

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17726 - L2 Version 1
Chandra X-Ray Center

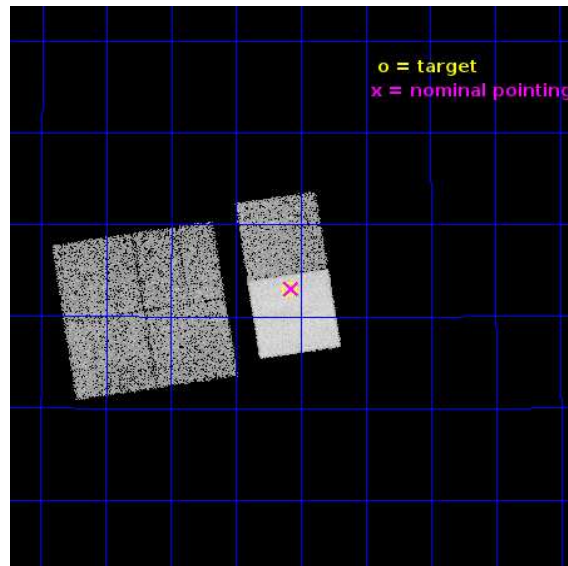
L2 Processing Date : Dec 2 2015

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1 Front

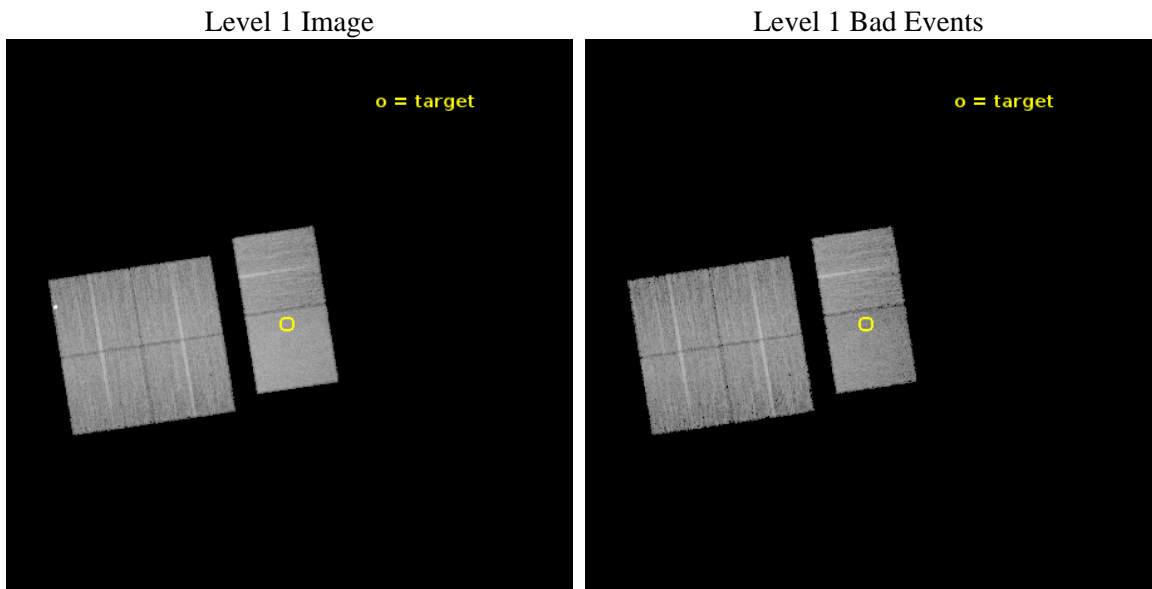
seq_num	201037	Sequence number
obs_id	17726	Observation id
title	The rotation/activity relation of M dwarfs	Proposal title
observer	Dr Beate Stelzer	Principal investigator
object	202059195	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	94.645833	Observer's specified target RA [deg]
dec_targ	25.050278	Observer's specified target Dec [deg]
ra_nom	94.64321842324	Nominal RA [deg]
dec_nom	25.050579529447	Nominal Dec [deg]
roll_nom	81.157755882409	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15233.809045434	Sum of GTIs [s]
livetime	15040.909382602	Livetime [s]
ontime0	15233.850085378	Sum of GTIs [s]
ontime1	15233.644885421	Sum of GTIs [s]
ontime2	15227.203774571	Sum of GTIs [s]
ontime3	15233.726965427	Sum of GTIs [s]
ontime6	15233.768005371	Sum of GTIs [s]
ontime7	15233.809045434	Sum of GTIs [s]
l2events	89519	Number of level 2 events



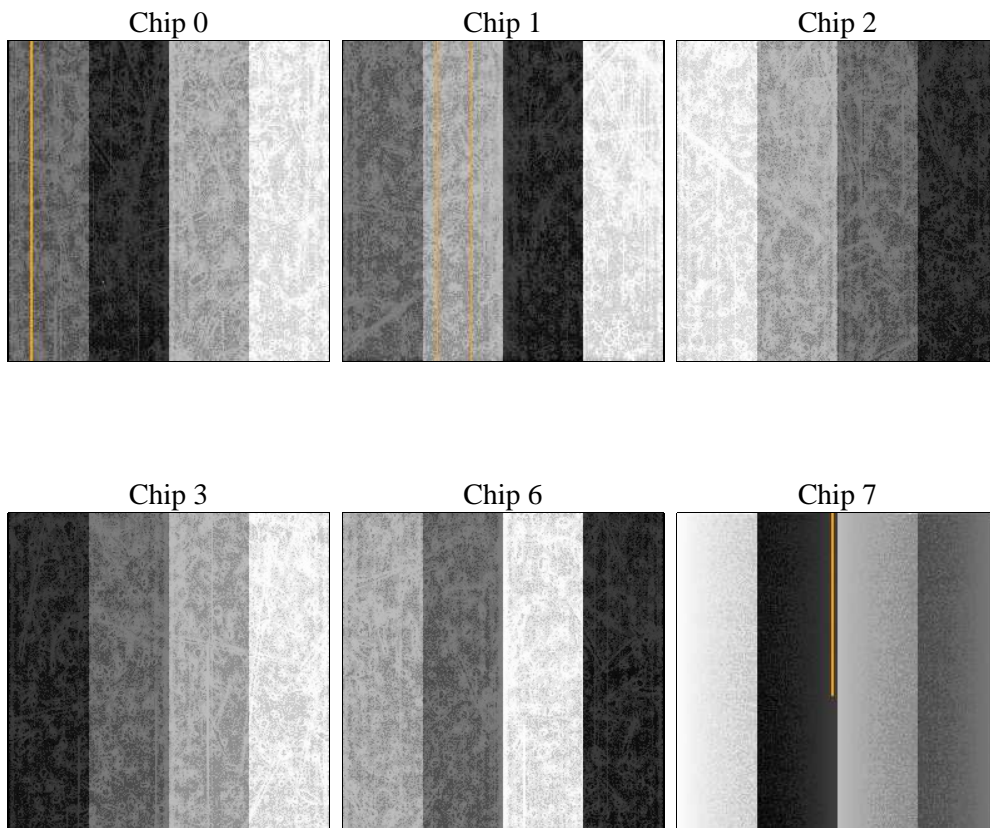
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15271.030000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	15233.809045434	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	15233.850085378	Sum of GTIs [s]
date	2015-12-03T02:52:04	Date and time of file creation	ontime1	15233.644885421	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	15227.203774571	Sum of GTIs [s]
			ontime3	15233.726965427	Sum of GTIs [s]
			ontime6	15233.768005371	Sum of GTIs [s]
			ontime7	15233.809045434	Sum of GTIs [s]
			l1events	543956	Number of level 1 events

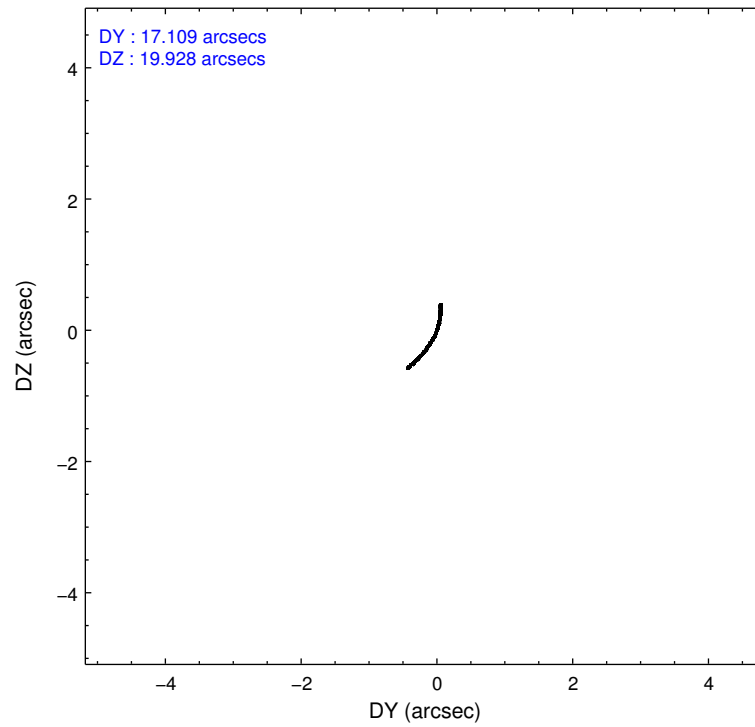
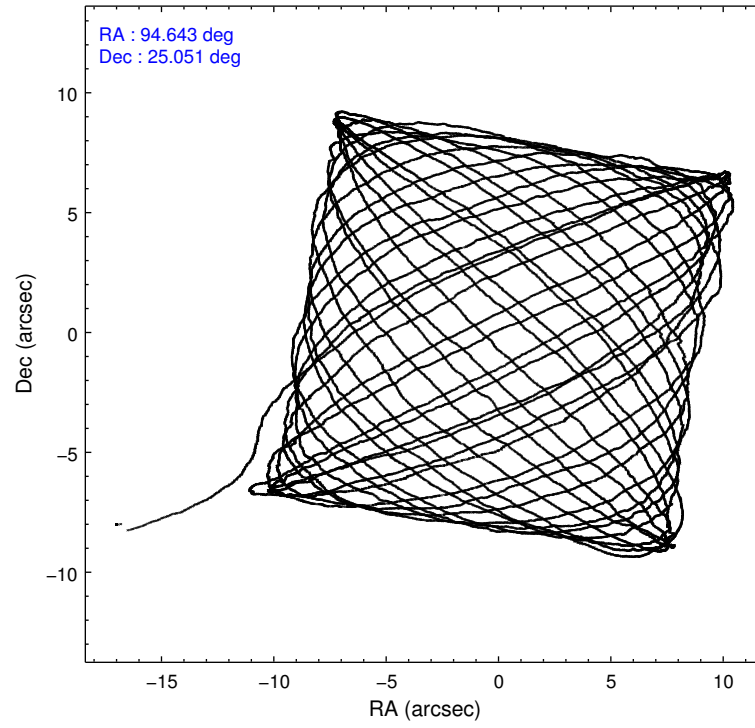
2.1.4 Events

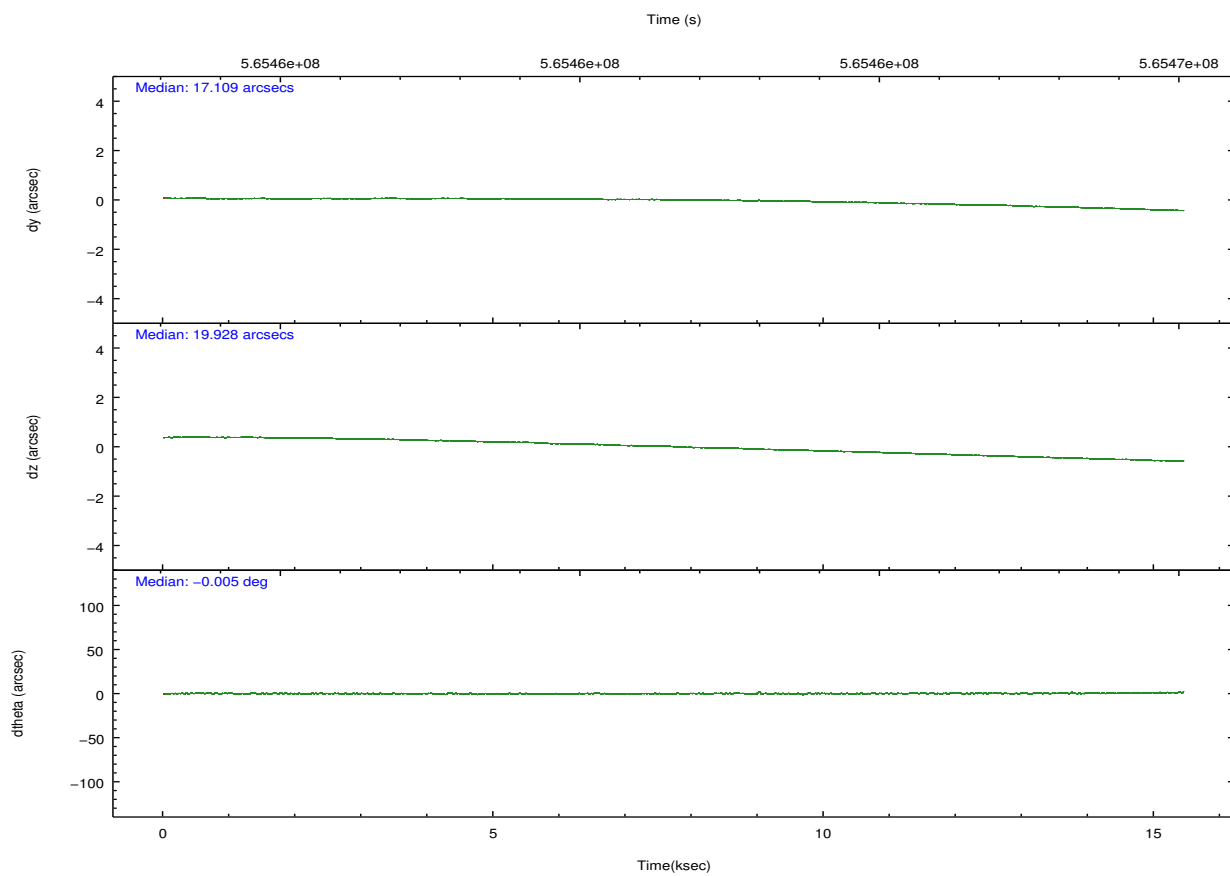
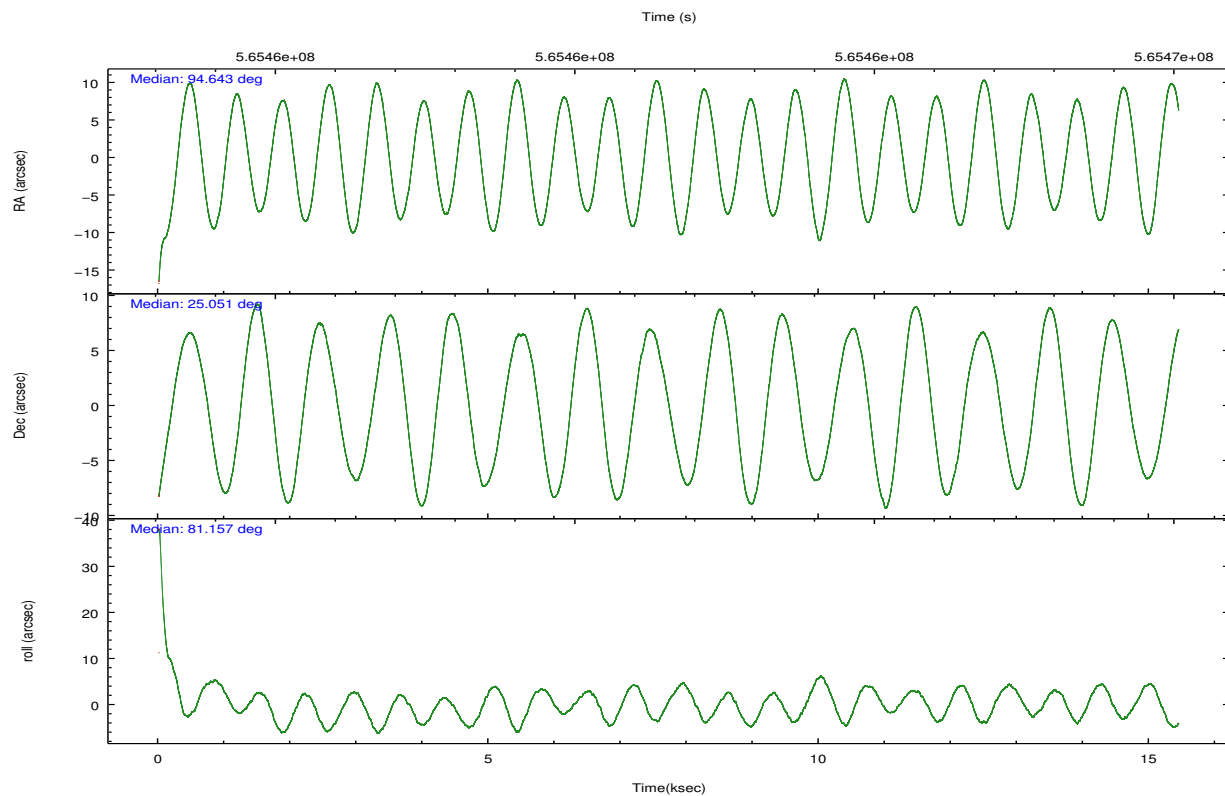
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	86597	79291	88980	83150	89054	116884	grade 0 events	7656	3451	3381	3081	3309	4011
rejected events	72567	68966	79438	74179	78880	67020		8%	4%	3%	3%	3%	3%
rejected %	83%	86%	89%	89%	88%	57%	grade 1 events	76	40	56	46	49	153
								0%	0%	0%	0%	0%	0%
							grade 2 events	2459	2421	2362	2007	2397	10559
								2%	3%	2%	2%	2%	9%
							grade 3 events	997	1027	947	964	1064	3987
								1%	1%	1%	1%	1%	3%
							grade 4 events	926	1011	942	985	999	3911
								1%	1%	1%	1%	1%	3%
							grade 5 events	3985	3974	3377	4226	4352	11459
								4%	5%	3%	5%	4%	9%
							grade 6 events	1997	2419	1911	1938	2408	27420
								2%	3%	2%	2%	2%	23%
							grade 7 events	68501	64948	76004	69903	74476	55384
								79%	81%	85%	84%	83%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	O1	Y
Observation mode	POINTING	POINTING	CCD I1 on	O2	Y
[deg] Pointing RA	94.654545	94.64321842323956	CCD I2 on	O3	Y
[deg] Pointing Dec	25.025117	25.05057952944718	CCD I3 on	O4	Y
[deg] Pointing Roll	80.996318	81.15775588240862	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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)	565454012.184000	565452650.02077	CCD S5 on	N	N
Observation start date	2015-12-02T14:32:24	2015-12-02T14:10:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	565469283.184000	565469509.73423	On-chip summing requested	N	N
Observation end date	2015-12-02T18:46:55	2015-12-02T18:51:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



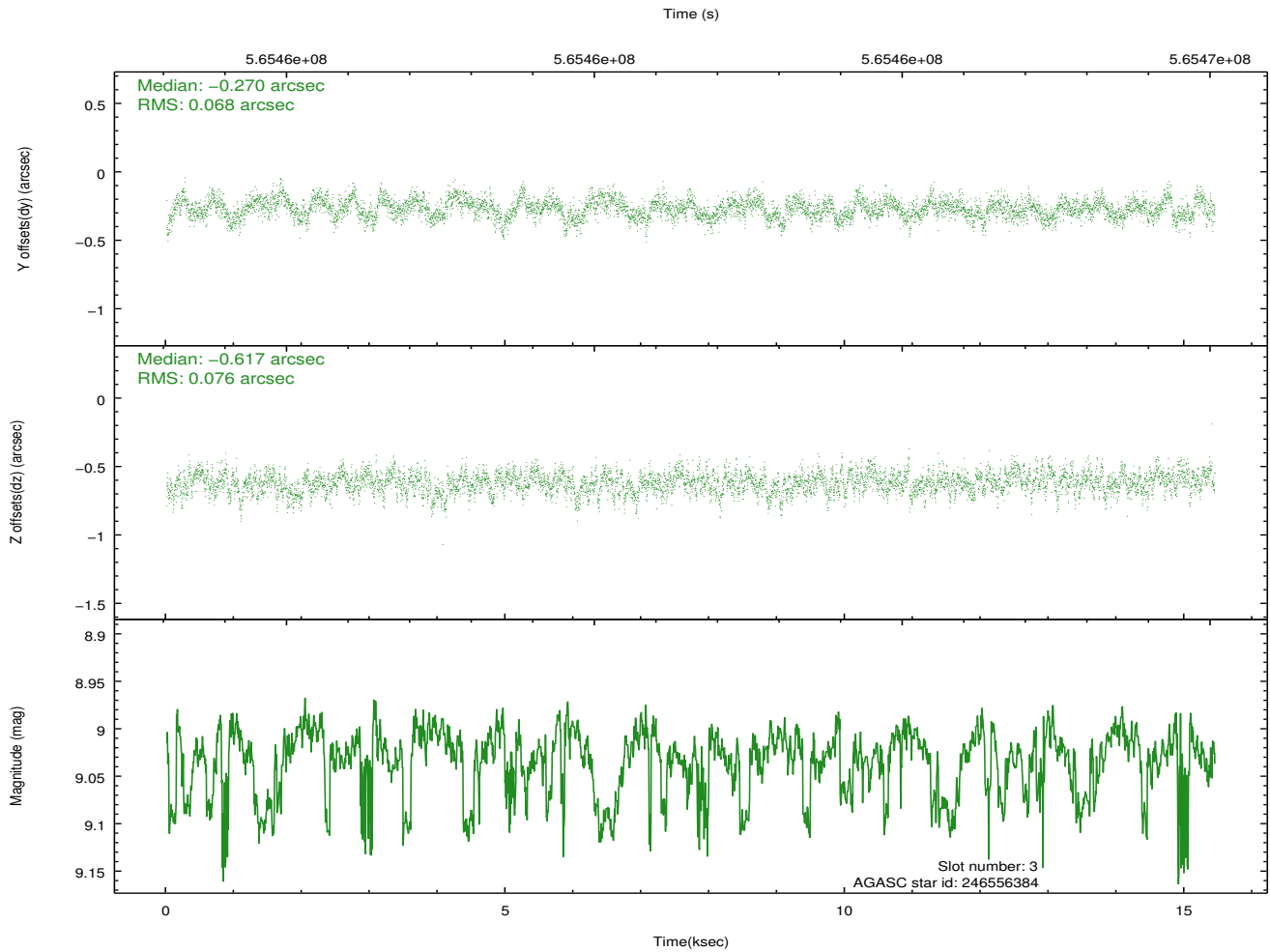
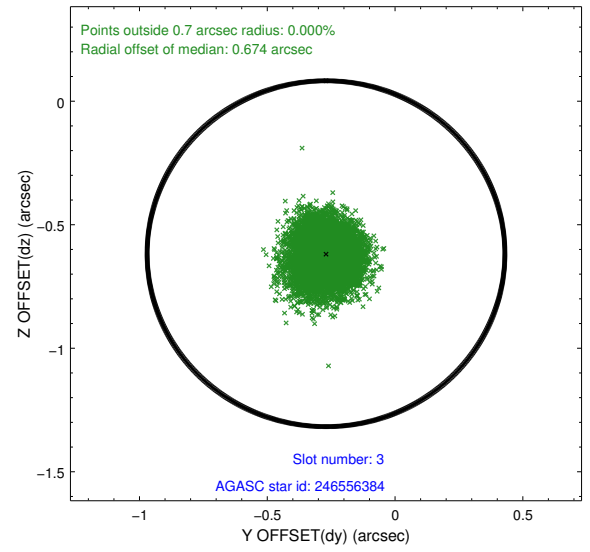
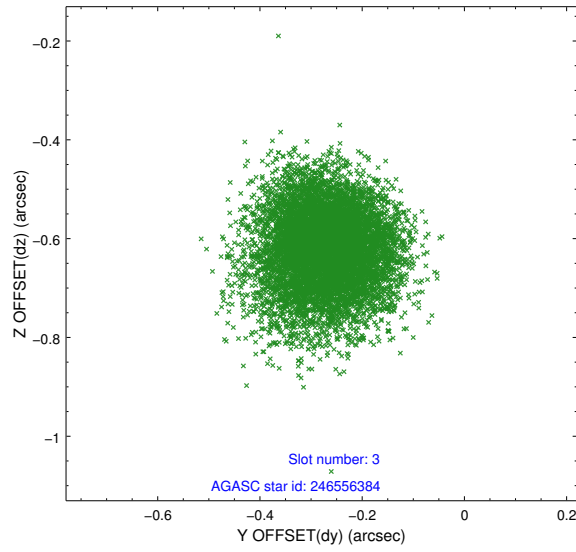


Slot Statistics

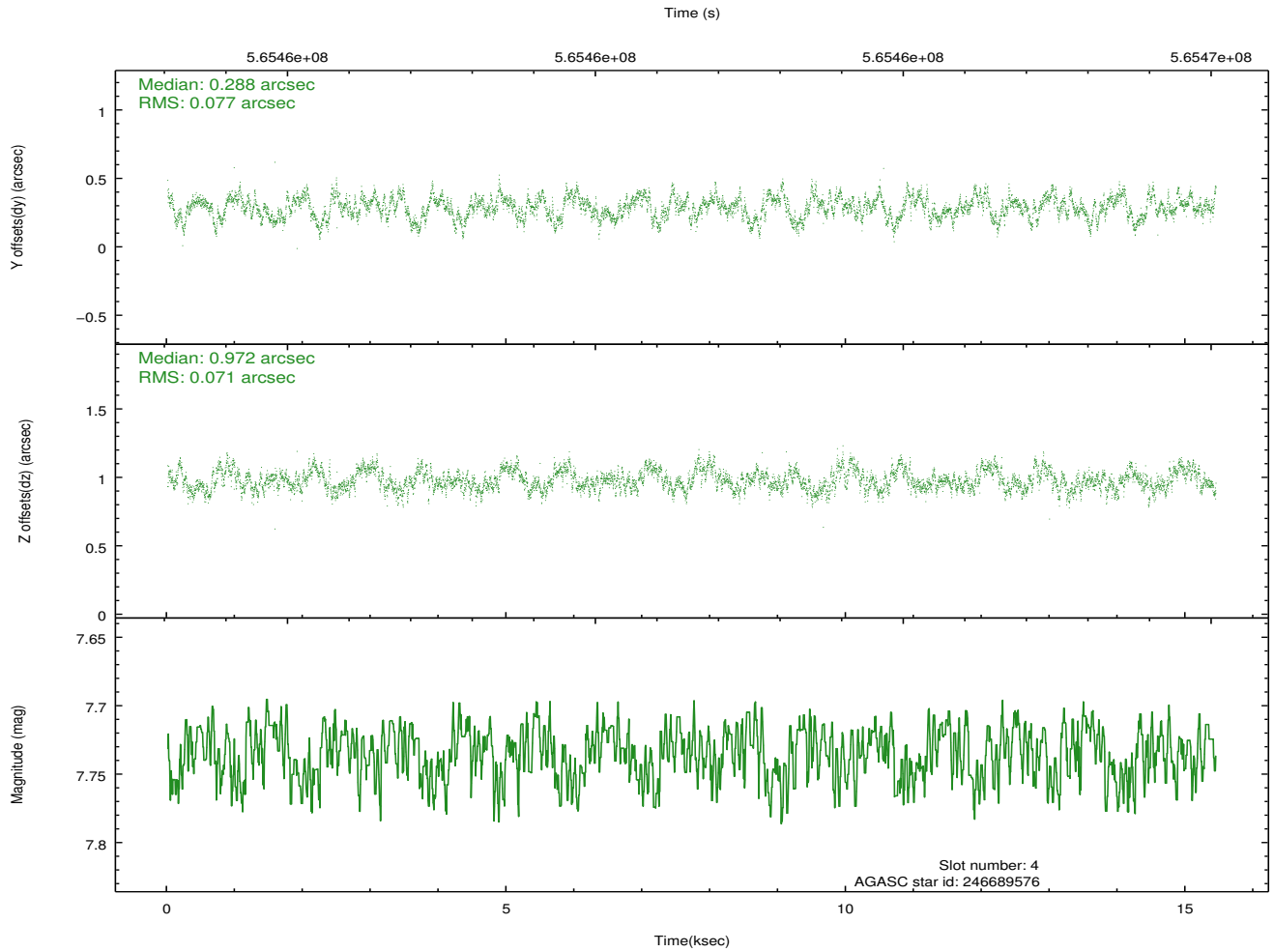
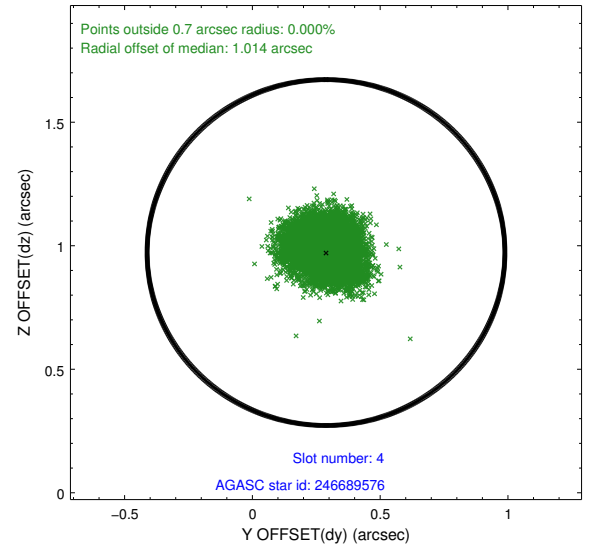
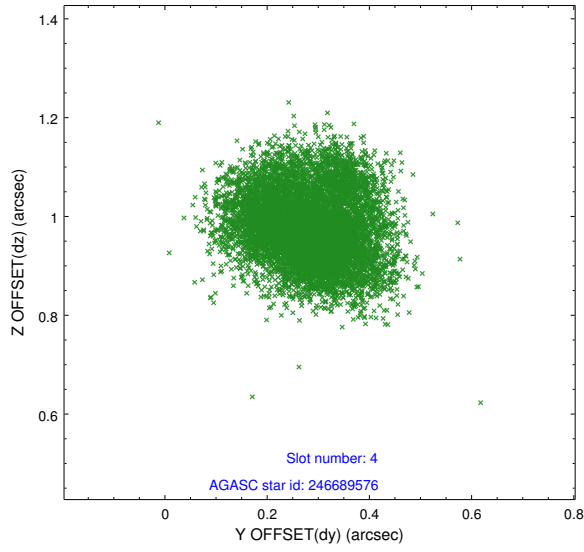
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	3766	-0.177	-0.100	0.008	0.012	0.000000	0.000000	-770.22	-1741.47
1	FID		ACIS-S-4	7.22	3765	0.415	0.112	0.006	0.010	0.000000	0.000000	2143.49	166.96
2	FID		ACIS-S-5	7.24	3766	-0.270	-0.003	0.007	0.012	0.000000	0.000000	-1822.81	160.79
3	GUIDE	used	246556384	9.03	7522	-0.270	-0.617	0.108	0.176	94.164976	25.206060	390.19	1675.13
4	GUIDE	used	246689576	7.74	7531	0.288	0.972	0.115	0.175	95.020911	24.566751	-1439.83	-1441.36
5	GUIDE	used	246679024	8.55	7528	-0.380	-0.452	0.095	0.152	94.229881	25.495611	1459.23	1628.20
6	GUIDE	used	246684448	7.16	7530	0.049	0.135	0.068	0.116	95.147217	25.608140	2326.10	-1250.64
7	GUIDE	used	246684344	7.51	7531	0.318	-0.041	0.091	0.148	95.151485	25.189013	839.91	-1506.02

2.4 Star Slots

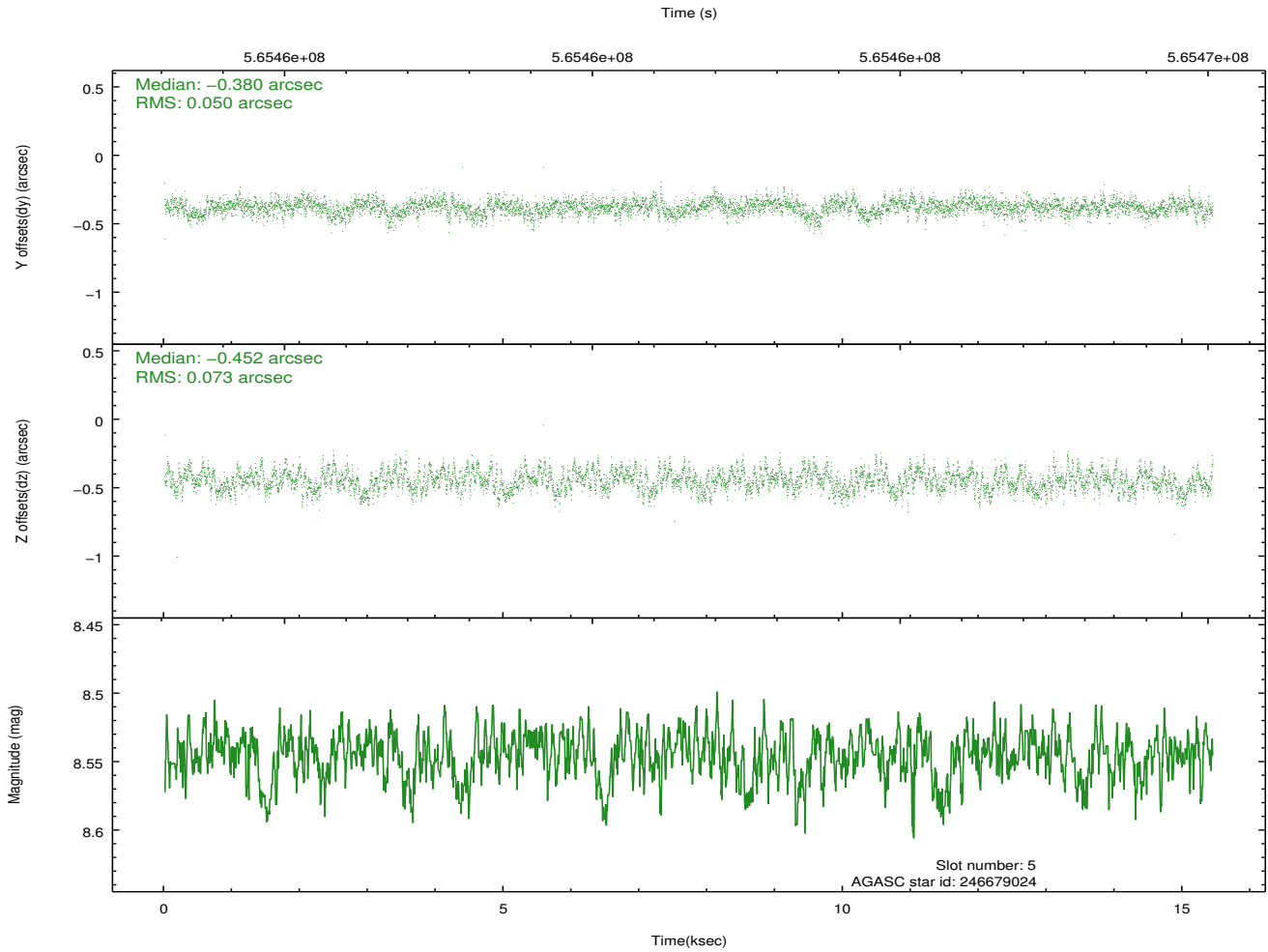
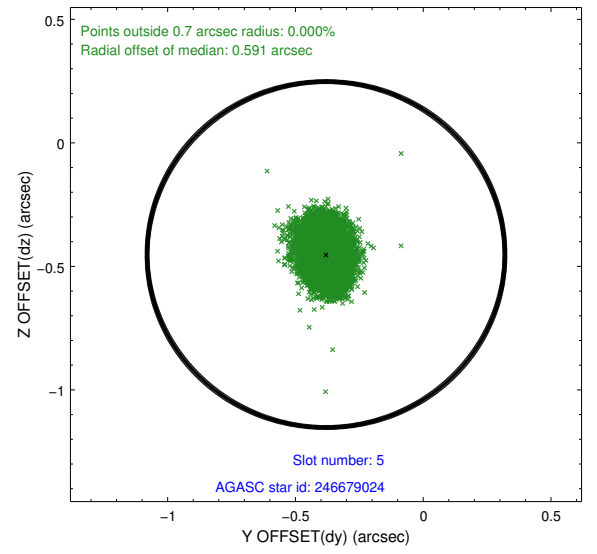
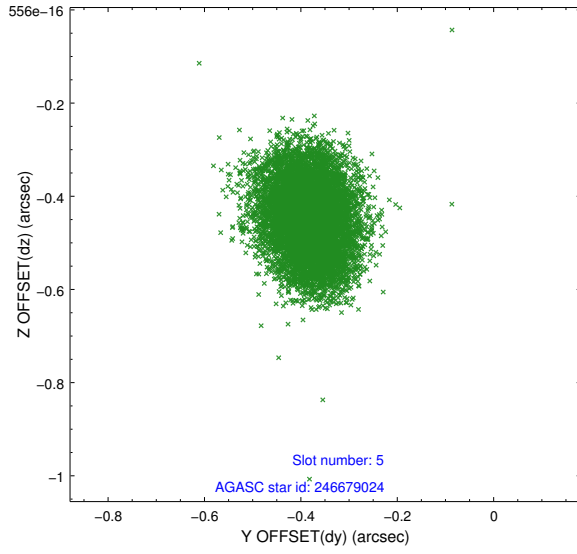
2.4.1 Slot 3



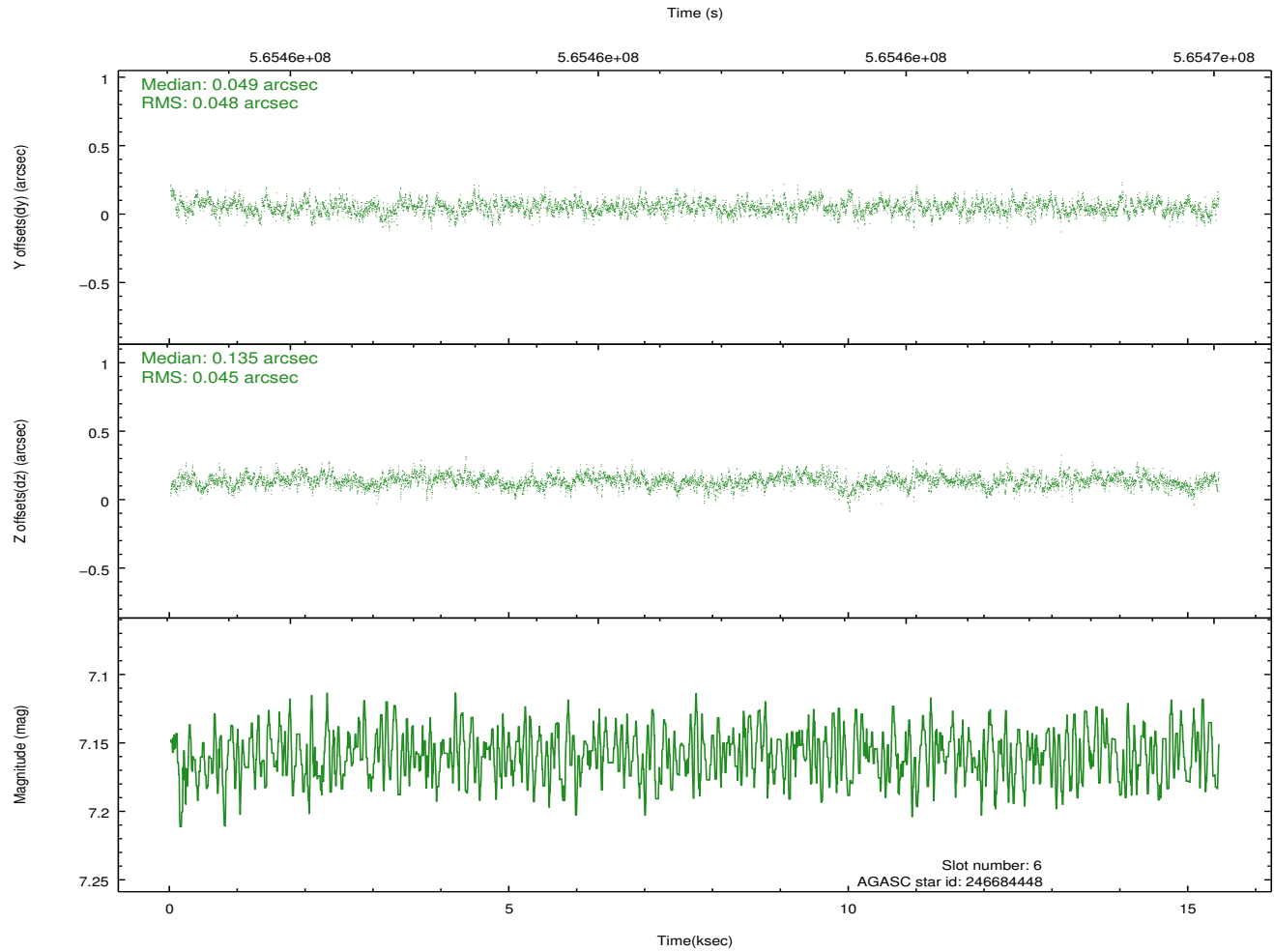
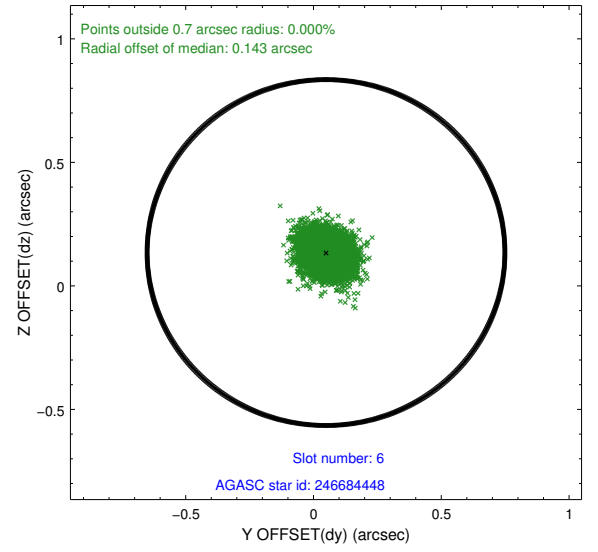
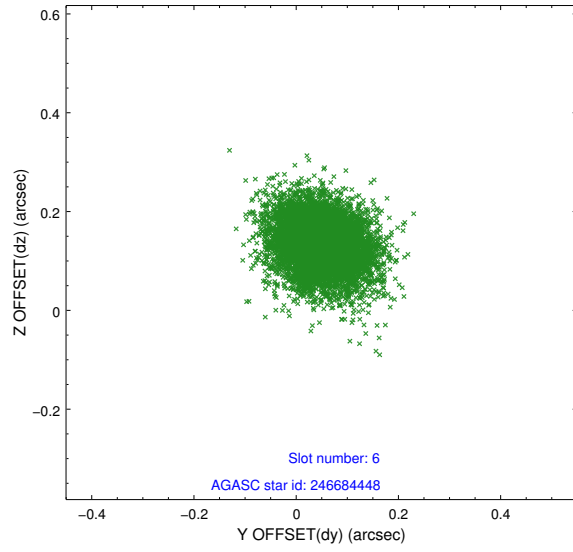
2.4.2 Slot 4



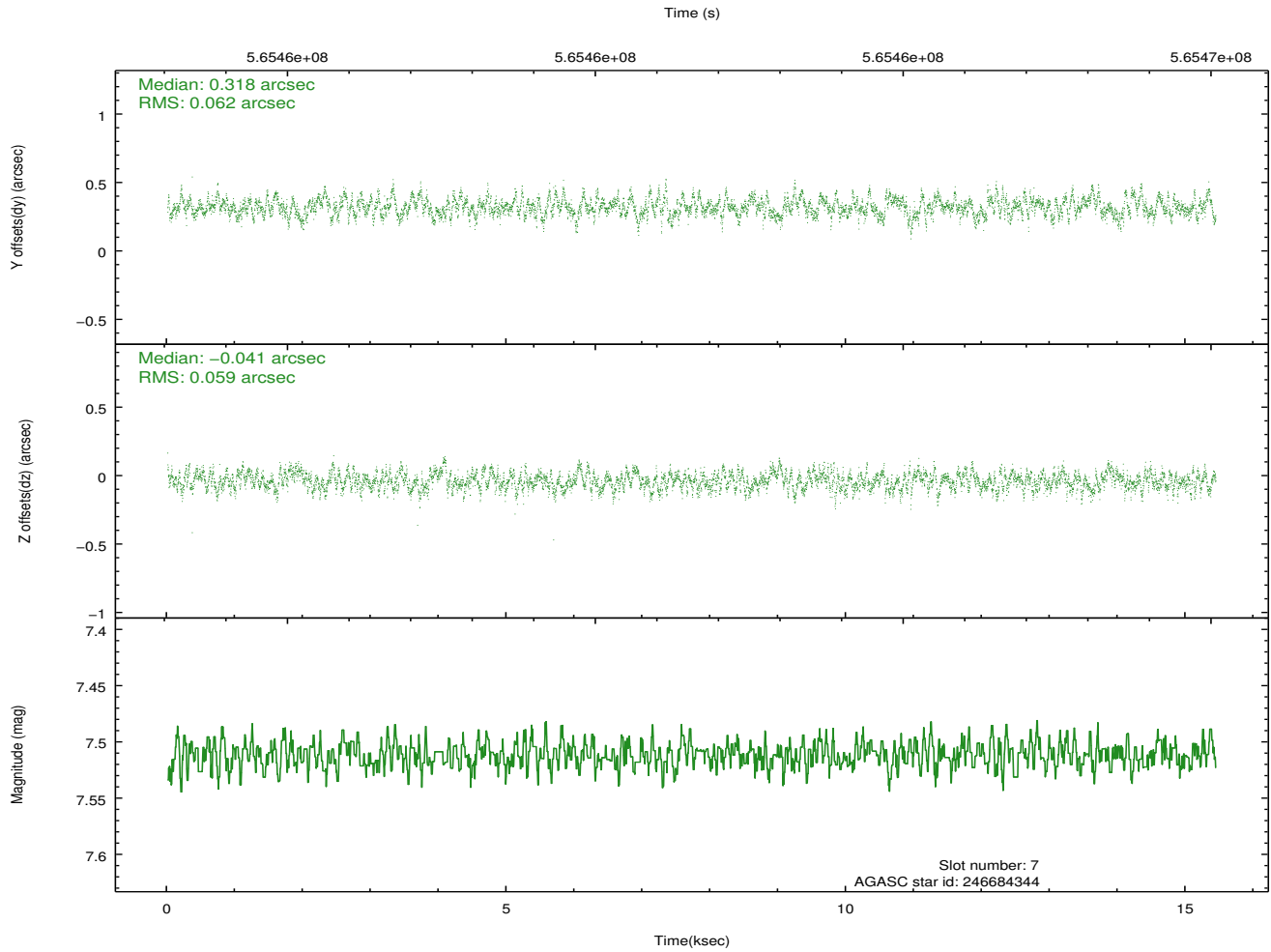
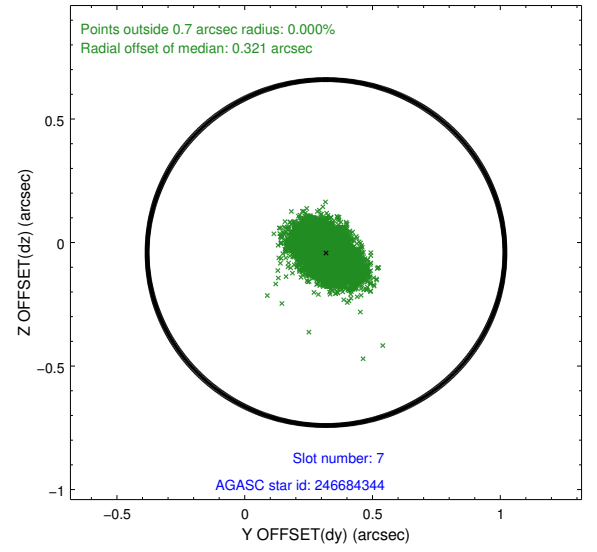
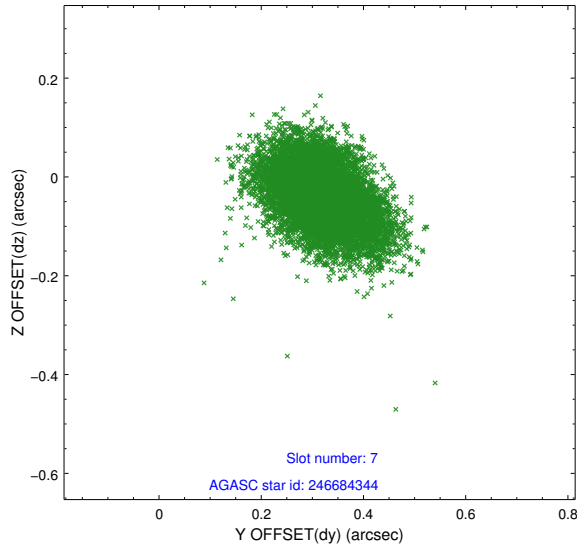
2.4.3 Slot 5



2.4.4 Slot 6

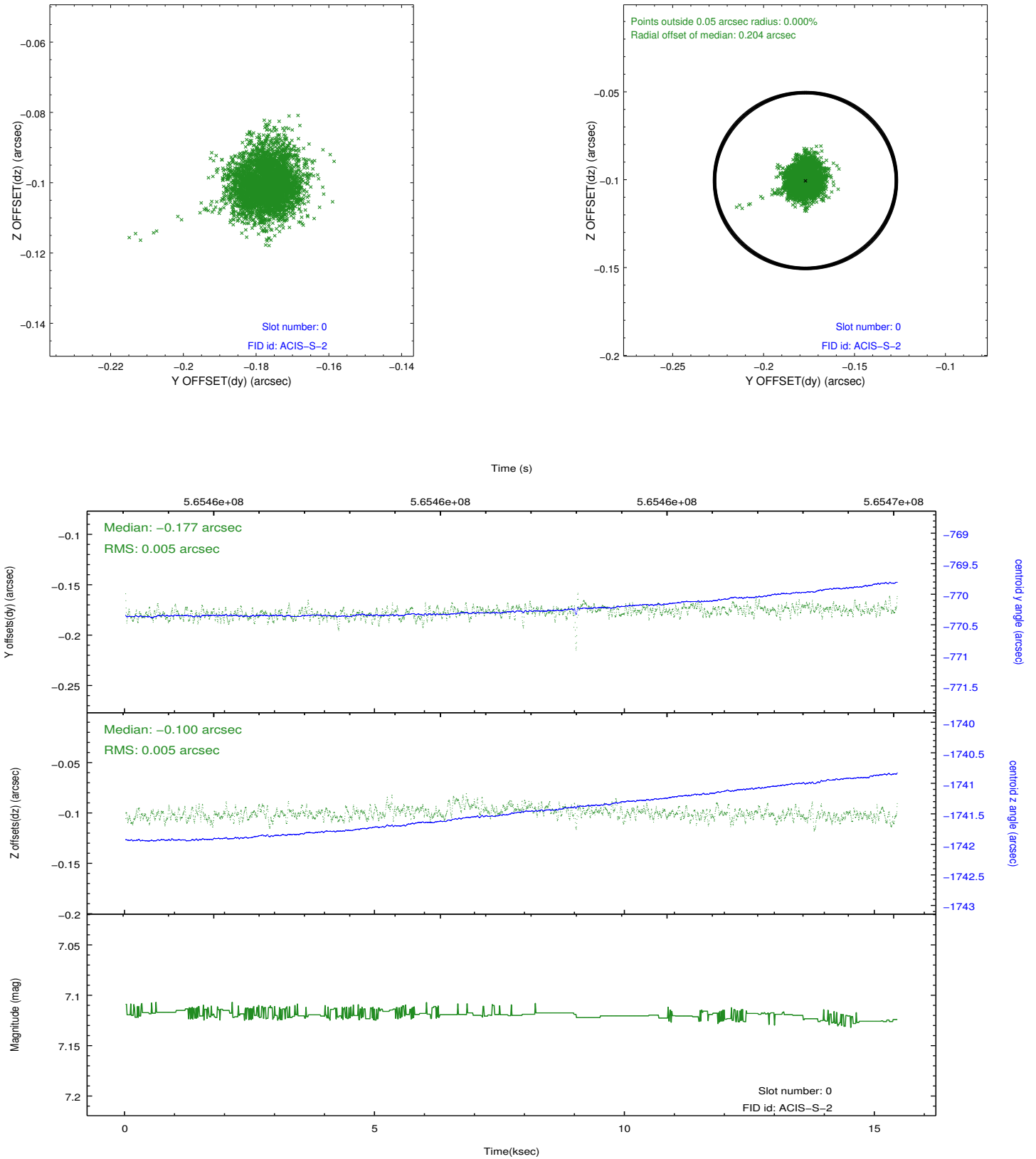


2.4.5 Slot 7

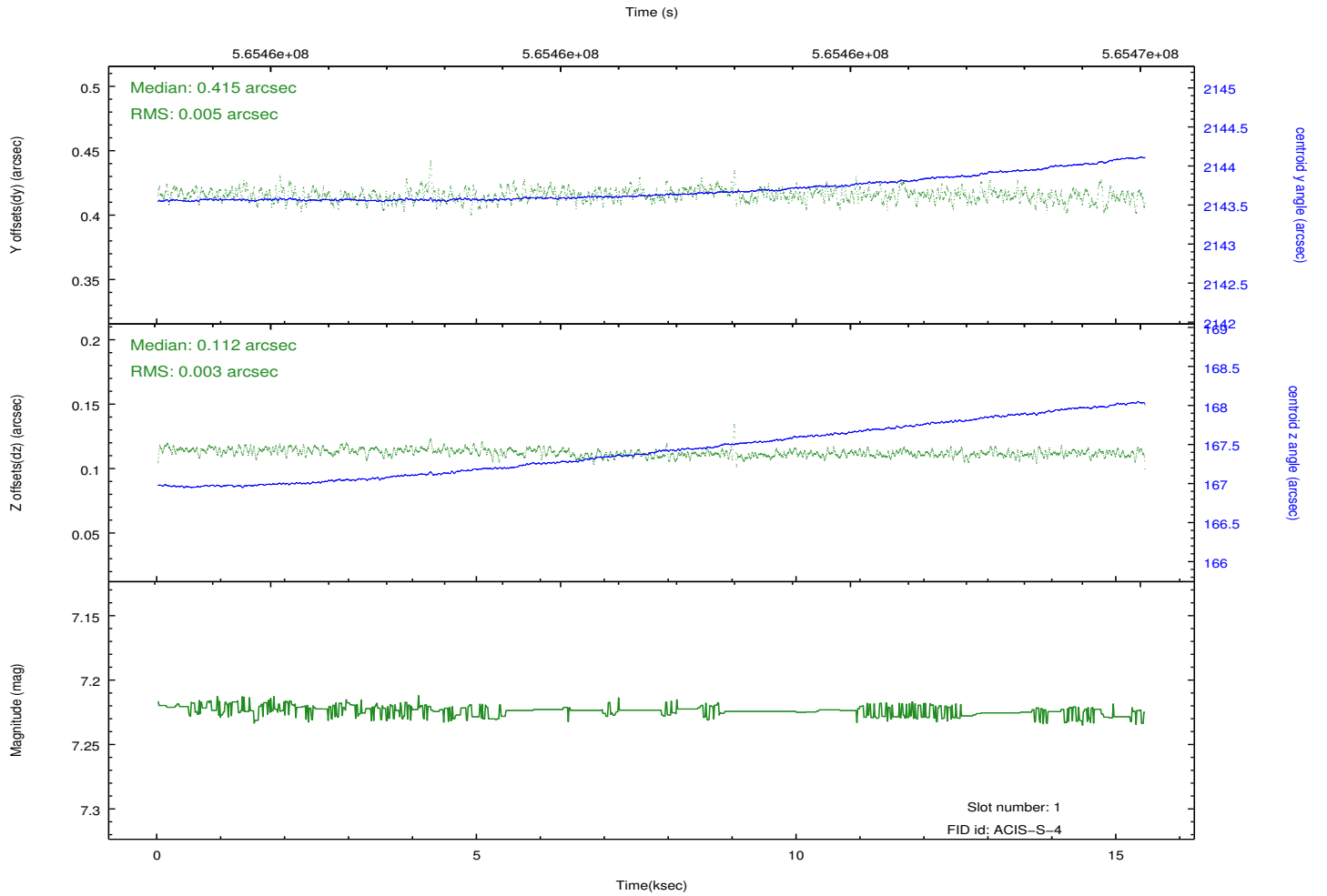
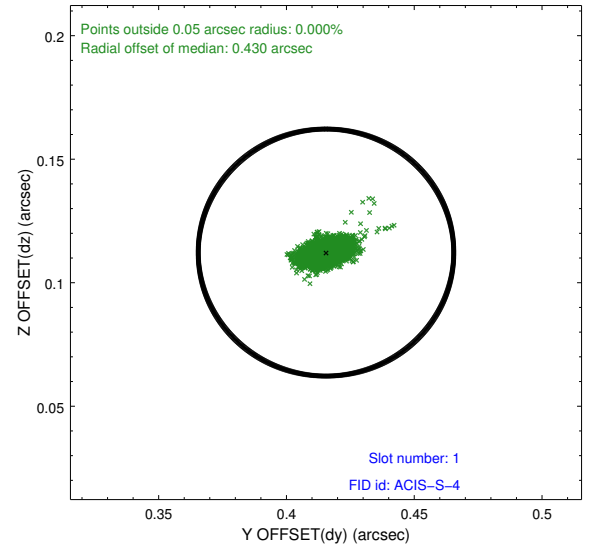
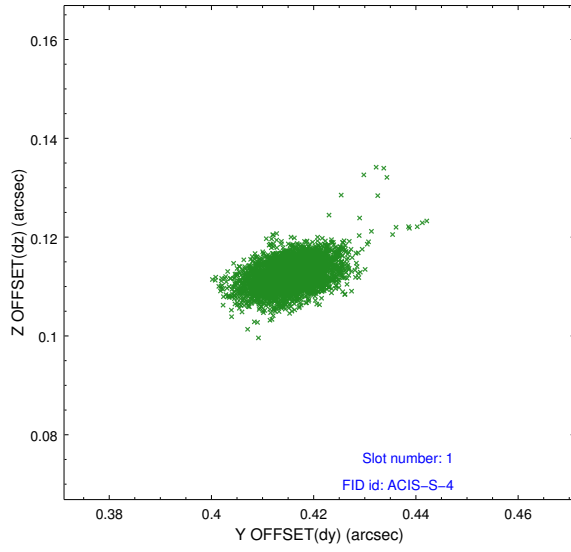


2.5 FID Slots

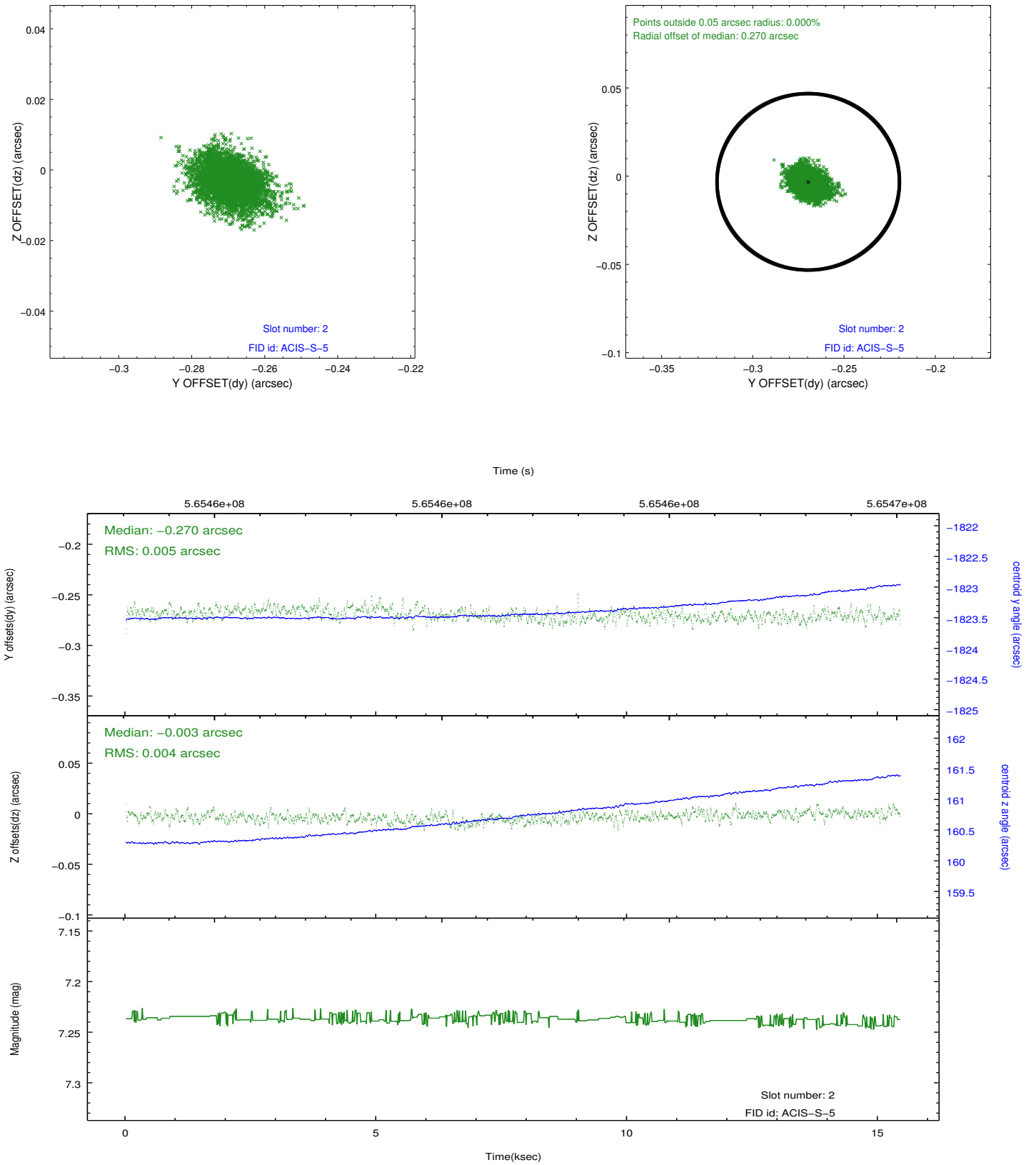
2.5.1 Slot 0



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)	2015.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.233809045434

A.2 Comments