

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18160 - L2 Version 1
Chandra X-Ray Center

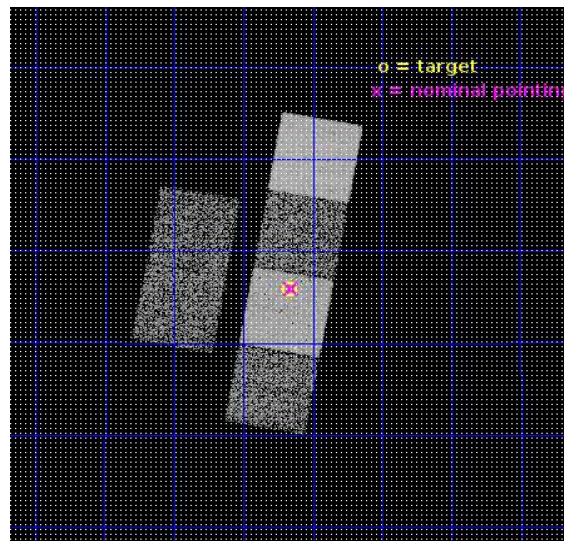
L2 Processing Date : Jun 15 2016

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1 Front

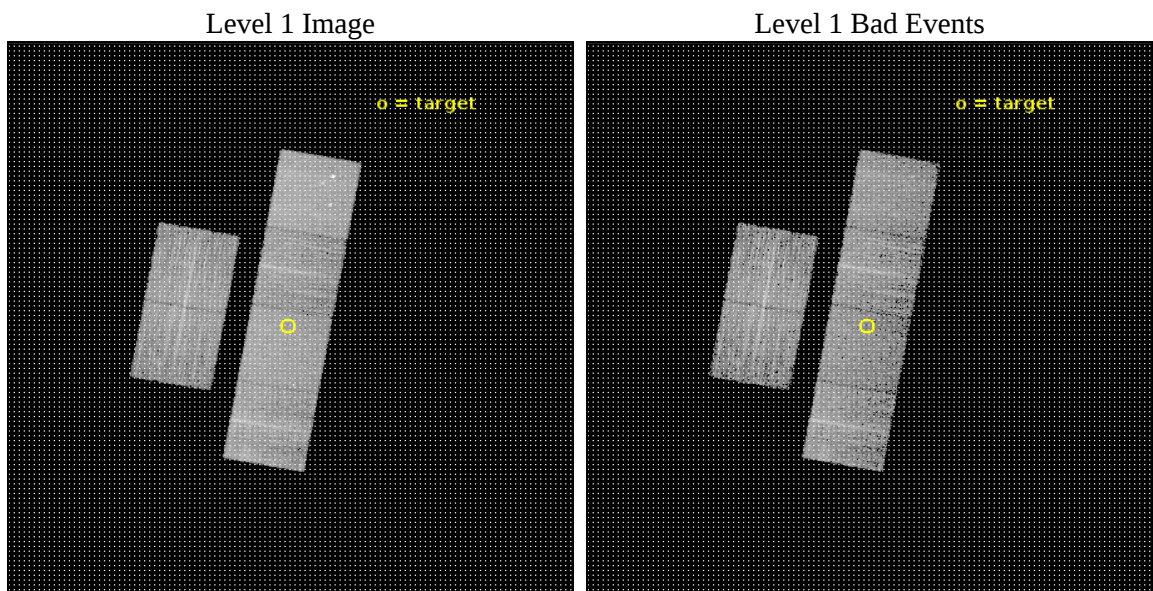
seq_num	703225	Sequence number
obs_id	18160	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	2MASX J01283988+1445536	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	22.16625	Observer's specified target RA [deg]
dec_targ	14.764944	Observer's specified target Dec [deg]
ra_nom	22.163533231147	Nominal RA [deg]
dec_nom	14.765350480684	Nominal Dec [deg]
roll_nom	100.15726322061	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7426.8960777521	Sum of GTIs [s]
livetime	7332.8522476757	Livetime [s]
ontime2	7426.9371176958	Sum of GTIs [s]
ontime3	7426.7729576826	Sum of GTIs [s]
ontime5	7426.8550376892	Sum of GTIs [s]
ontime6	7426.8139977455	Sum of GTIs [s]
ontime7	7426.8960777521	Sum of GTIs [s]
ontime8	7426.7319177389	Sum of GTIs [s]
l2events	75059	Number of level 2 events



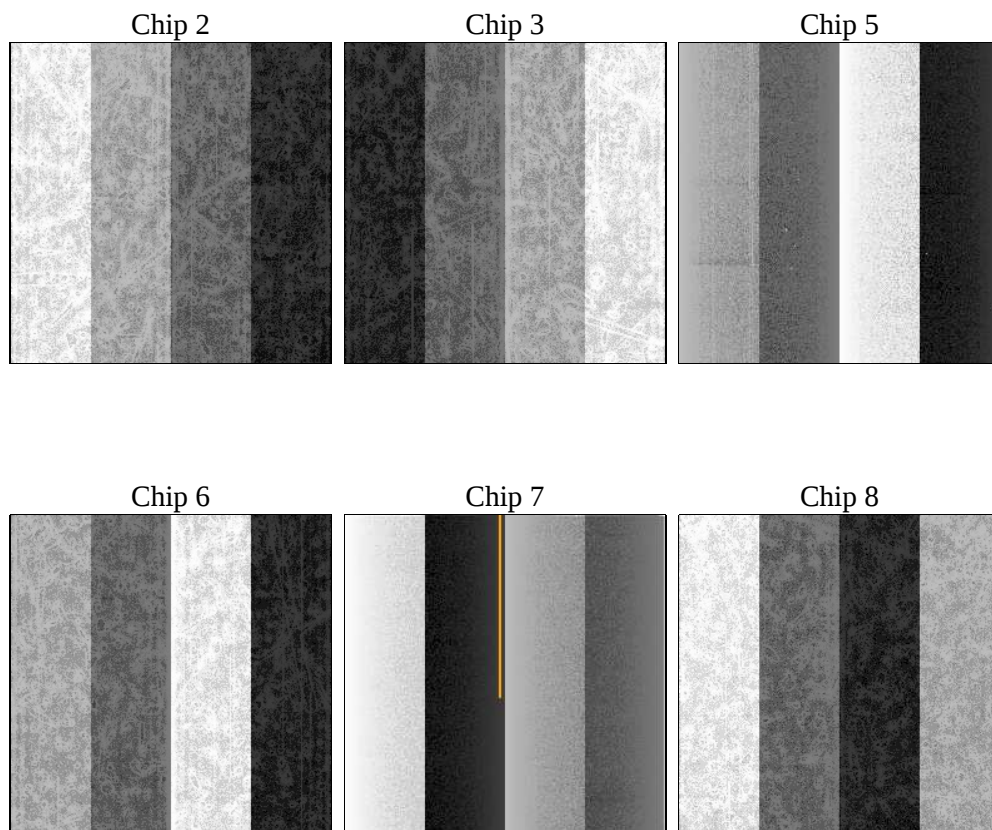
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	7426.8960777521	Sum of GTIs [s]
caldbver	4.7.2	 	ontime2	7426.9371176958	Sum of GTIs [s]
date	2016-06-15T18:57:57	Date and time of file creation	ontime3	7426.7729576826	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	7426.8550376892	Sum of GTIs [s]
			ontime6	7426.8139977455	Sum of GTIs [s]
			ontime7	7426.8960777521	Sum of GTIs [s]
			ontime8	7426.7319177389	Sum of GTIs [s]
			l1events	337763	Number of level 1 events

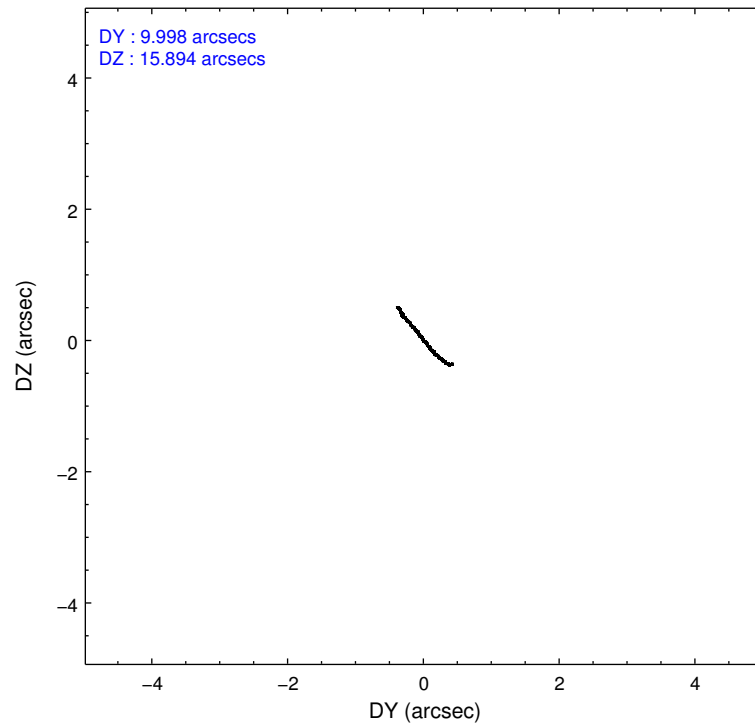
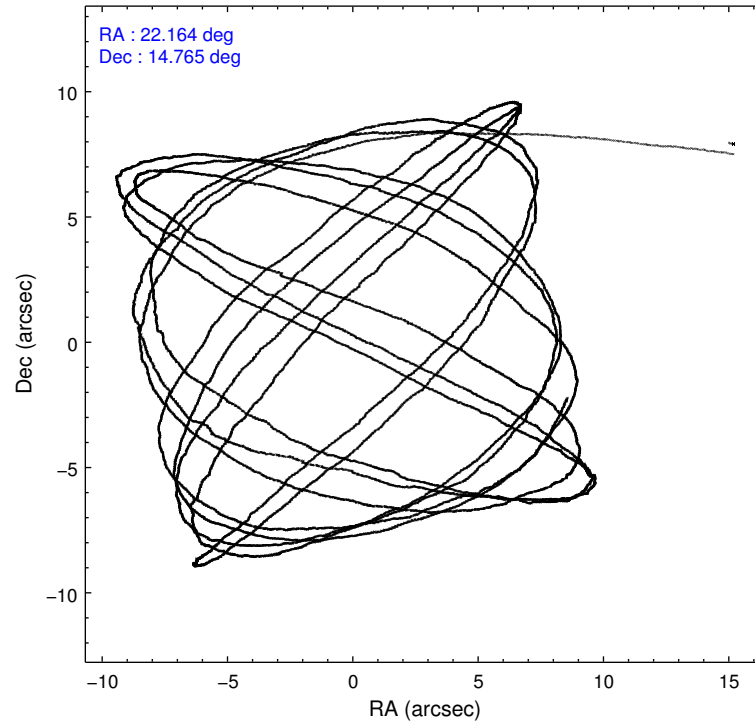
2.1.4 Events

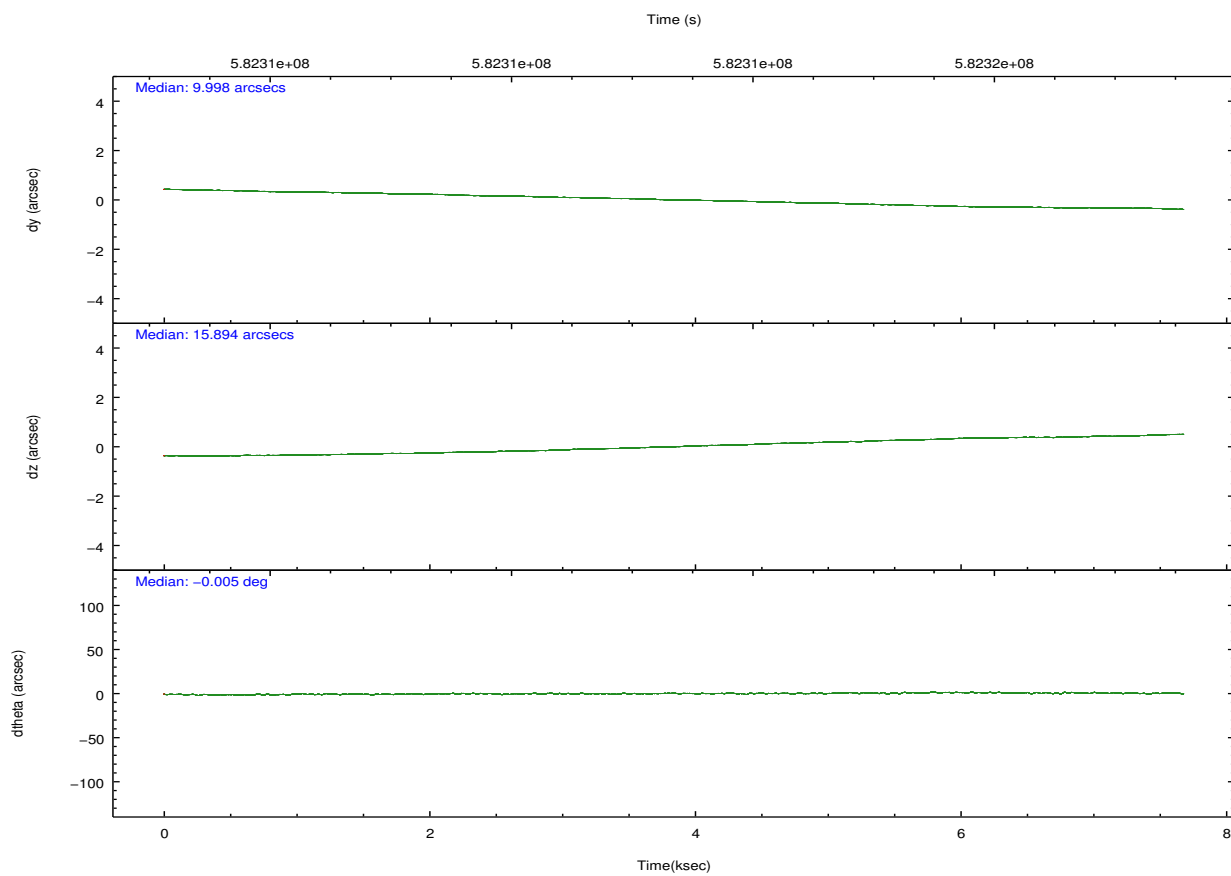
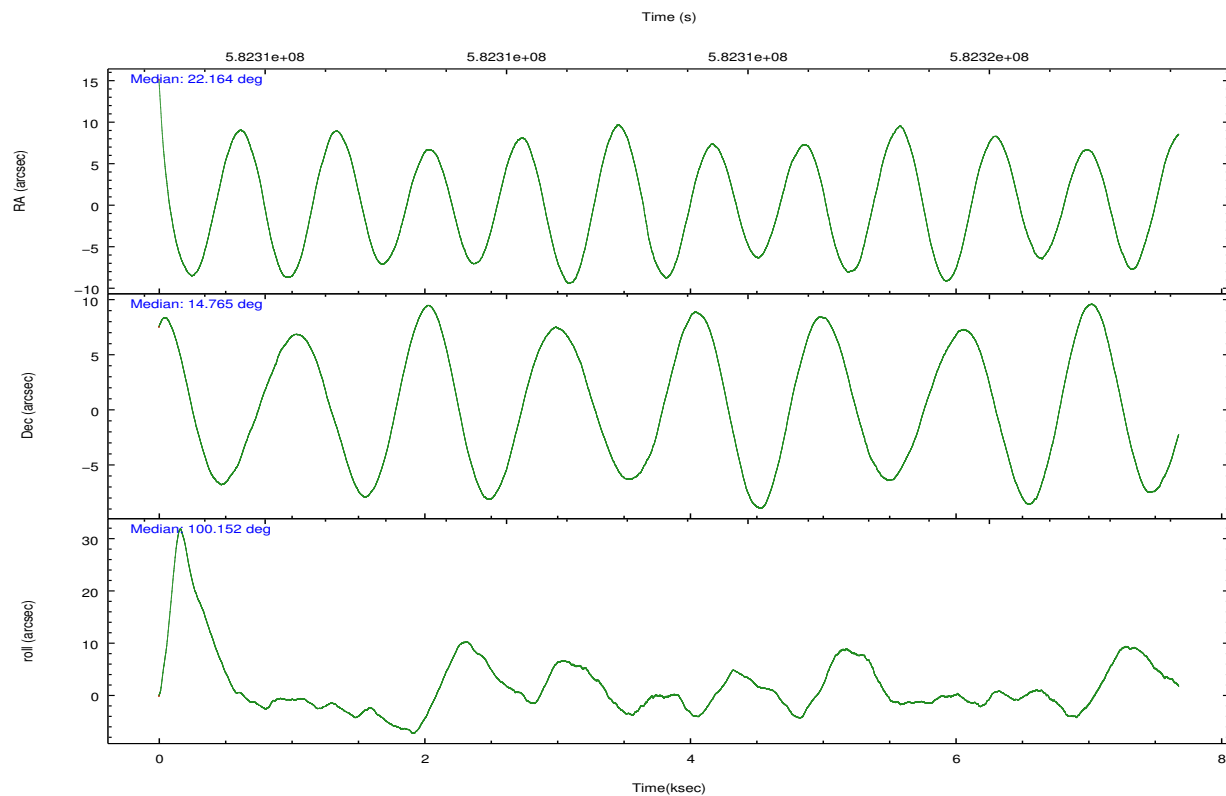
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50501	46048	74860	48363	59118	58873	grade 0 events	1685	1628	3592	1656	2105	4002
rejected events	45729	41451	38820	43015	33801	44423		3%	3%	4%	3%	3%	6%
rejected %	90%	90%	51%	88%	57%	75%	grade 1 events	25	19	290	10	87	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	1167	973	11060	1376	5416	3604
								2%	2%	14%	2%	9%	6%
							grade 3 events	500	478	959	485	1802	1475
								0%	1%	1%	1%	3%	2%
							grade 4 events	463	502	945	484	1838	1408
								0%	1%	1%	1%	3%	2%
							grade 5 events	1807	2159	4824	2152	5517	3074
								3%	4%	6%	4%	9%	5%
							grade 6 events	960	1020	19497	1358	14168	3965
								1%	2%	26%	2%	23%	6%
							grade 7 events	43894	39269	33693	40842	28185	41305
								86%	85%	45%	84%	47%	70%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	22.182124	22.16353323114657	CCD I2 on	O2	Y
[deg] Pointing Dec	14.744645	14.76535048068372	CCD I3 on	O3	Y
[deg] Pointing Roll	99.995955	100.1572632206107	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	O5	Y
[s] Observation start time (MET)	582309681.184000	582308405.89193	CCD S5 on	N	N
Observation start date	2016-06-14T16:40:13	2016-06-14T16:20:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	582317181.184000	582318248.45499	On-chip summing requested	N	N
Observation end date	2016-06-14T18:45:13	2016-06-14T19:04:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



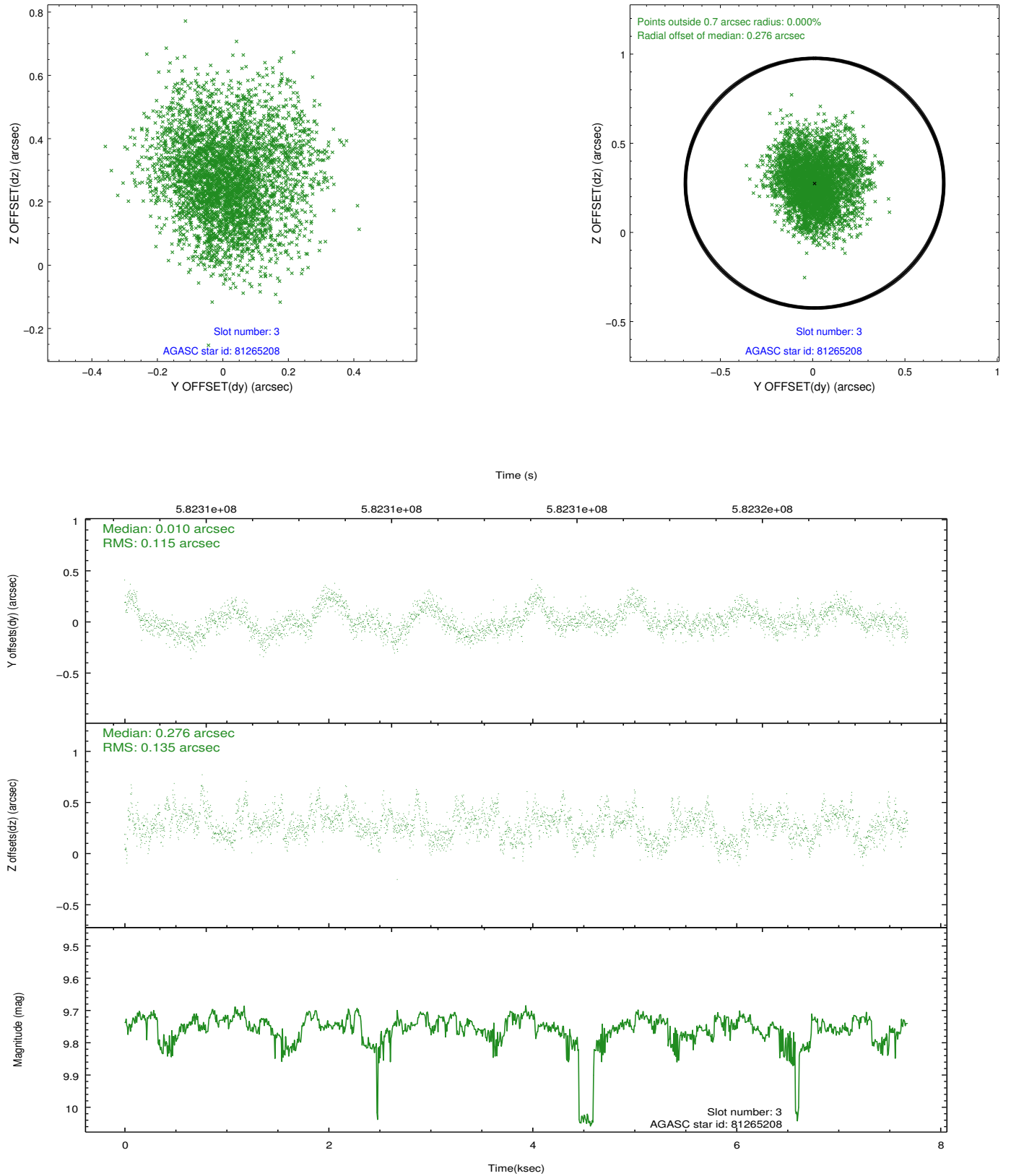


Slot Statistics

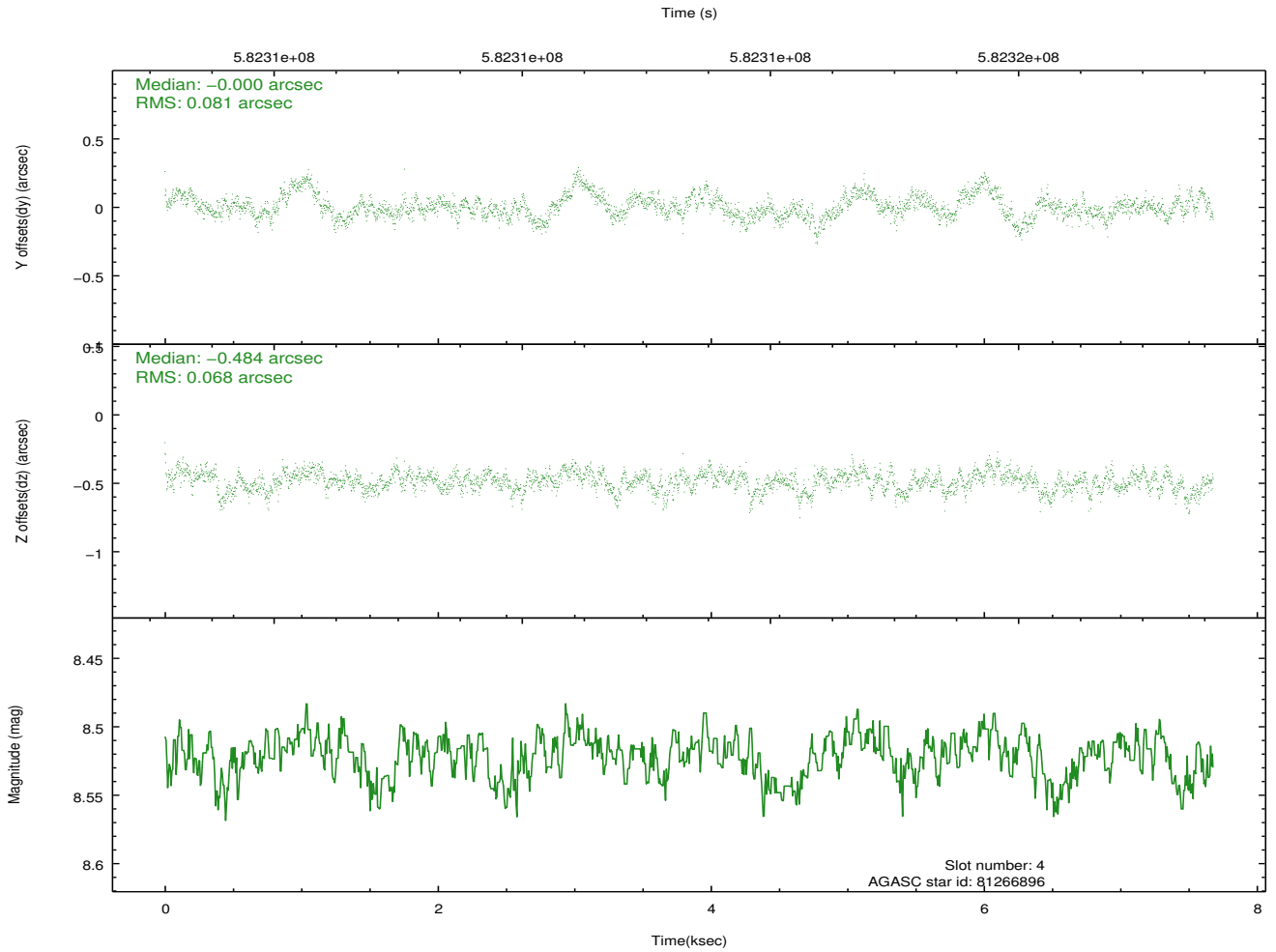
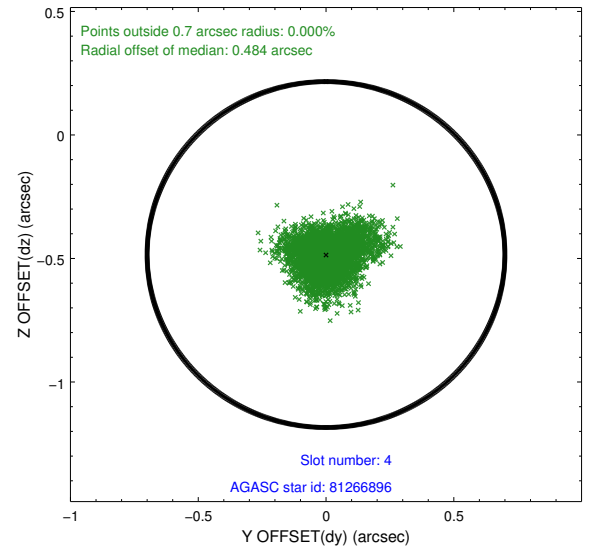
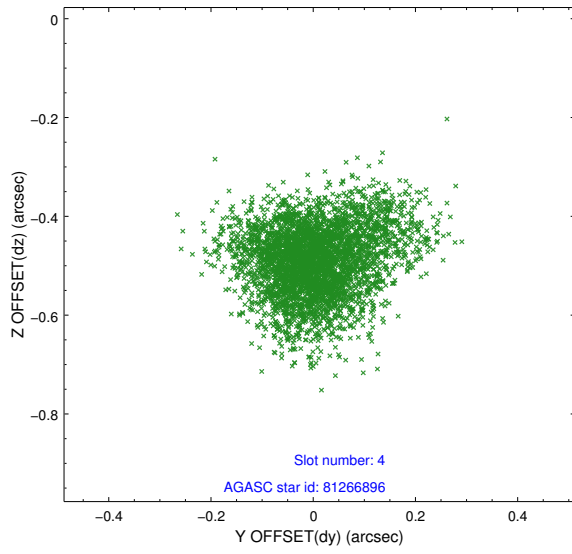
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	1873	-0.152	-0.048	0.009	0.018	0.000000	0.000000	-762.97	-1737.32
1	FID		ACIS-S-4	7.24	1873	0.370	0.086	0.007	0.013	0.000000	0.000000	2150.47	170.55
2	FID		ACIS-S-5	7.24	1874	-0.250	-0.029	0.009	0.023	0.000000	0.000000	-1814.98	164.91
3	GUIDE	used	81265208	9.75	3743	0.010	0.276	0.192	0.304	22.703528	14.791484	-146.28	-1816.36
4	GUIDE	used	81266896	8.52	3743	-0.000	-0.484	0.111	0.188	22.078642	14.476479	-887.70	522.05
5	GUIDE	used	81267136	10.47	3719	-0.190	-0.351	0.321	0.537	21.590719	14.914605	962.18	1919.62
6	GUIDE	used	81270096	9.13	3741	0.317	0.311	0.129	0.211	22.472690	14.209616	-2071.34	-663.33
7	GUIDE	used	157028840	6.76	3746	-0.128	0.246	0.104	0.166	22.695967	15.021613	673.28	-1932.33

2.4 Star Slots

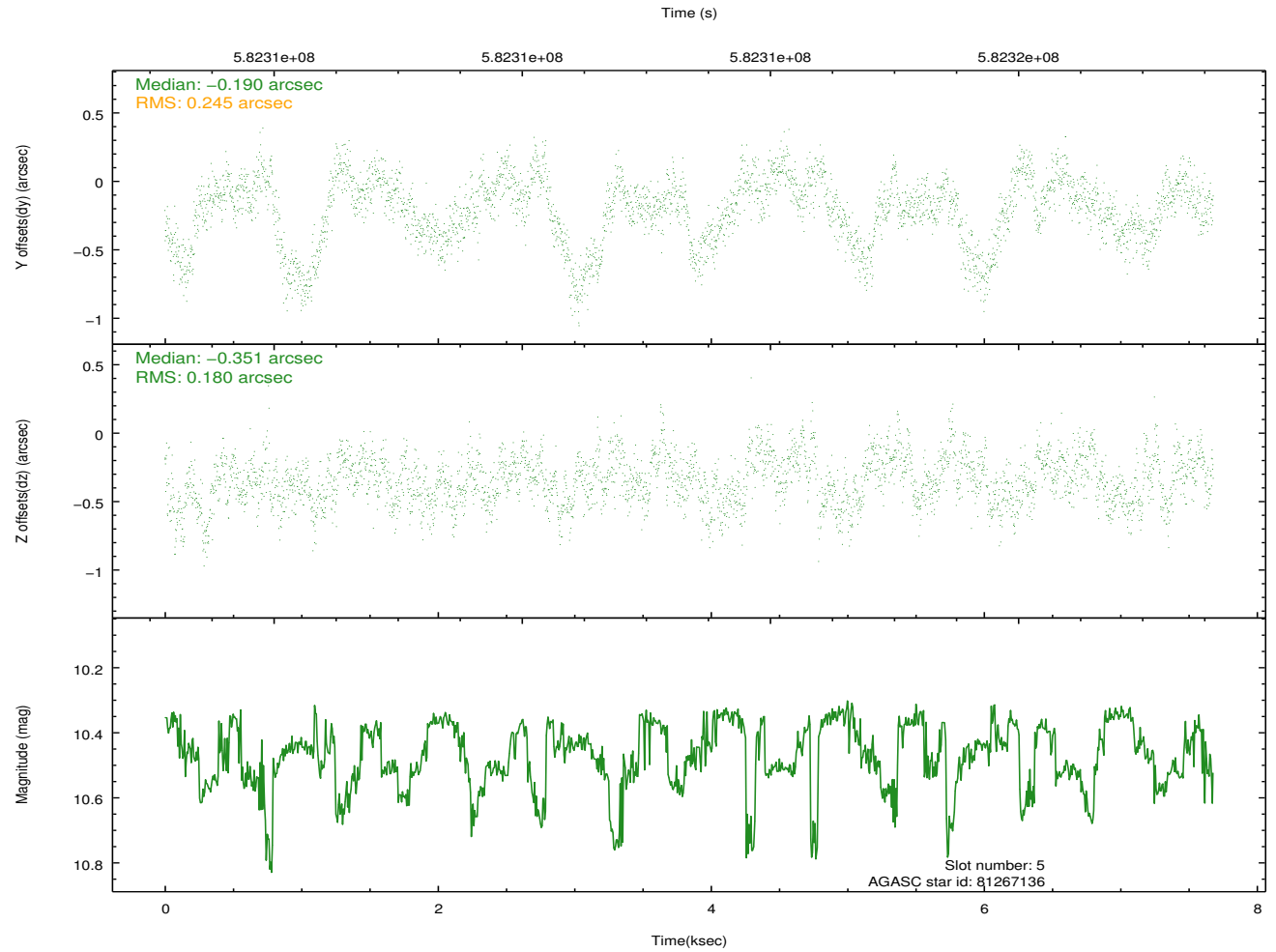
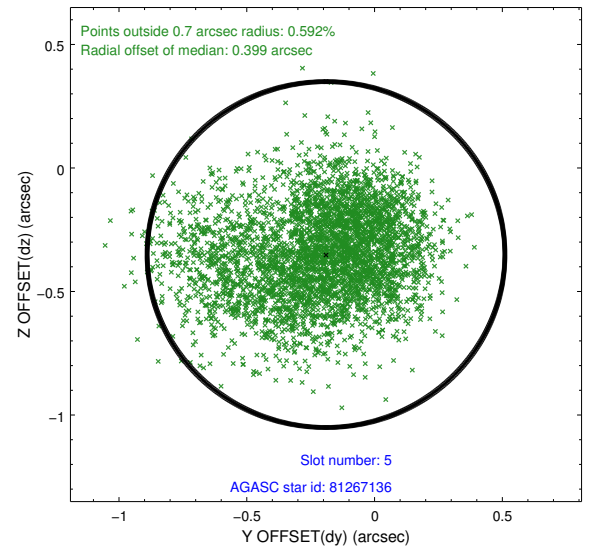
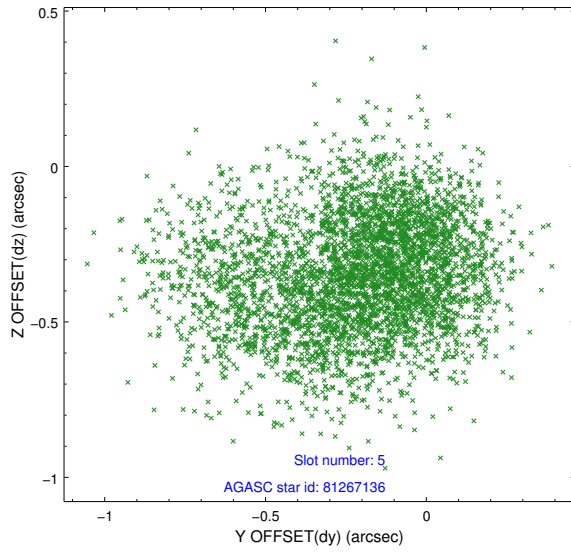
2.4.1 Slot 3



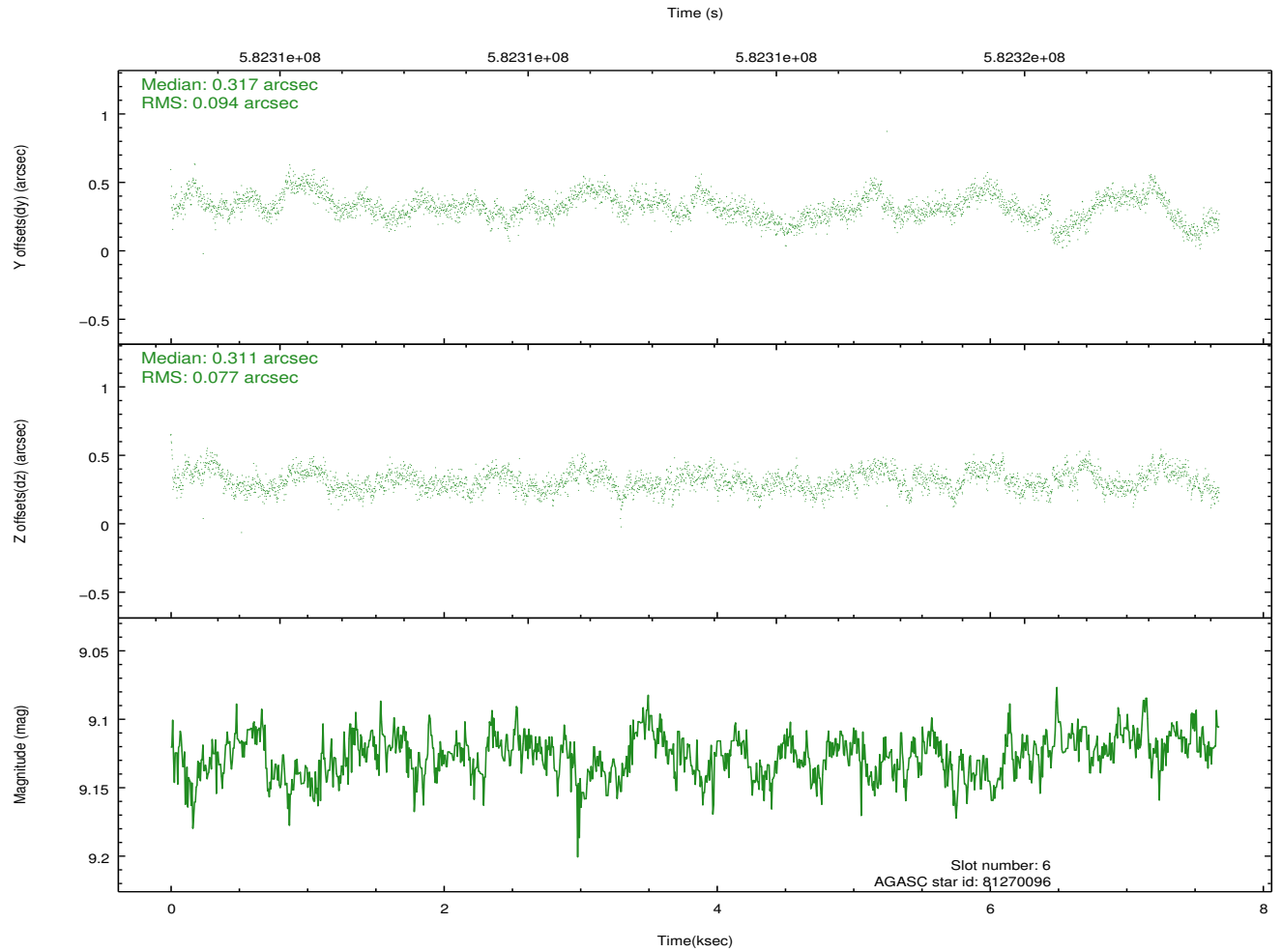
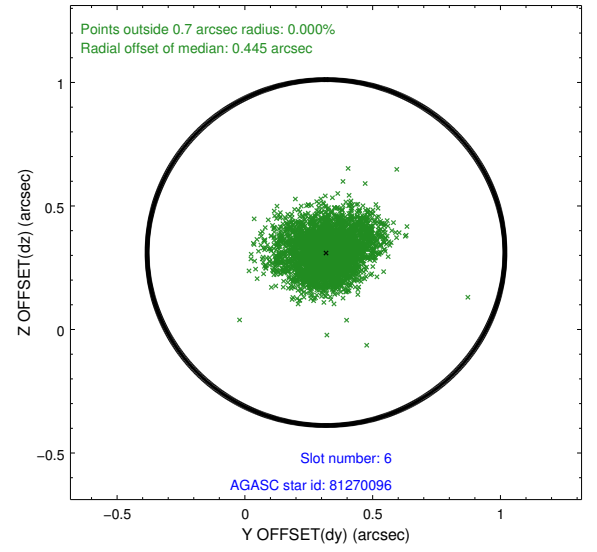
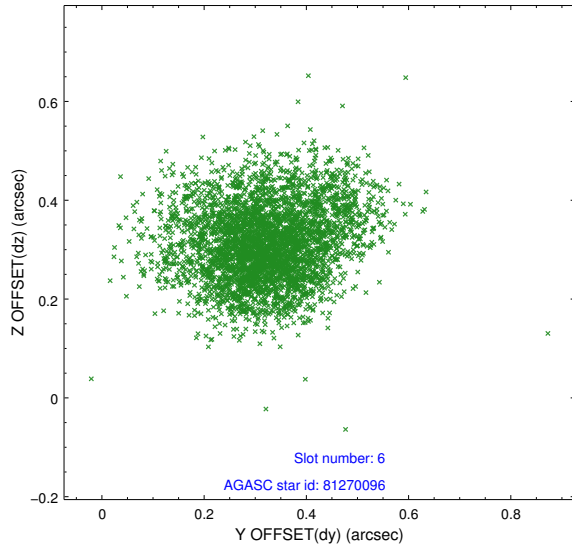
2.4.2 Slot 4



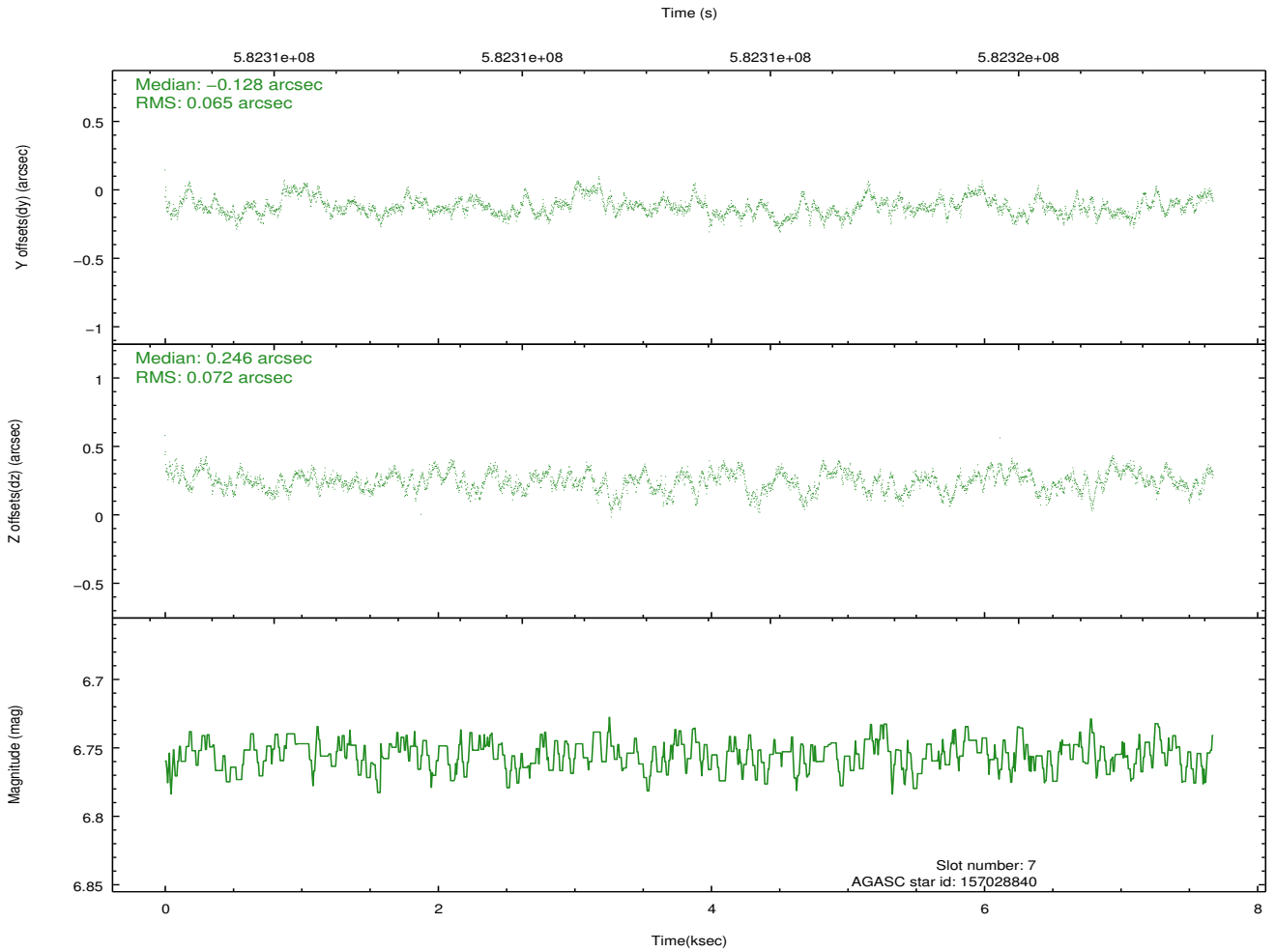
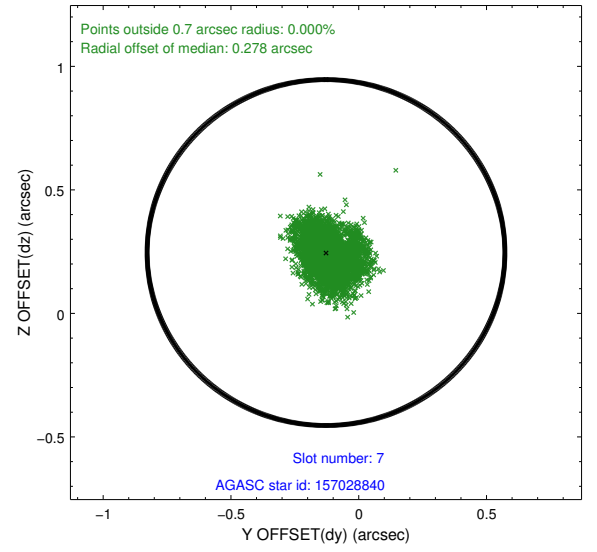
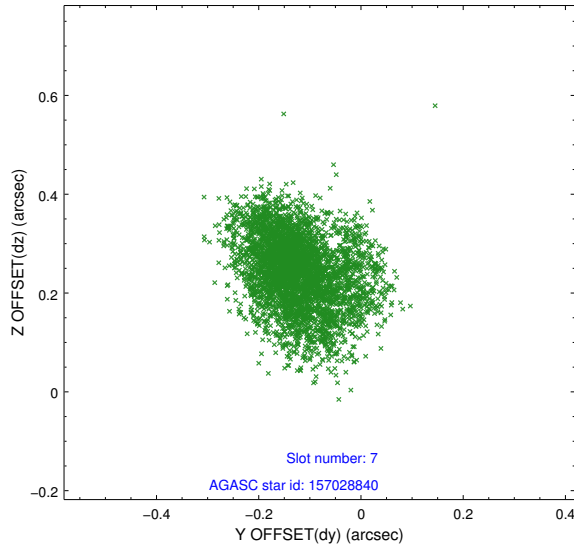
2.4.3 Slot 5



2.4.4 Slot 6

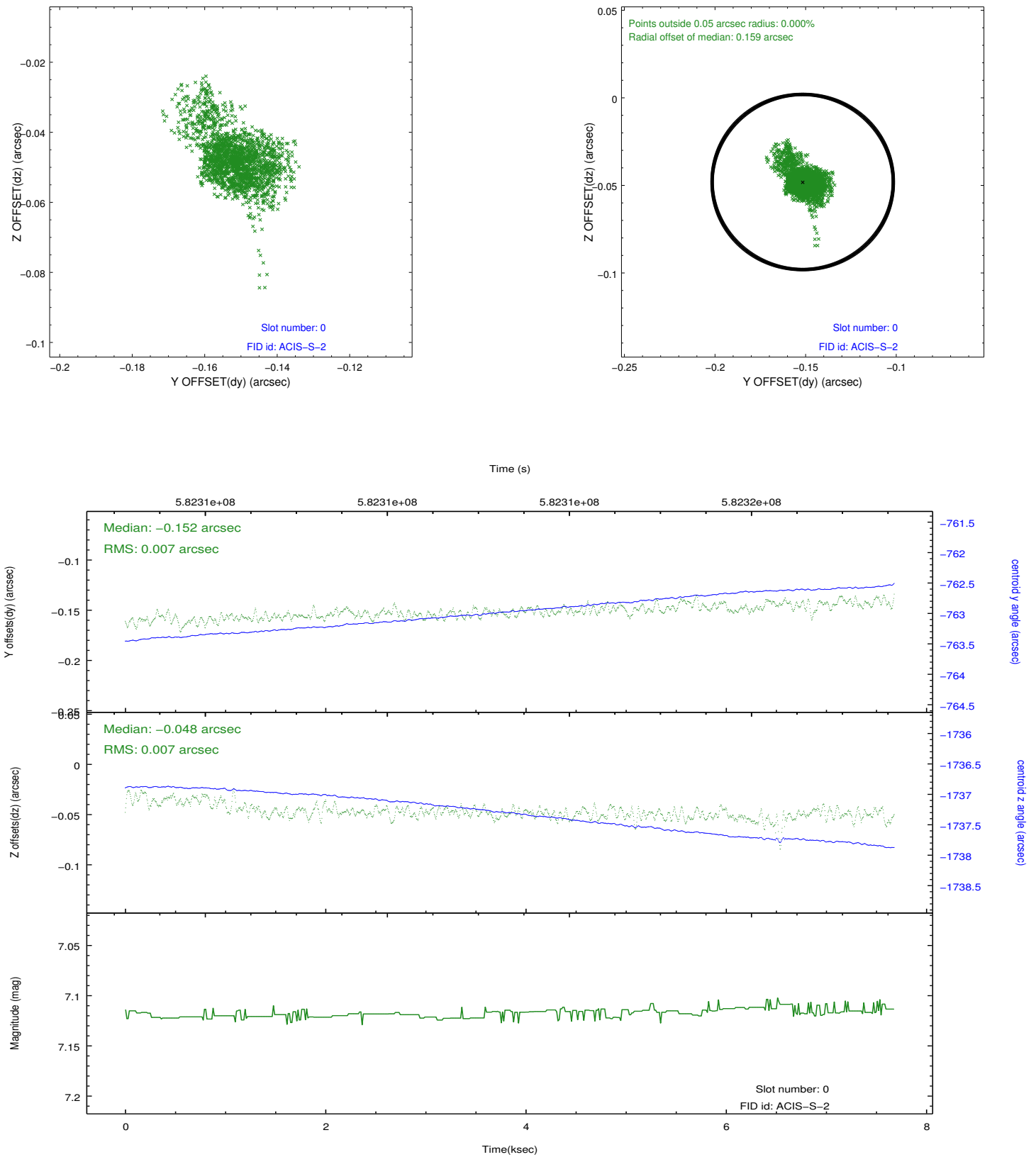


2.4.5 Slot 7

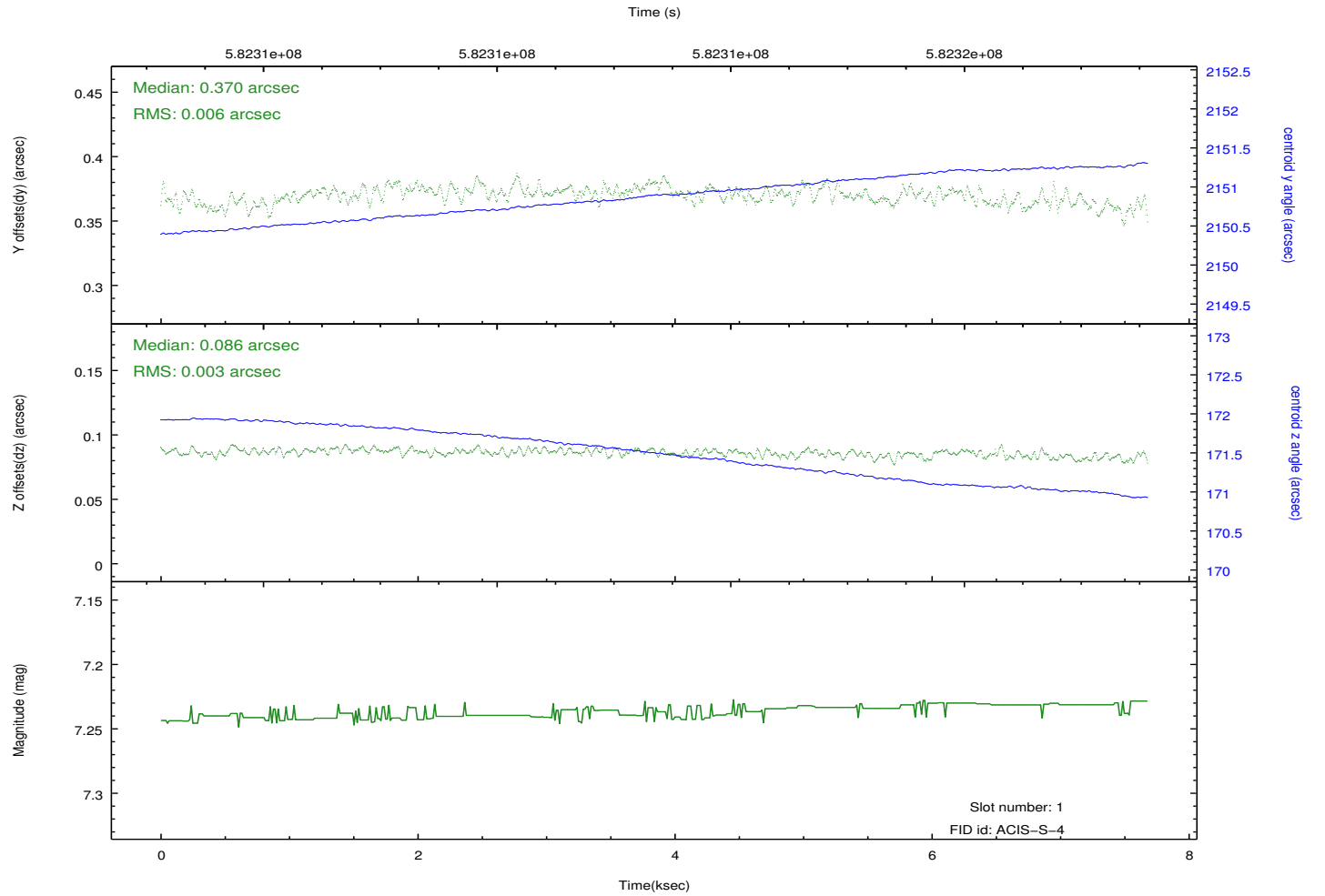
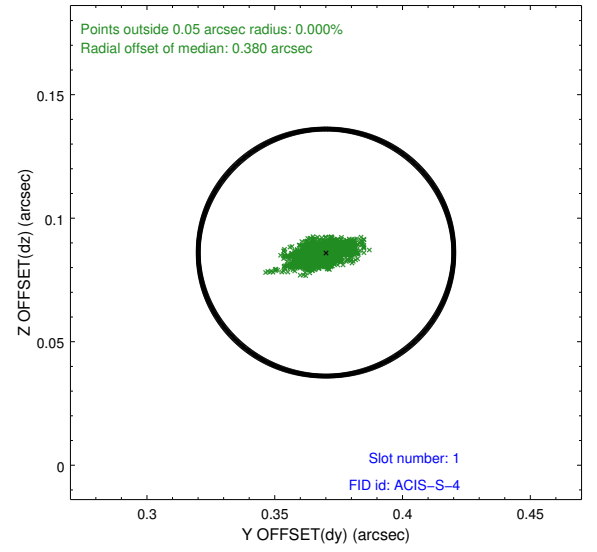
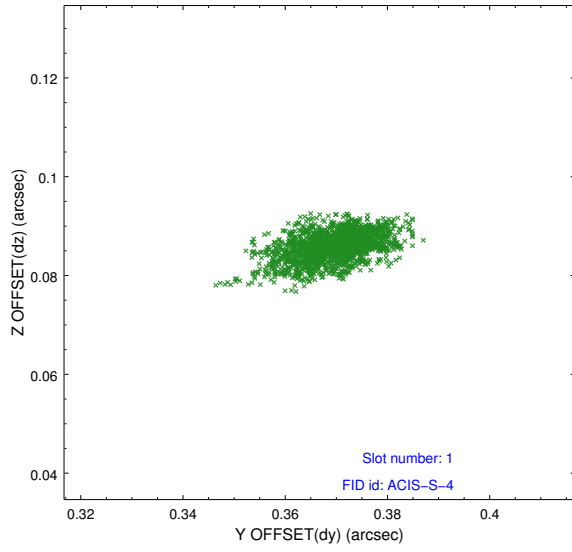


2.5 FID Slots

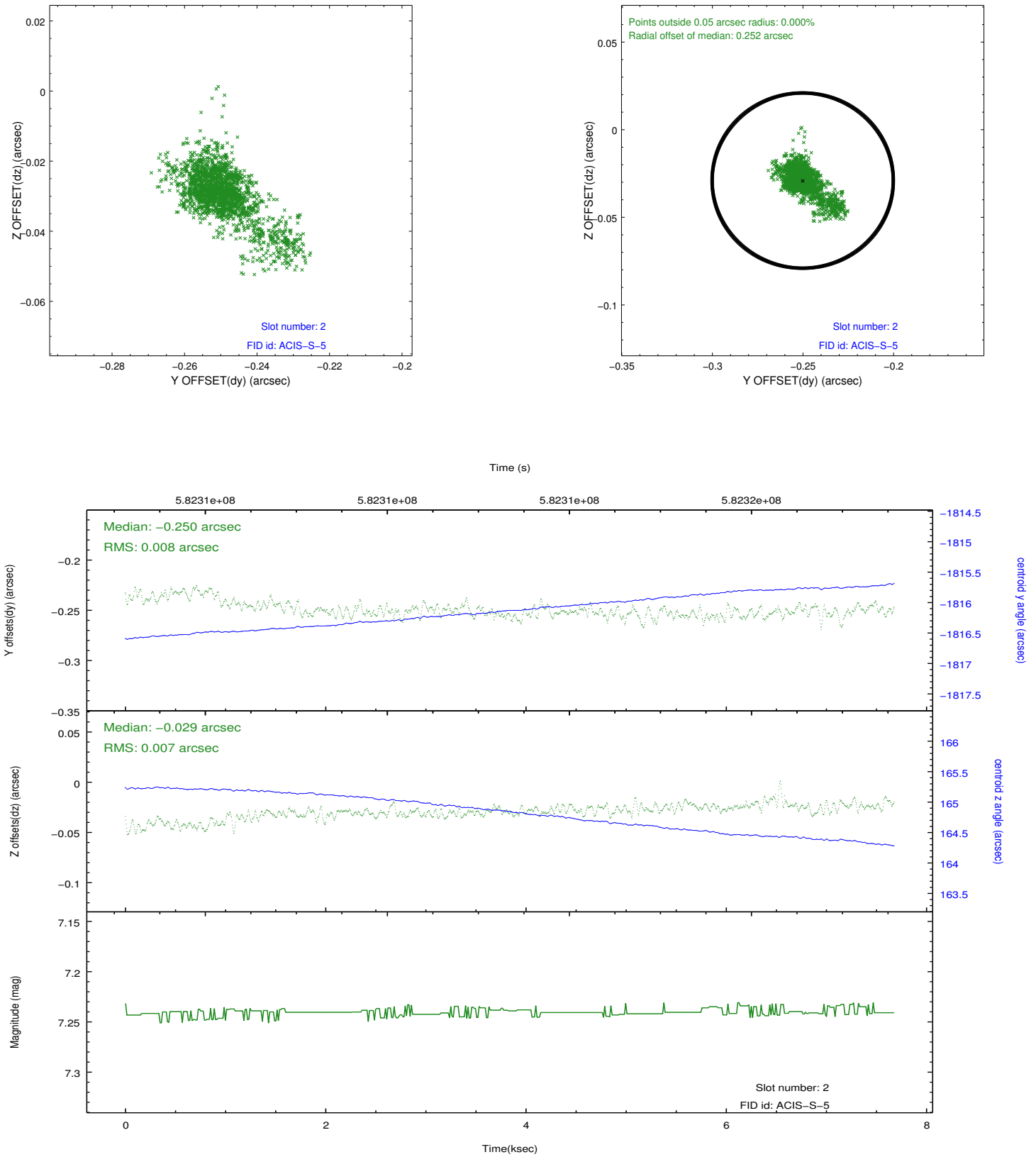
2.5.1 Slot 0



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)	2016.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4268960777521

A.2 Comments