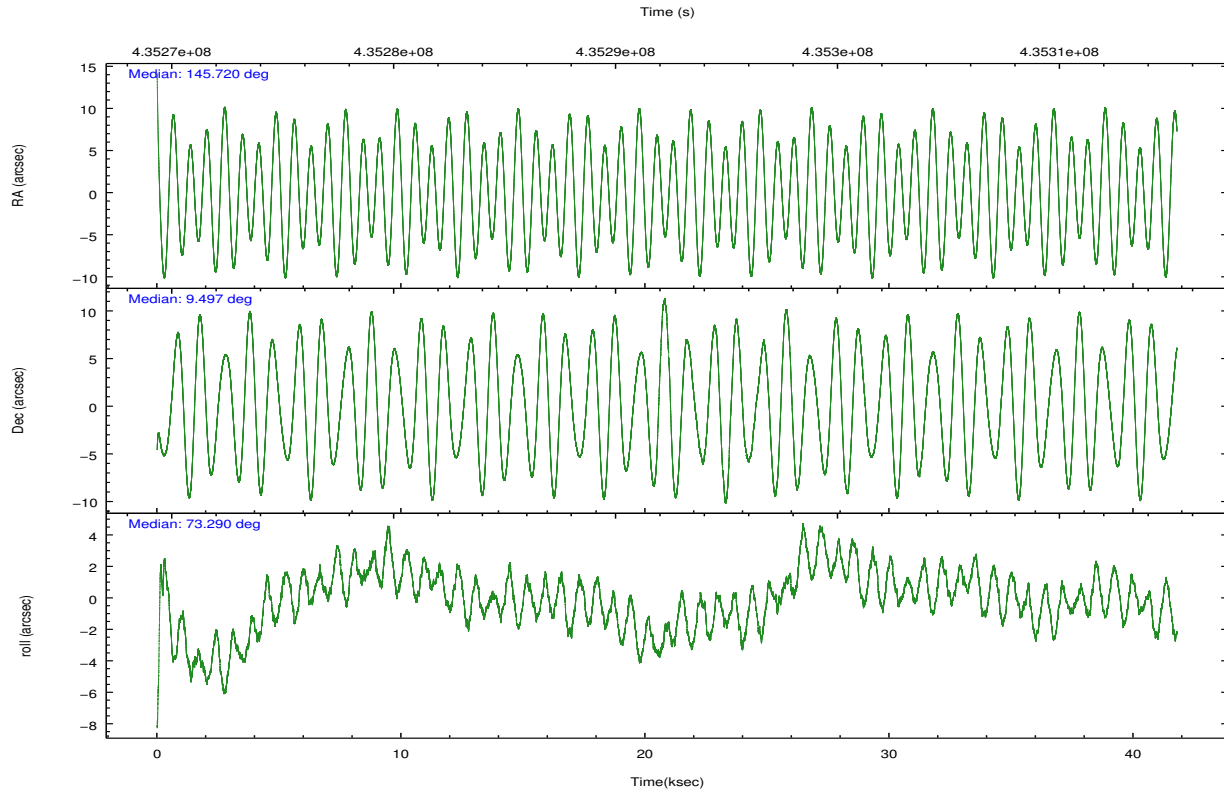
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8813	11942	9827	13017	25675
	3%	3%	3%	4%	8%
grade 1 events	114	607	126	413	262
	0%	0%	0%	0%	0%
grade 2 events	5866	56100	6687	29298	20185
	2%	14%	2%	9%	6%
grade 3 events	2876	7122	2913	12488	8888
	1%	1%	1%	3%	2%
grade 4 events	2858	6922	2930	12287	8394
	1%	1%	1%	3%	2%
grade 5 events	11995	29931	11850	33187	17285
	4%	7%	4%	10%	5%
grade 6 events	5499	100616	6469	75278	22626
	2%	26%	2%	23%	7%
grade 7 events	202118	168458	208818	143749	217578
	84%	44%	83%	44%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	145.726819	145.7200813675998	CCD I2 on	N	N
[deg] Pointing Dec	9.470715	9.497224021910027	CCD I3 on	O1	Y
[deg] Pointing Roll	73.136129	73.29385936930598	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	435272225.184000	435270375.0789	CCD S5 on	N	N
Observation start date	2011-10-17T20:55:59	2011-10-17T20:26:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	435313225.184000	435314628.94372	On-chip summing requested	N	N
Observation end date	2011-10-18T08:19:19	2011-10-18T08:43:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



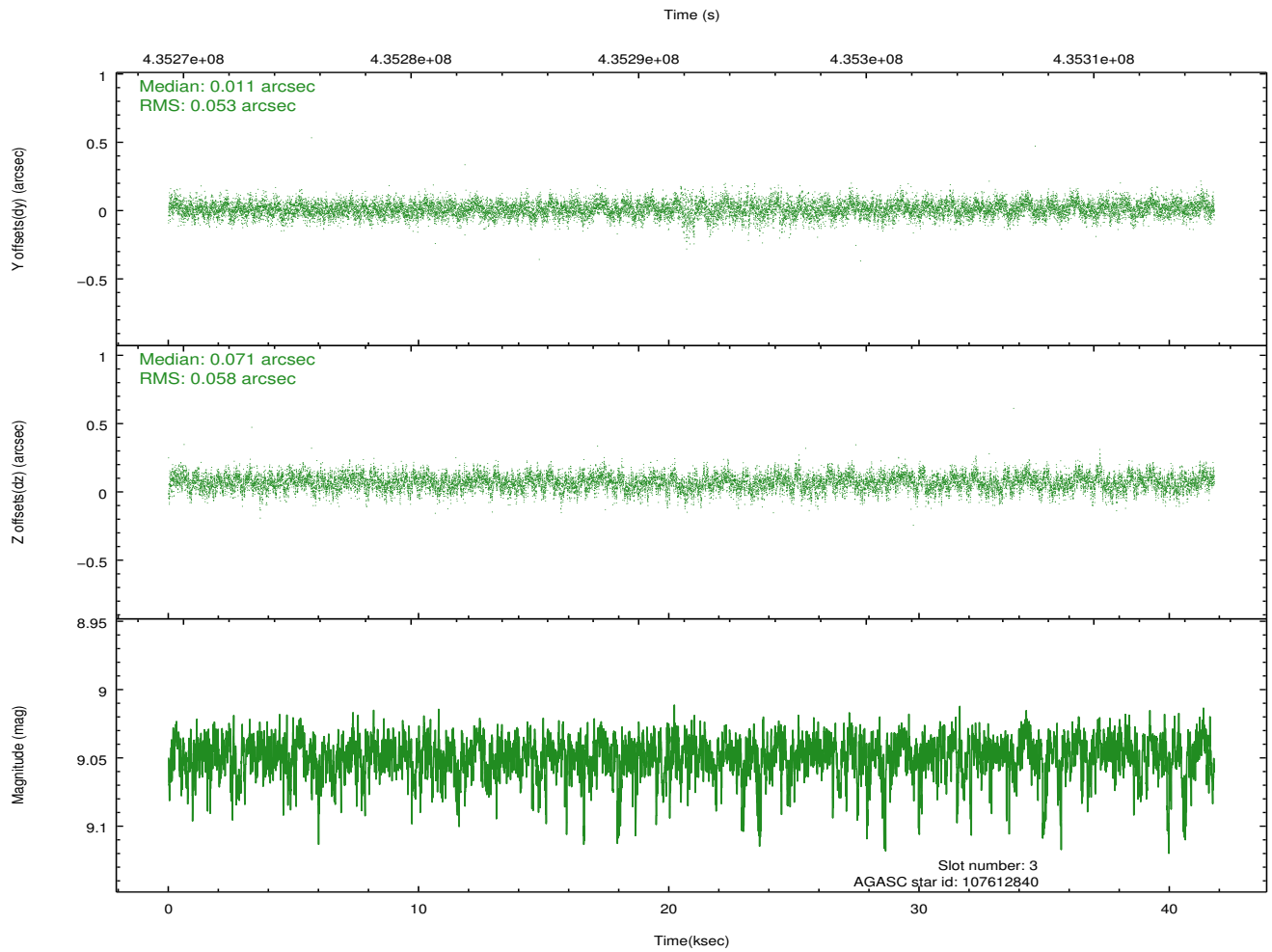
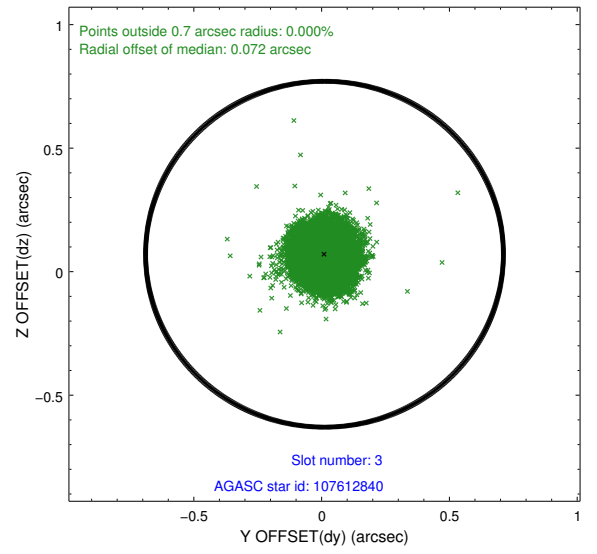
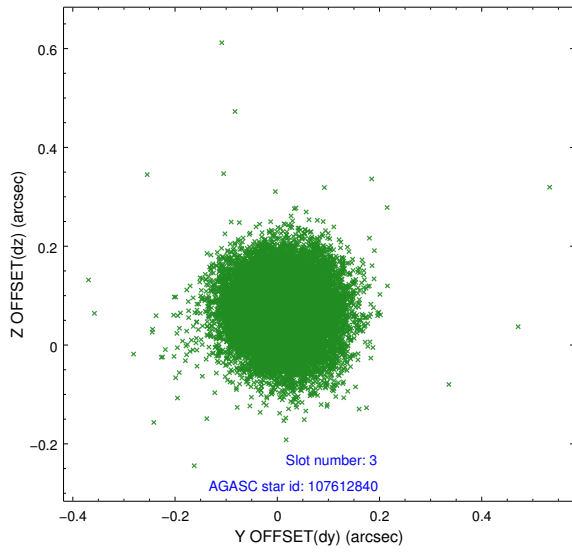


Slot Statistics

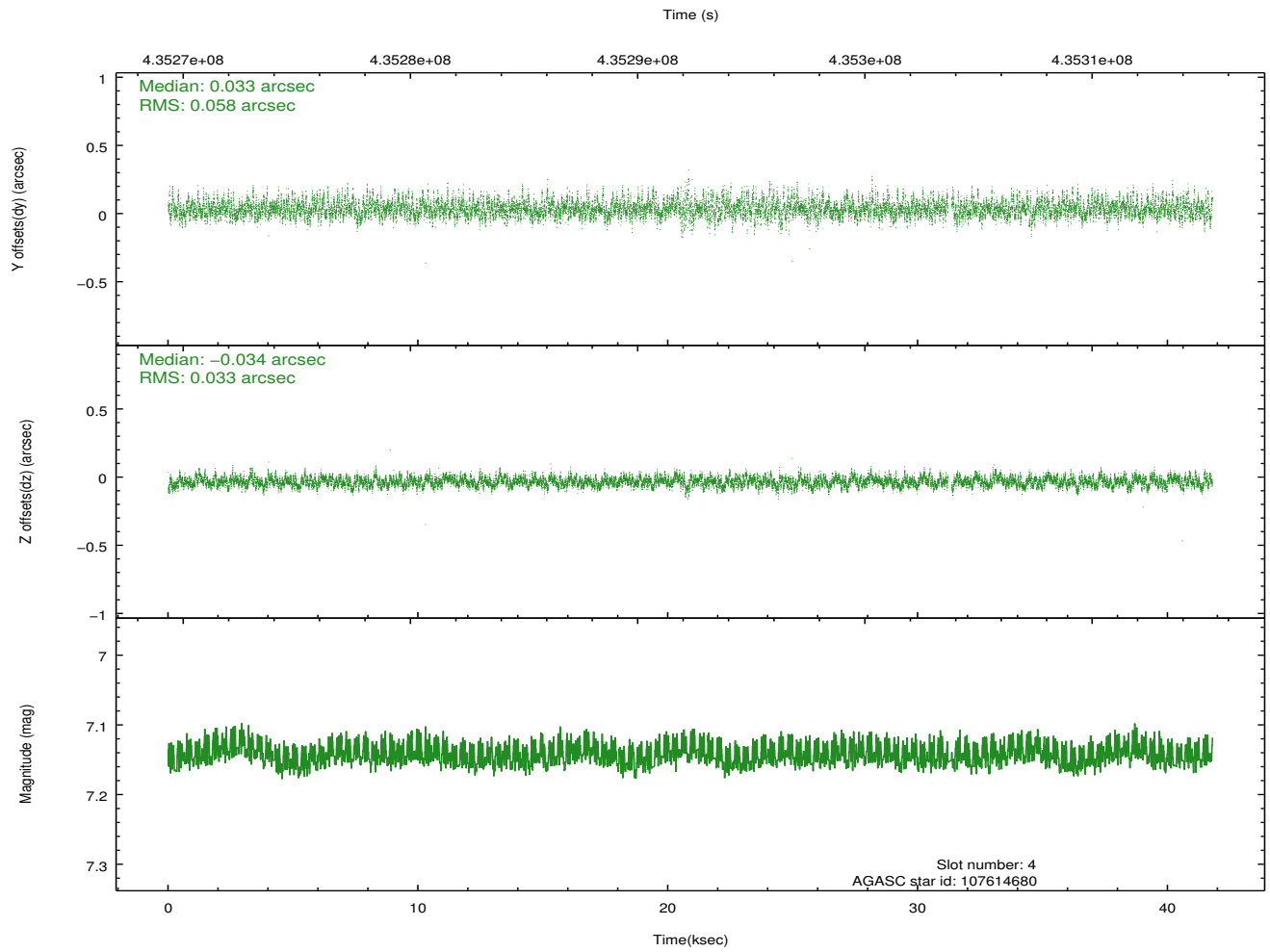
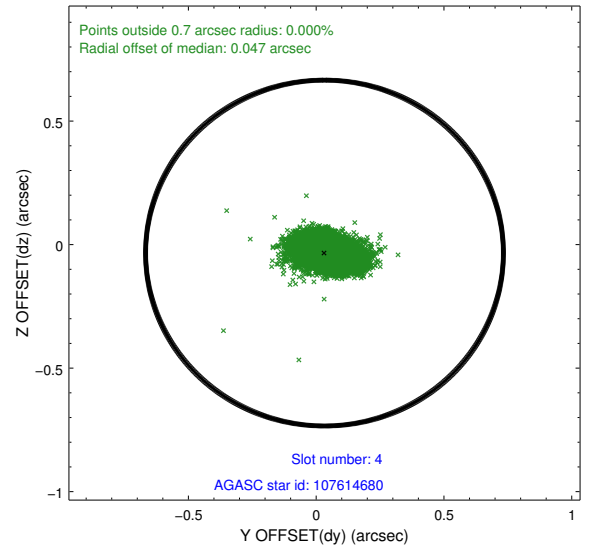
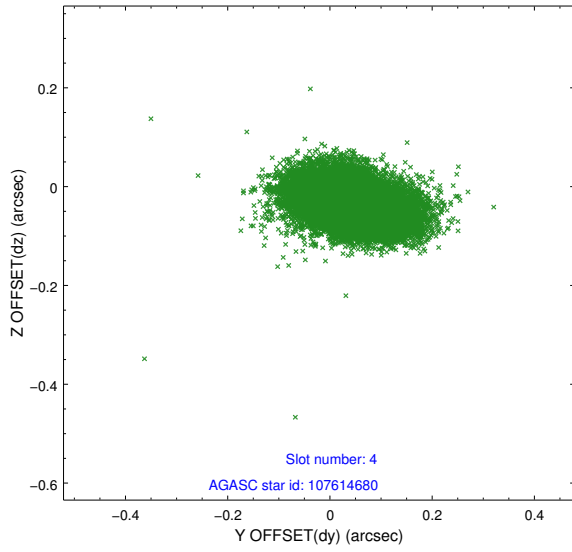
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	10193	-0.105	-0.068	0.014	0.025	0.000000	0.000000	-762.23	-1735.49
1	FID	ACIS-S-4	7.00	10193	0.129	0.047	0.011	0.020	0.000000	0.000000	2151.32	173.02
2	FID	ACIS-S-6	7.14	10193	-0.053	0.029	0.009	0.014	0.000000	0.000000	399.88	810.45
3	GUIDE	107612840	9.05	20359	0.011	0.071	0.083	0.136	145.374441	9.465044	-382.14	1192.16
4	GUIDE	107614680	7.14	20315	0.033	-0.034	0.067	0.122	145.310964	8.995416	-2066.33	919.19
5	GUIDE	107617024	8.32	20381	-0.105	-0.188	0.088	0.149	145.130994	9.426697	-764.16	1979.61
6	GUIDE	107621824	9.72	20369	-0.065	-0.364	0.151	0.243	144.988635	9.221581	-1616.98	2250.84
7	GUIDE	108531080	8.74	20381	0.120	0.518	0.084	0.136	145.751319	8.809136	-2253.93	-773.65

2.4 Star Slots

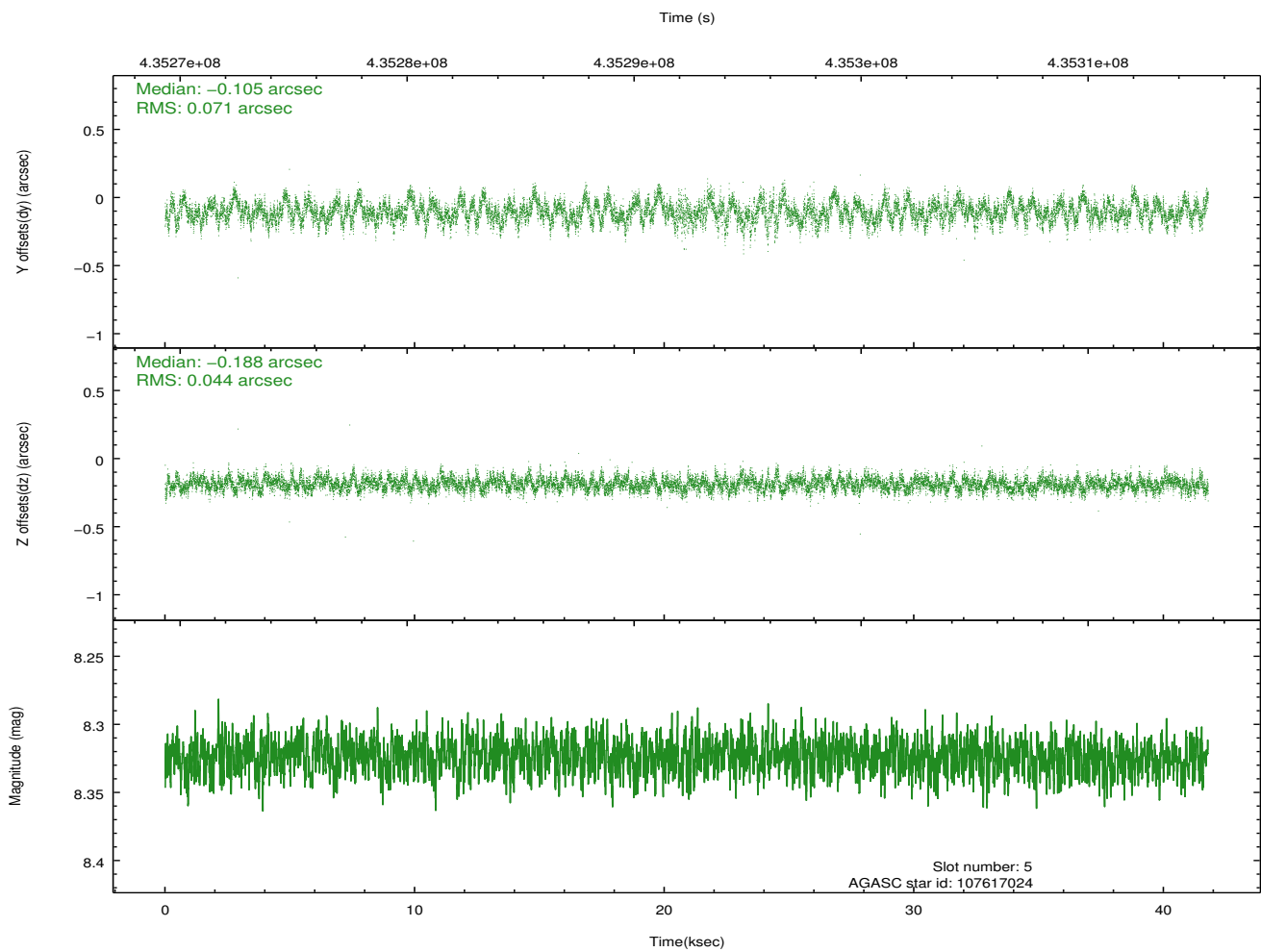
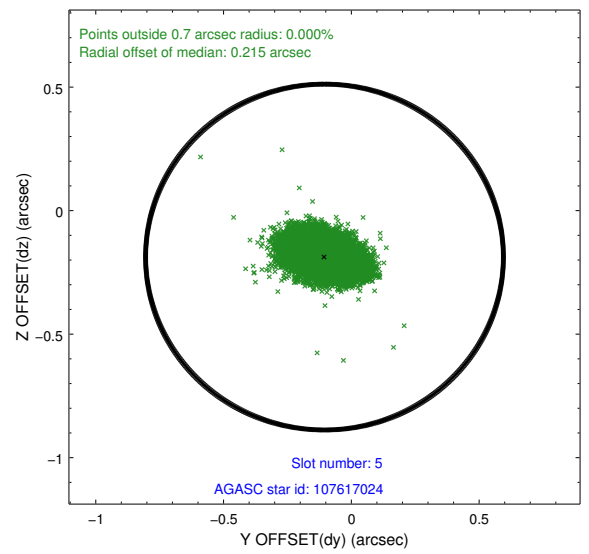
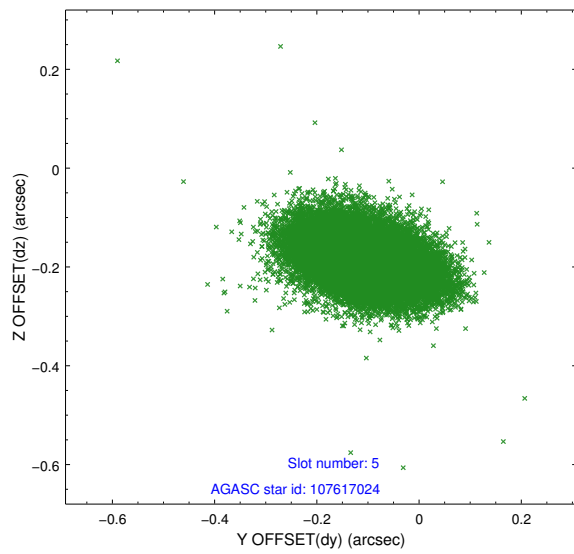
2.4.1 Slot 3



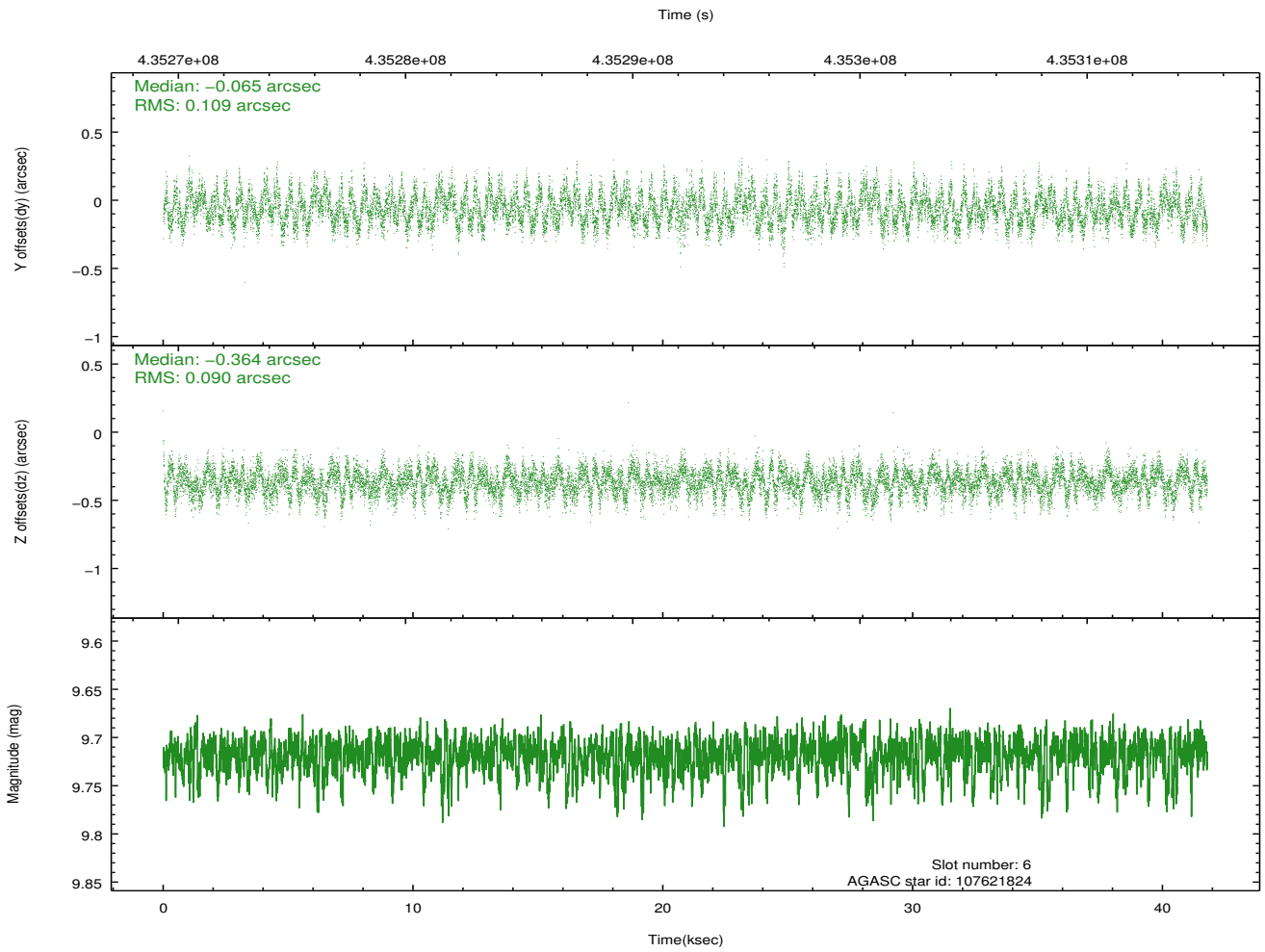
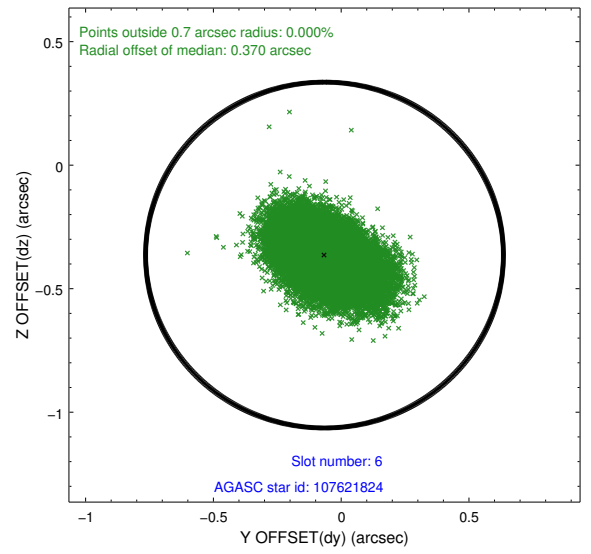
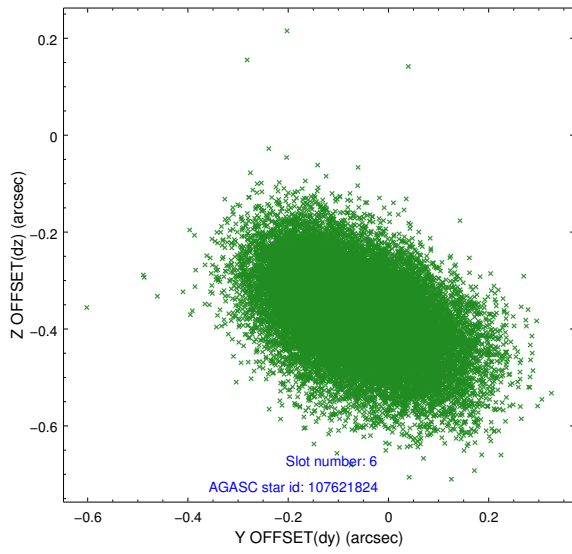
2.4.2 Slot 4



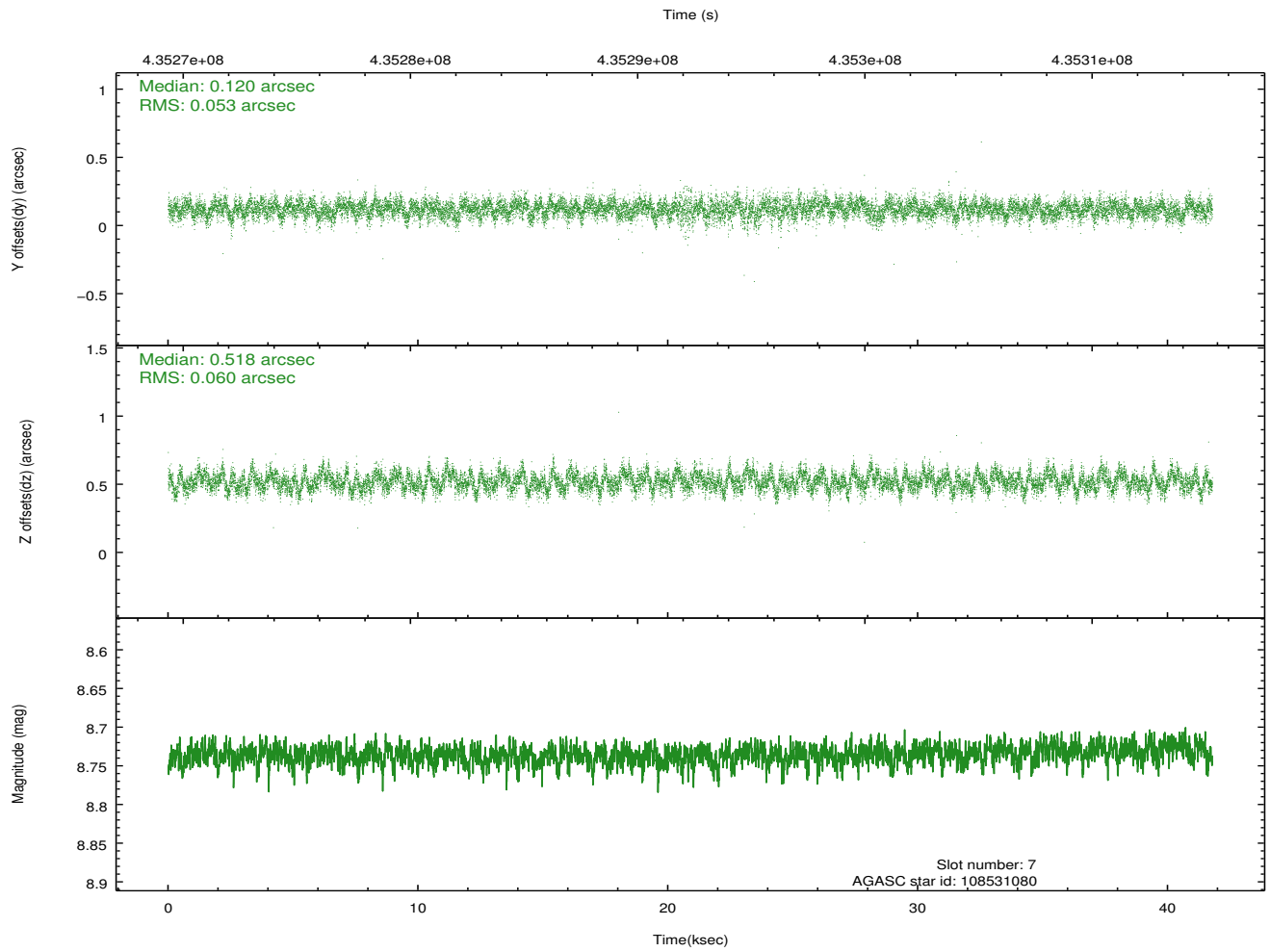
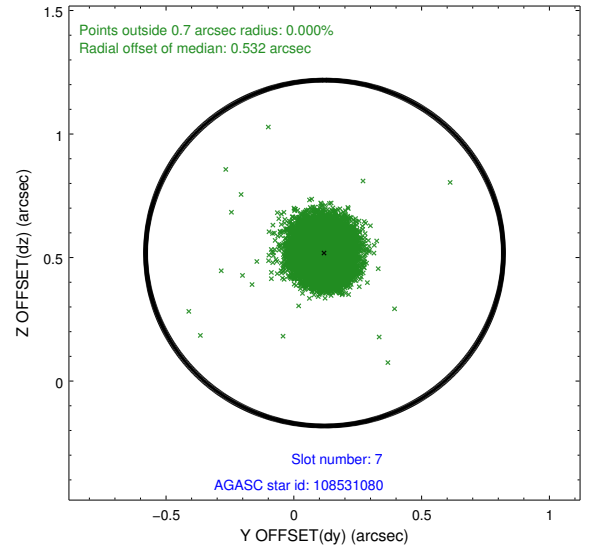
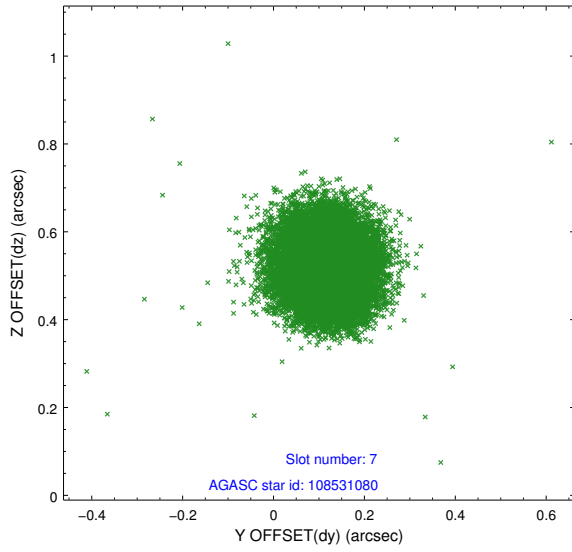
2.4.3 Slot 5



2.4.4 Slot 6

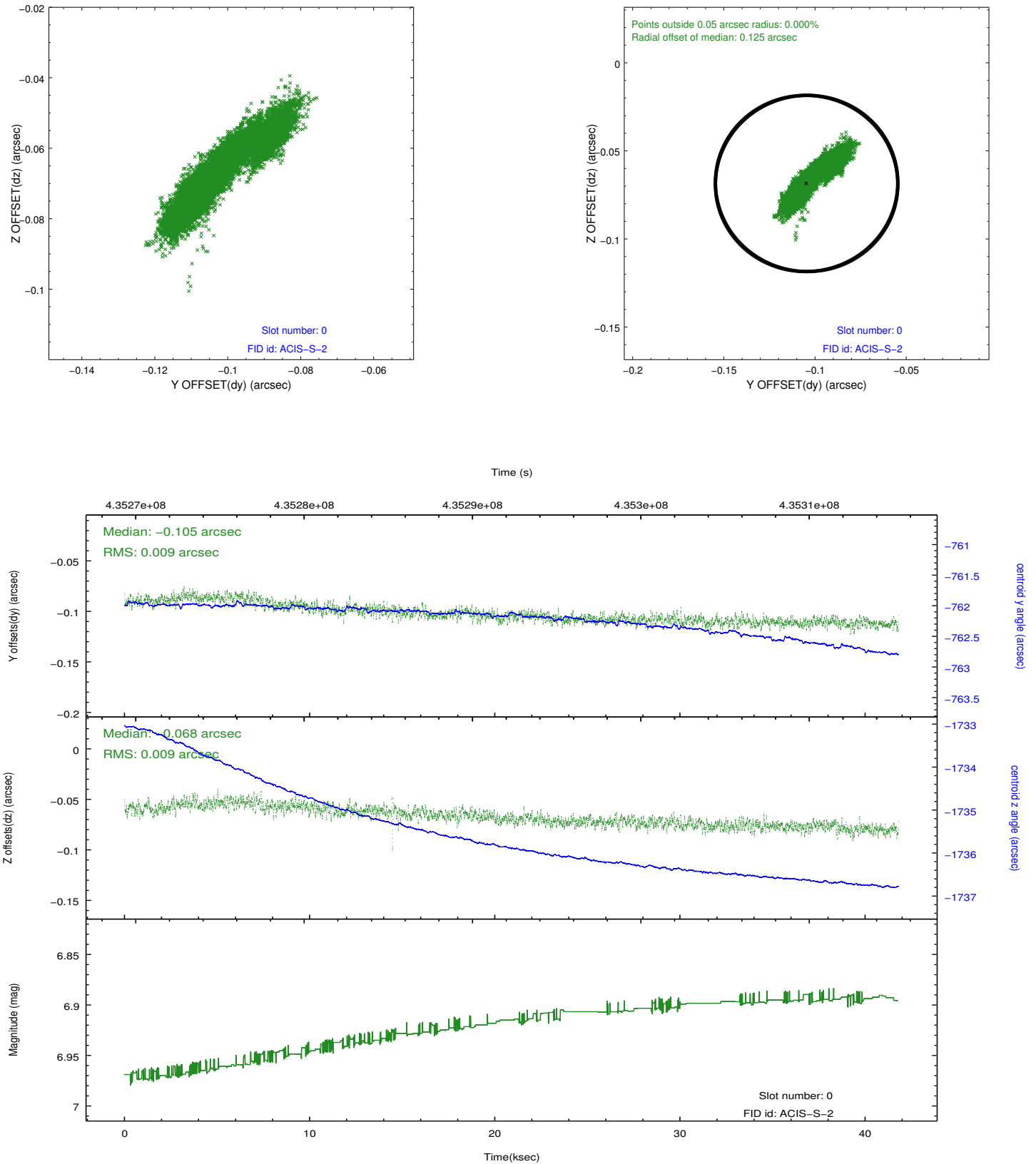


2.4.5 Slot 7

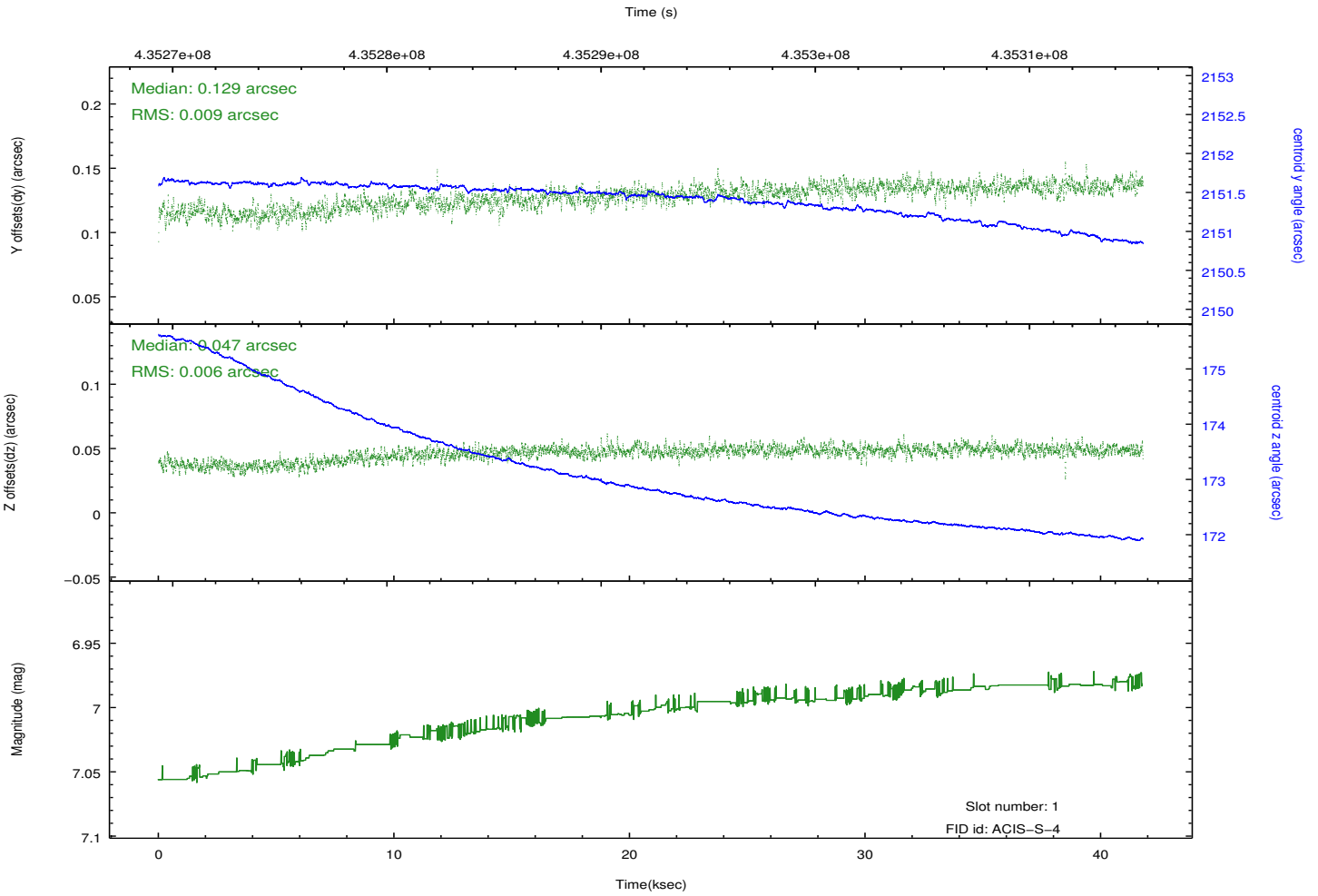
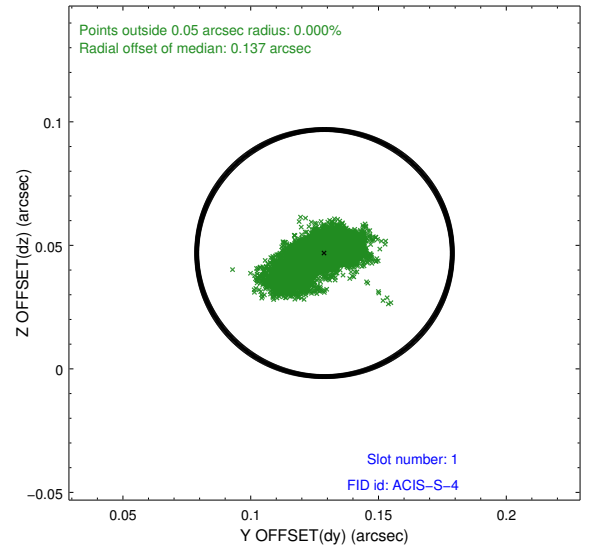
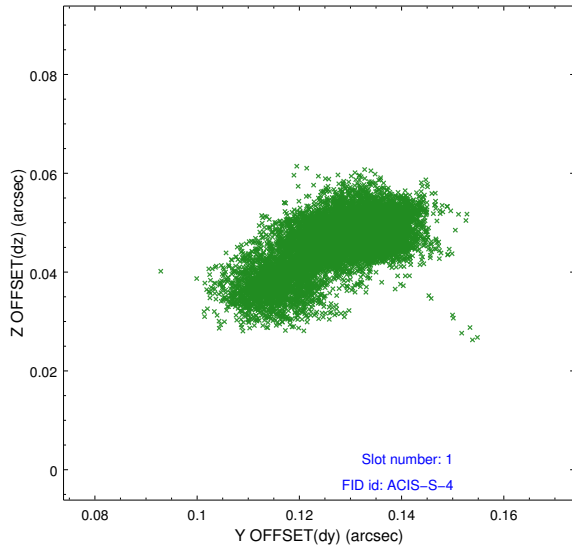


2.5 FID Slots

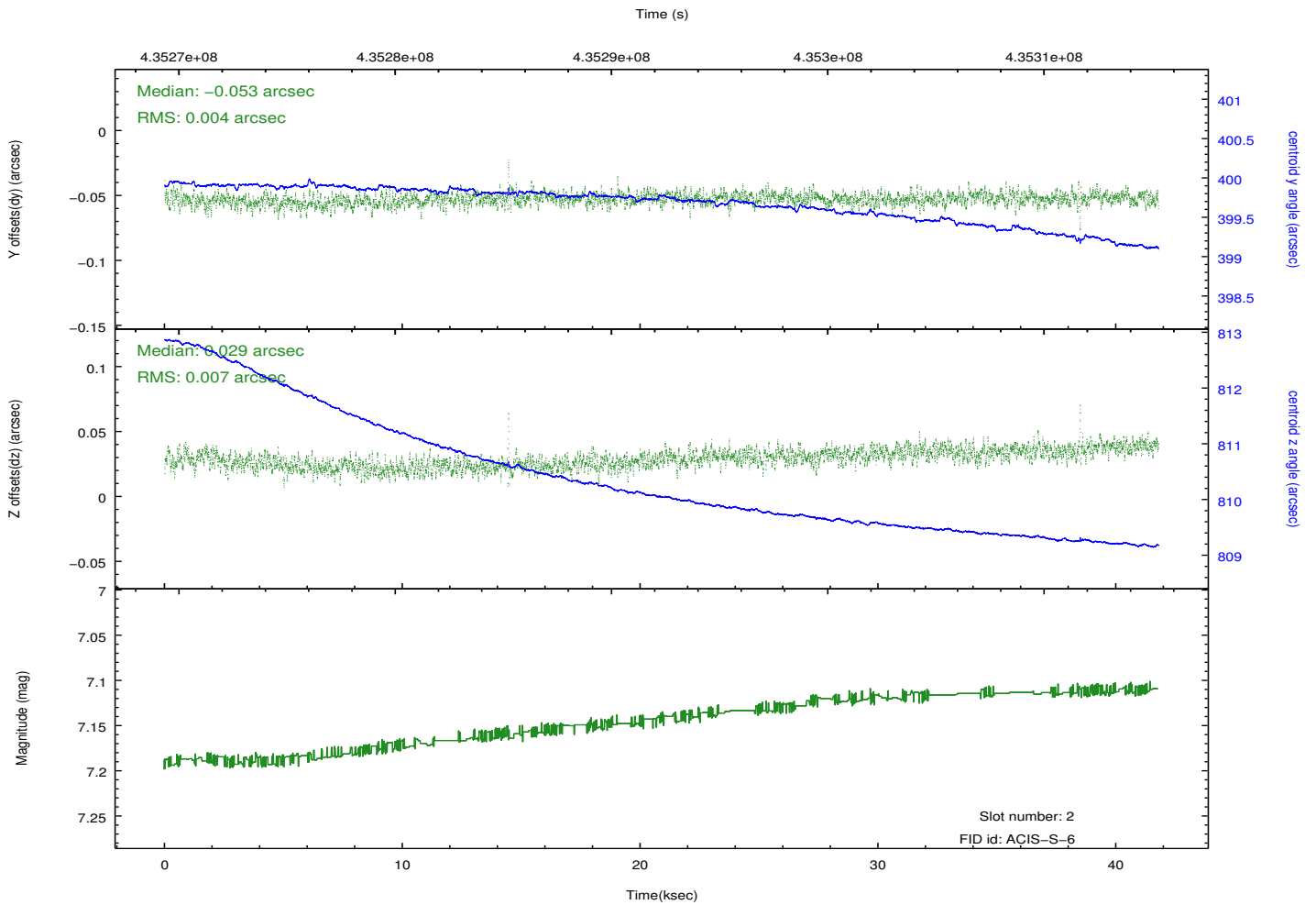
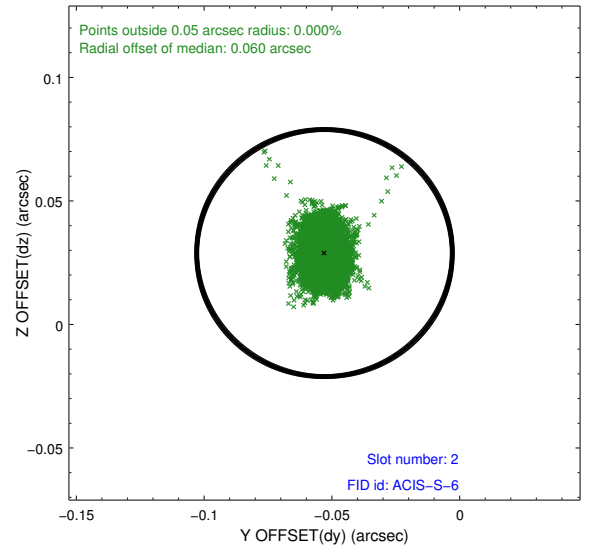
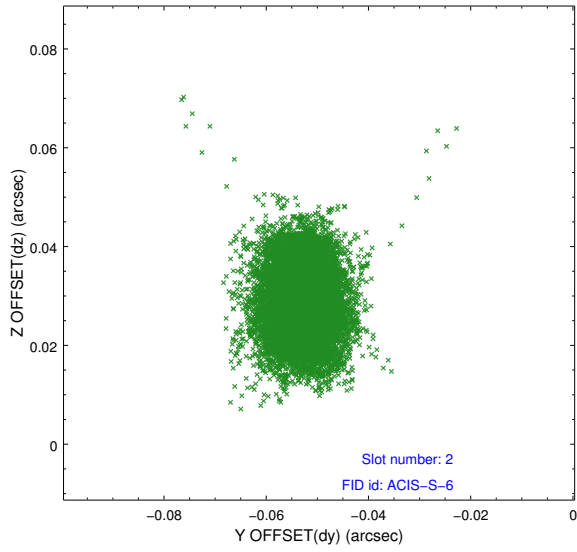
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.043164055109

A.2 Comments