

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9887 - L2 Version 2
Chandra X-Ray Center

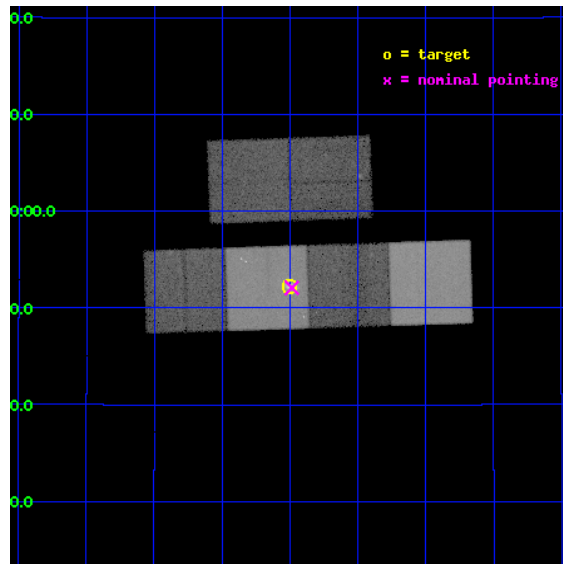
L2 Processing Date : May 18 2012

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1 Front

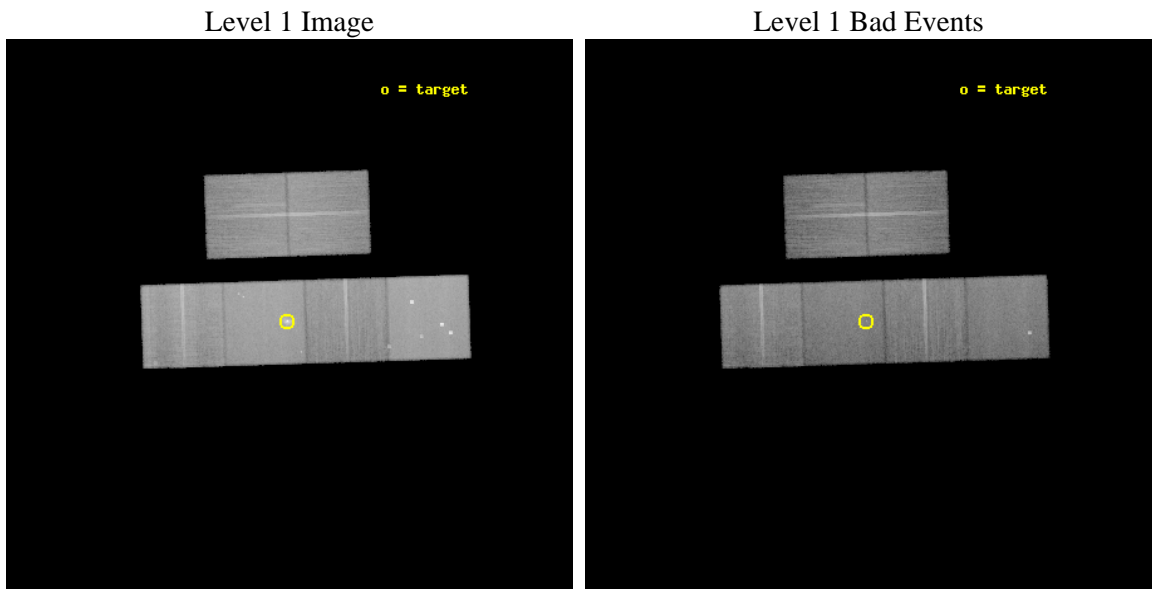
seq_num	500971	Sequence number
obs_id	9887	Observation id
title	A Deep Chandra Observation of G54.1+0.3	Proposal title
observer	Dr. Patrick Slane	Principal investigator
object	G54.1+0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	292.625833	Observer's specified target RA [deg]
dec_targ	18.870611	Observer's specified target Dec [deg]
ra_nom	292.62137754215	Nominal RA [deg]
dec_nom	18.868176141072	Nominal Dec [deg]
roll_nom	178.15806288046	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25158.399906337	Sum of GTIs [s]
livetime	24839.829098153	Livetime [s]
ontime2	25158.399906337	Sum of GTIs [s]
ontime3	25158.399906337	Sum of GTIs [s]
ontime5	25158.399906337	Sum of GTIs [s]
ontime6	25158.399906337	Sum of GTIs [s]
ontime7	25158.399906337	Sum of GTIs [s]
ontime8	25158.399906337	Sum of GTIs [s]
l2events	411674	Number of level 2 events



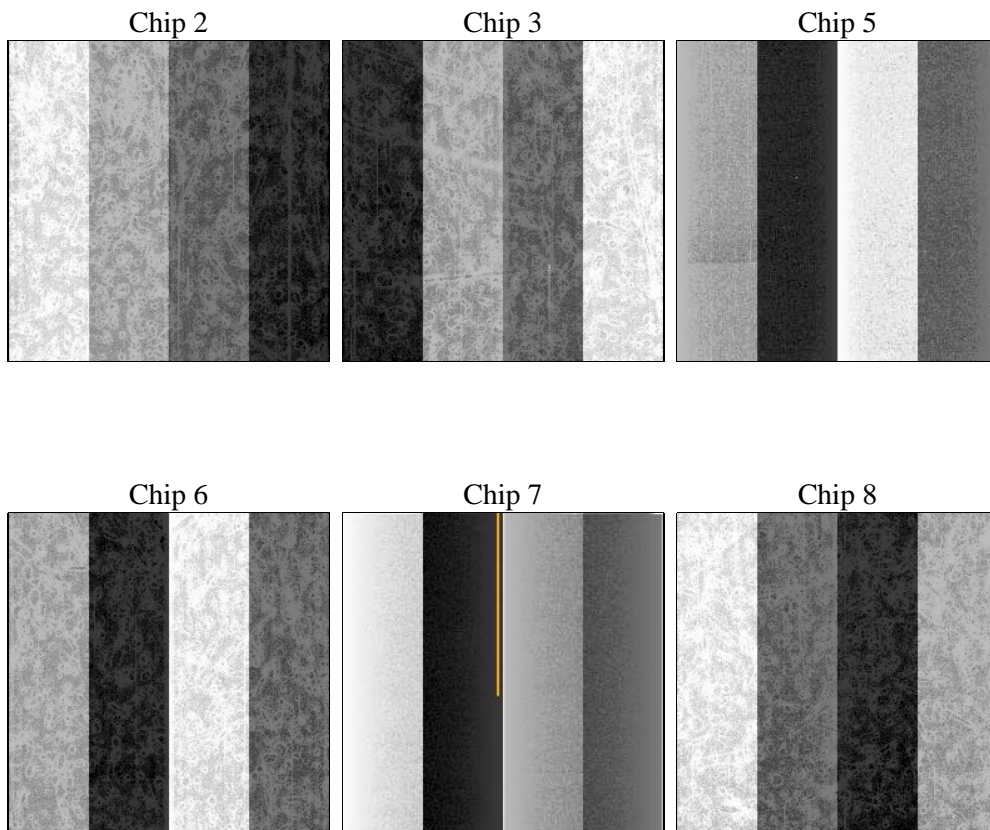
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	25158.399906337	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	25158.399906337	Sum of GTIs [s]
date	2012-05-18T03:55:25	Date and time of file creation	ontime3	25158.399906337	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	25158.399906337	Sum of GTIs [s]
			ontime6	25158.399906337	Sum of GTIs [s]
			ontime7	25158.399906337	Sum of GTIs [s]
			ontime8	25158.399906337	Sum of GTIs [s]
			l1events	1775992	Number of level 1 events

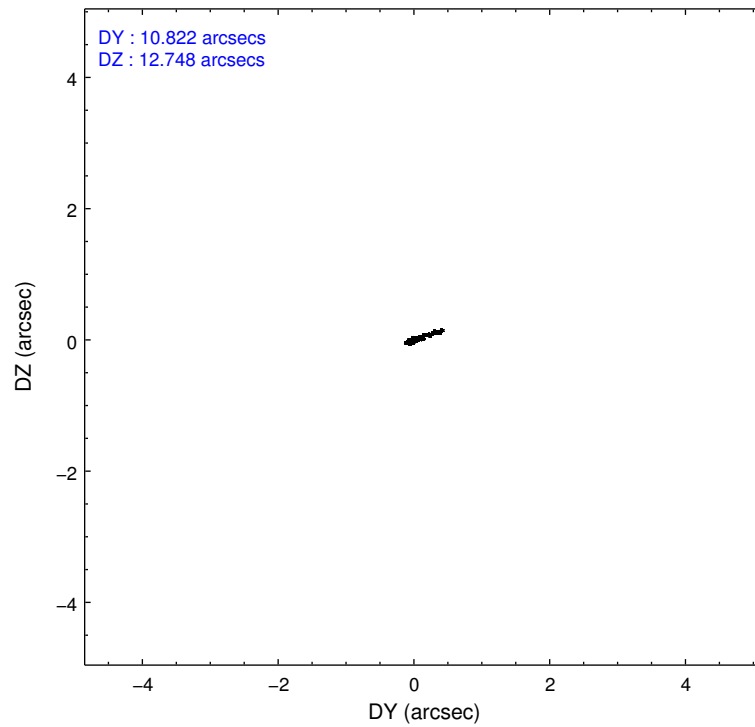
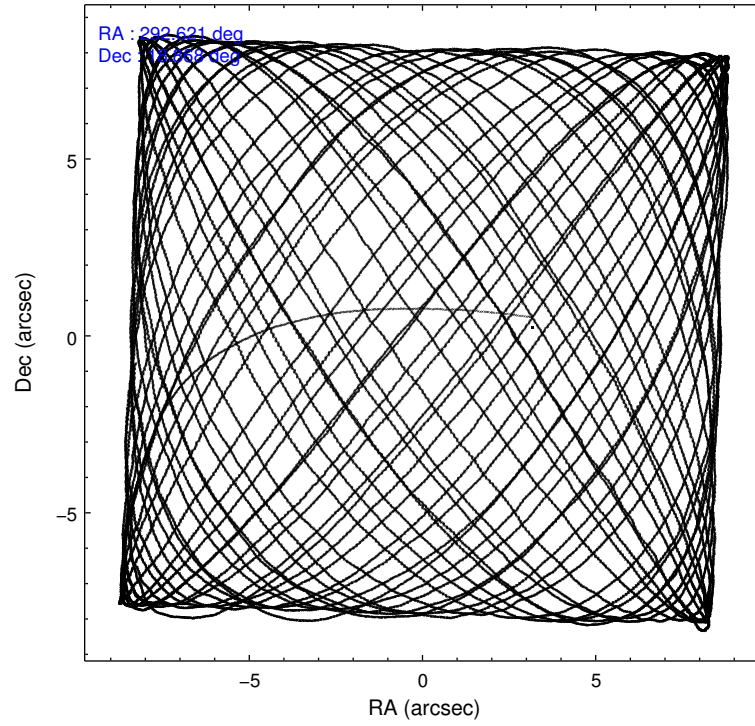
2.1.4 Events

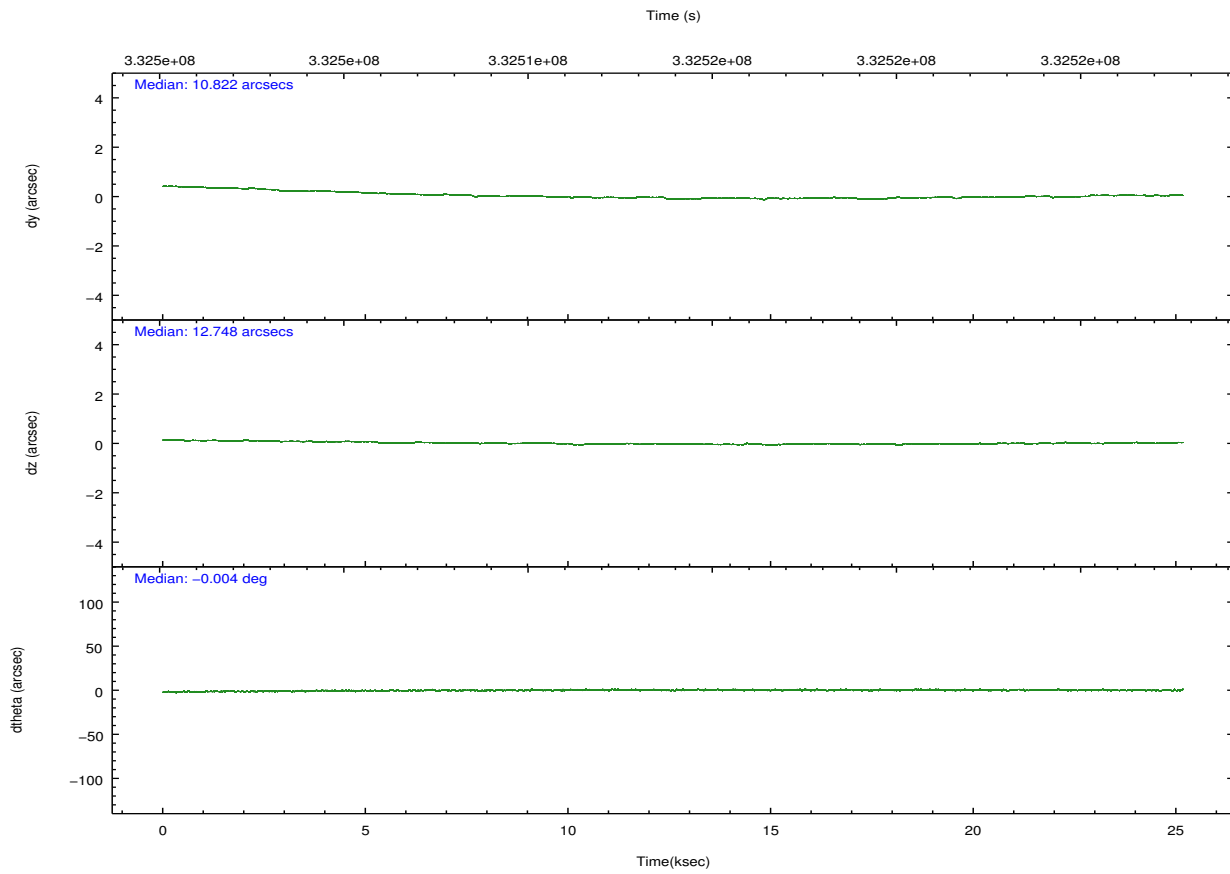
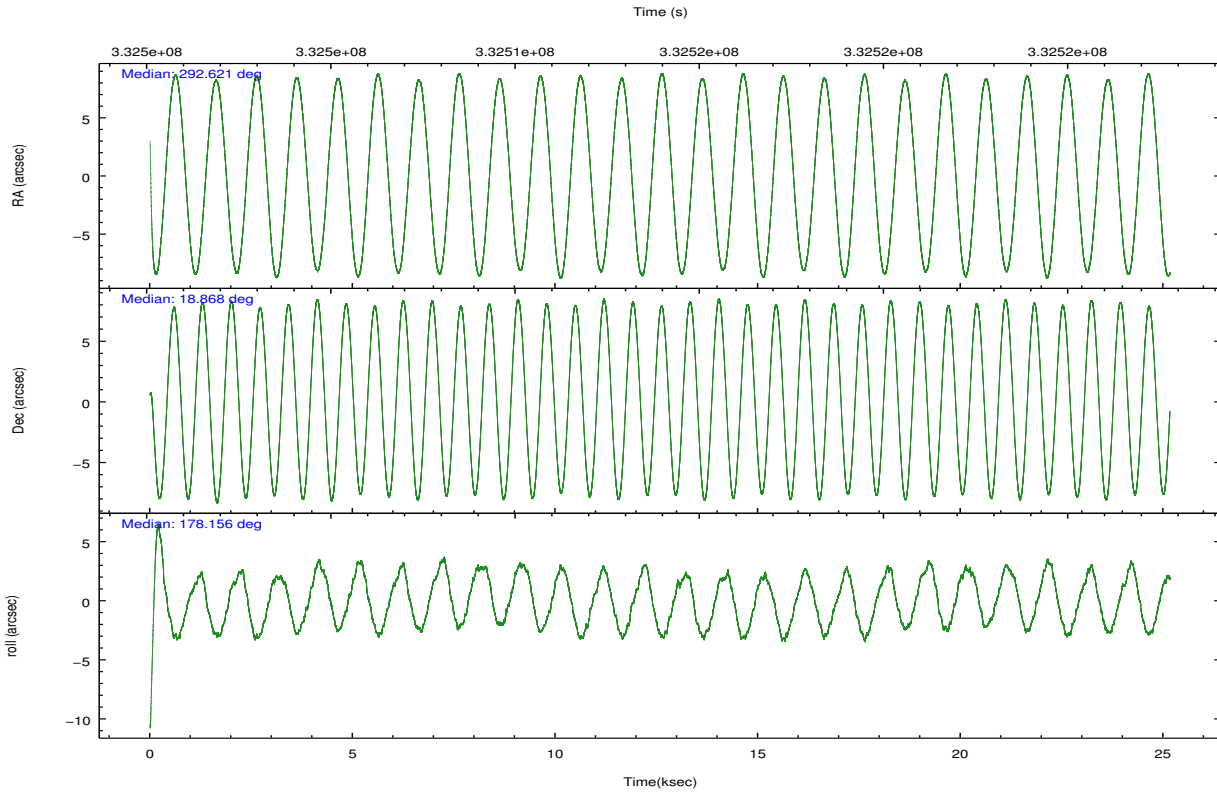
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	246029	232793	390597	243806	351941	310826	grade 0 events	12388	12897	25603	12385	15112	22125
rejected events	217700	204200	210068	213852	201106	241872		5%	5%	6%	5%	4%	7%
rejected %	88%	87%	53%	87%	57%	77%	grade 1 events	155	166	583	116	379	259
								0%	0%	0%	0%	0%	0%
							grade 2 events	6310	5682	54135	6643	32391	15887
								2%	2%	13%	2%	9%	5%
							grade 3 events	2607	2726	6073	2838	13196	7265
								1%	1%	1%	1%	3%	2%
							grade 4 events	2688	2664	5748	2674	13214	6681
								1%	1%	1%	1%	3%	2%
							grade 5 events	10056	11135	26628	11492	31966	15545
								4%	4%	6%	4%	9%	5%
							grade 6 events	4960	5234	92838	6053	80055	18623
								2%	2%	23%	2%	22%	5%
							grade 7 events	206865	192289	178989	201605	165628	224441
								84%	82%	45%	82%	47%	72%

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	292.646678	292.6213775421533	CCD I2 on	O2	Y
[deg] Pointing Dec	18.881433	18.86817614107176	CCD I3 on	O3	Y
[deg] Pointing Roll	177.993253	178.1580628804554	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)	332501518.184000	332500183.02893	CCD S5 on	N	N
Observation start date	2008-07-15T09:30:53	2008-07-15T09:09:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	332526518.184000	332527334.76776	On-chip summing requested	N	N
Observation end date	2008-07-15T16:27:33	2008-07-15T16:42:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





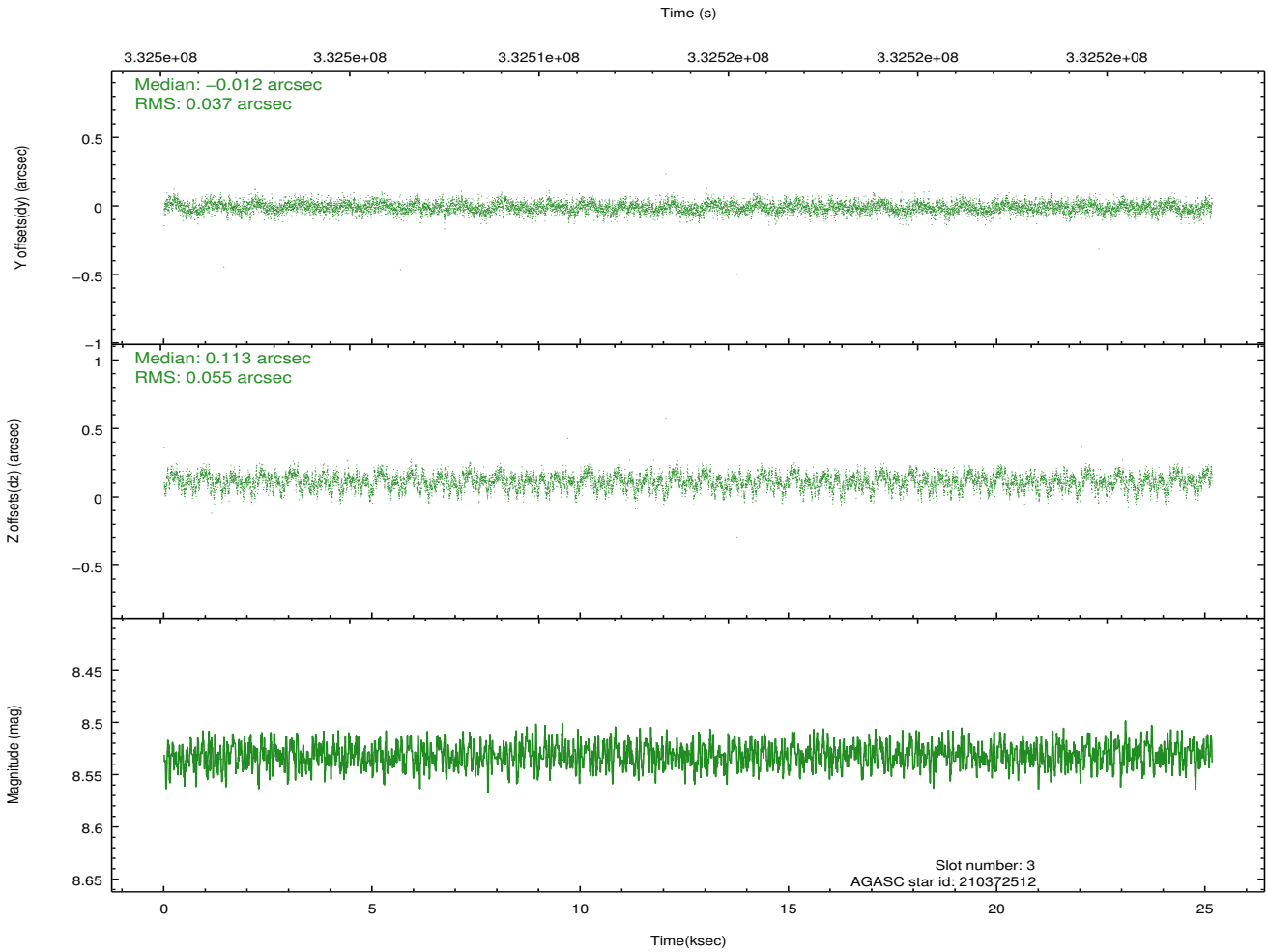
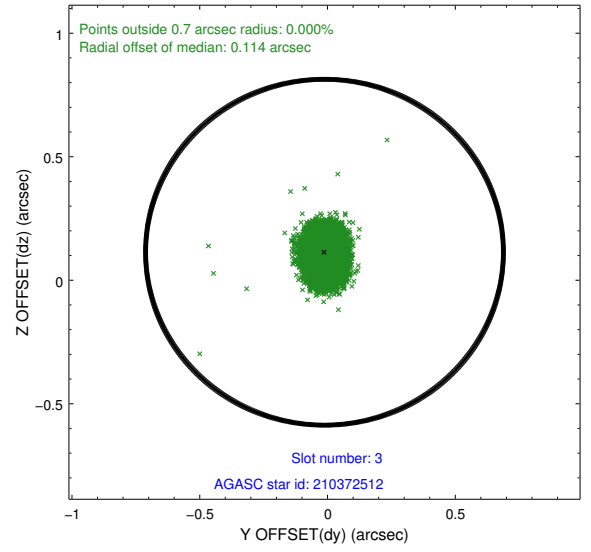
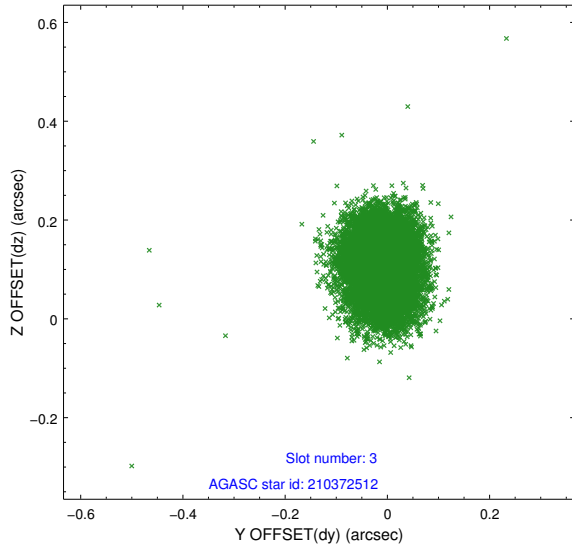
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	6138	0.080	-0.055	0.007	0.012	0.000000	0.000000	932.34	-1729.79
1	FID	ACIS-S-5	7.02	6136	-0.115	0.058	0.007	0.013	0.000000	0.000000	-1816.73	167.83
2	FID	ACIS-S-6	7.13	6138	0.014	0.009	0.008	0.014	0.000000	0.000000	397.77	811.82
3	GUIDE	210372512	8.53	12273	-0.012	0.113	0.070	0.115	292.201979	18.486300	1467.64	1473.09
4	GUIDE	210372592	9.19	12264	0.159	-0.037	0.084	0.137	292.900736	18.702395	-888.04	613.27
5	GUIDE	210375784	7.15	12276	-0.102	-0.256	0.058	0.092	292.707024	18.250669	-285.94	2261.91
6	GUIDE	210370904	7.78	12273	-0.147	-0.056	0.059	0.094	292.563039	18.704932	262.85	645.31
7	GUIDE	210910720	8.97	12265	0.102	0.232	0.069	0.111	293.320637	18.950574	-2284.31	-333.26

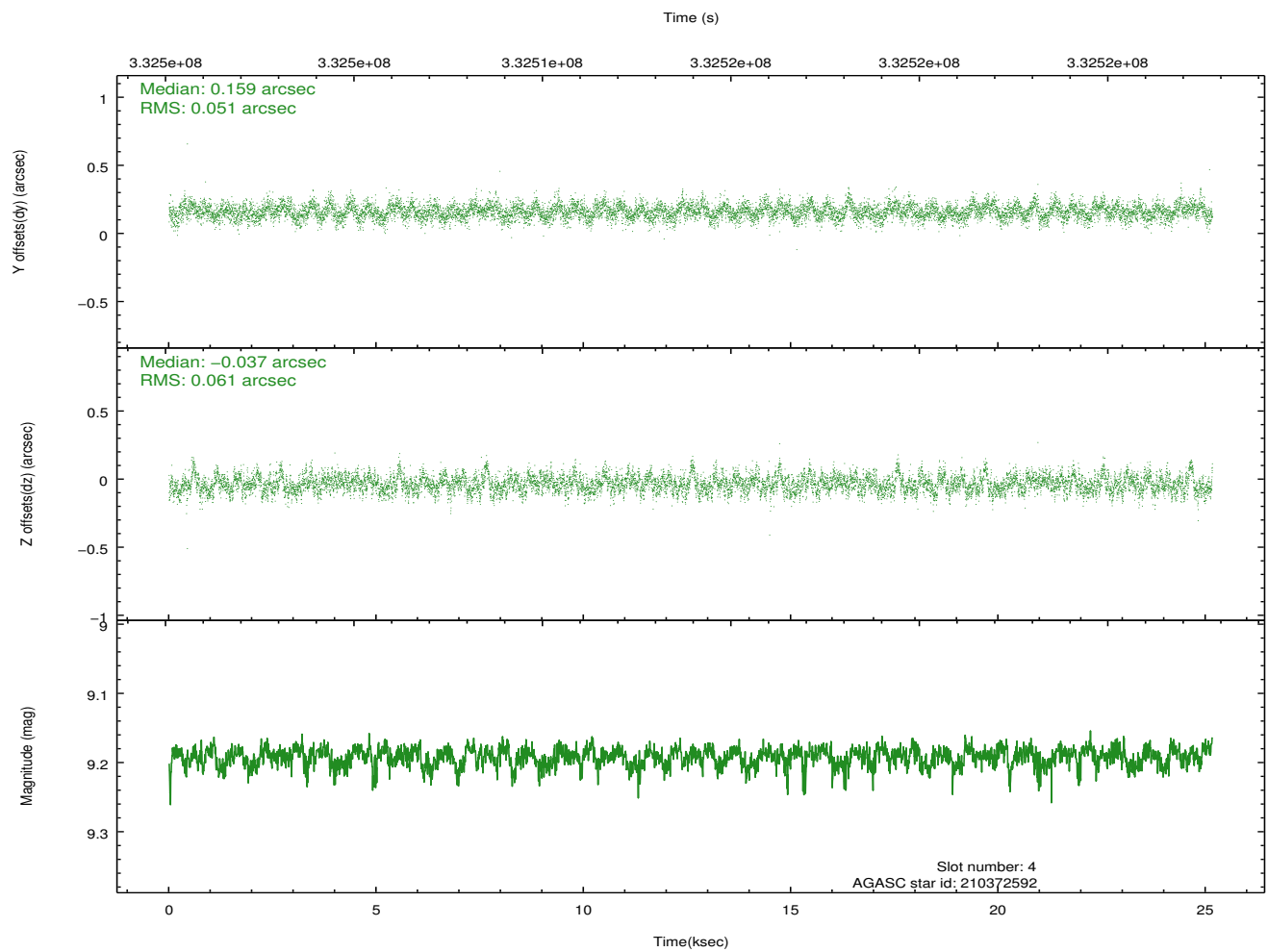
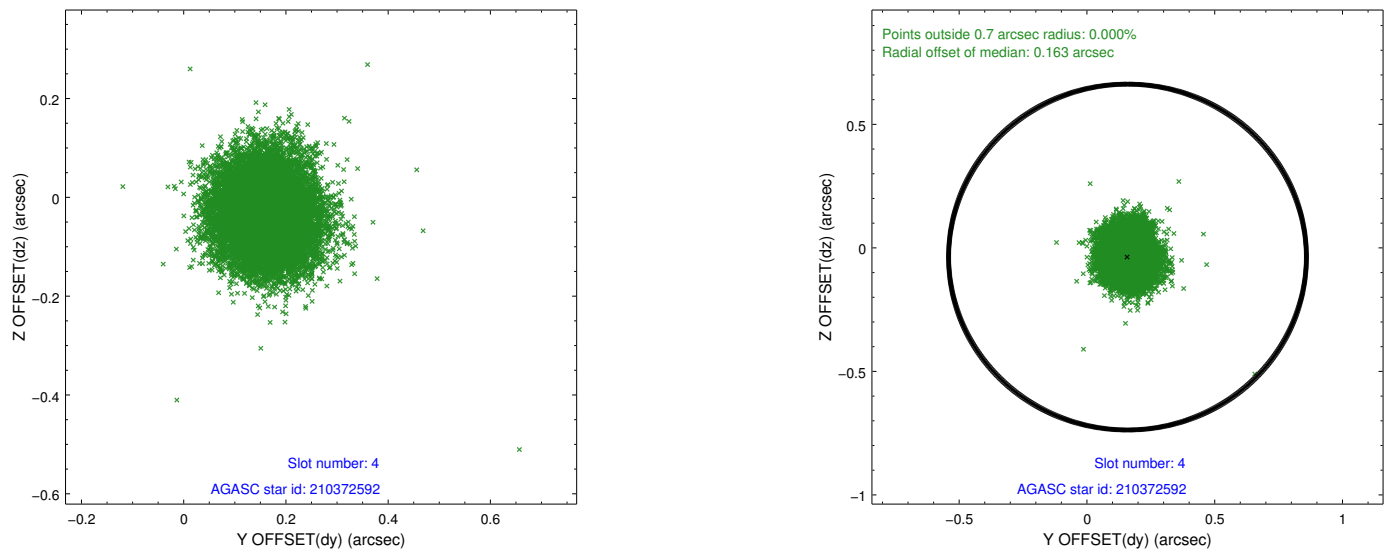
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2.4 Star Slots

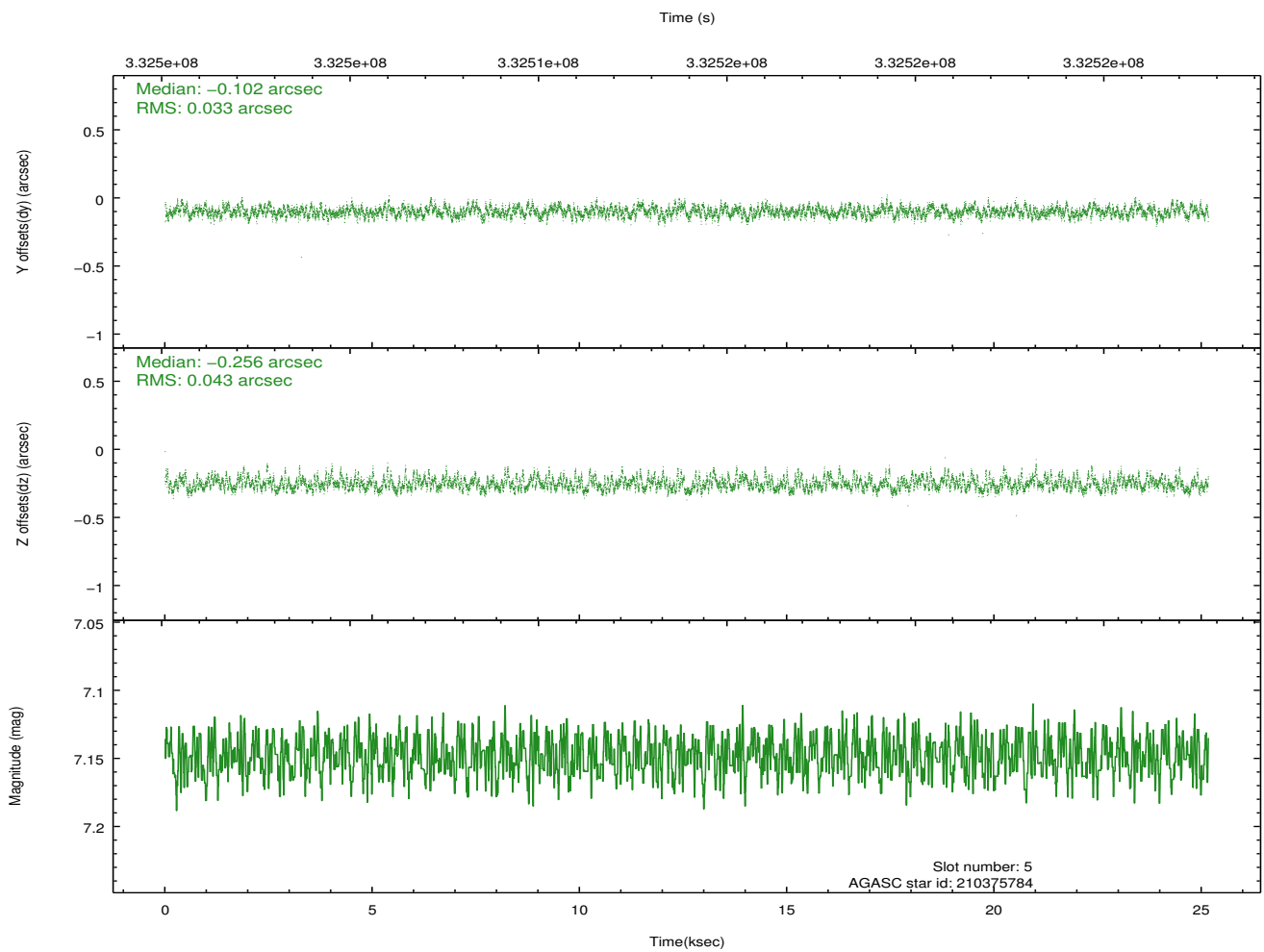
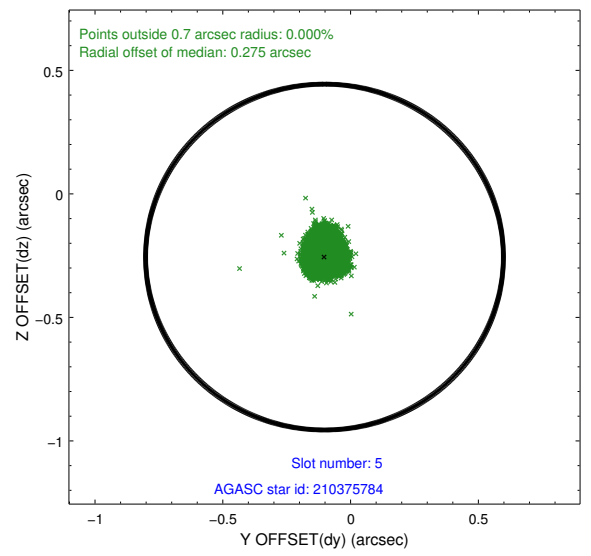
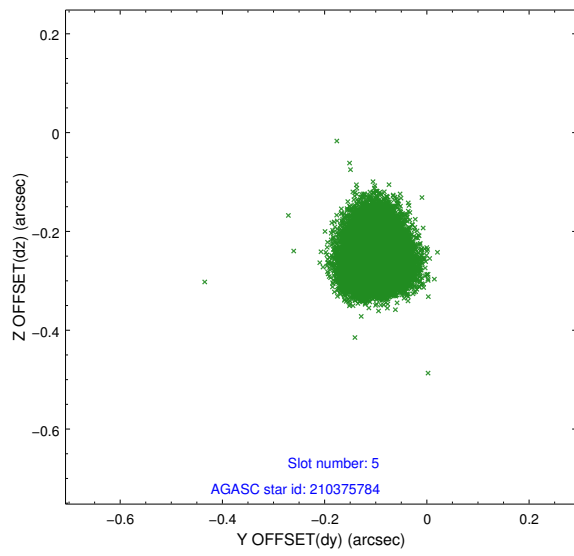
2.4.1 Slot 3



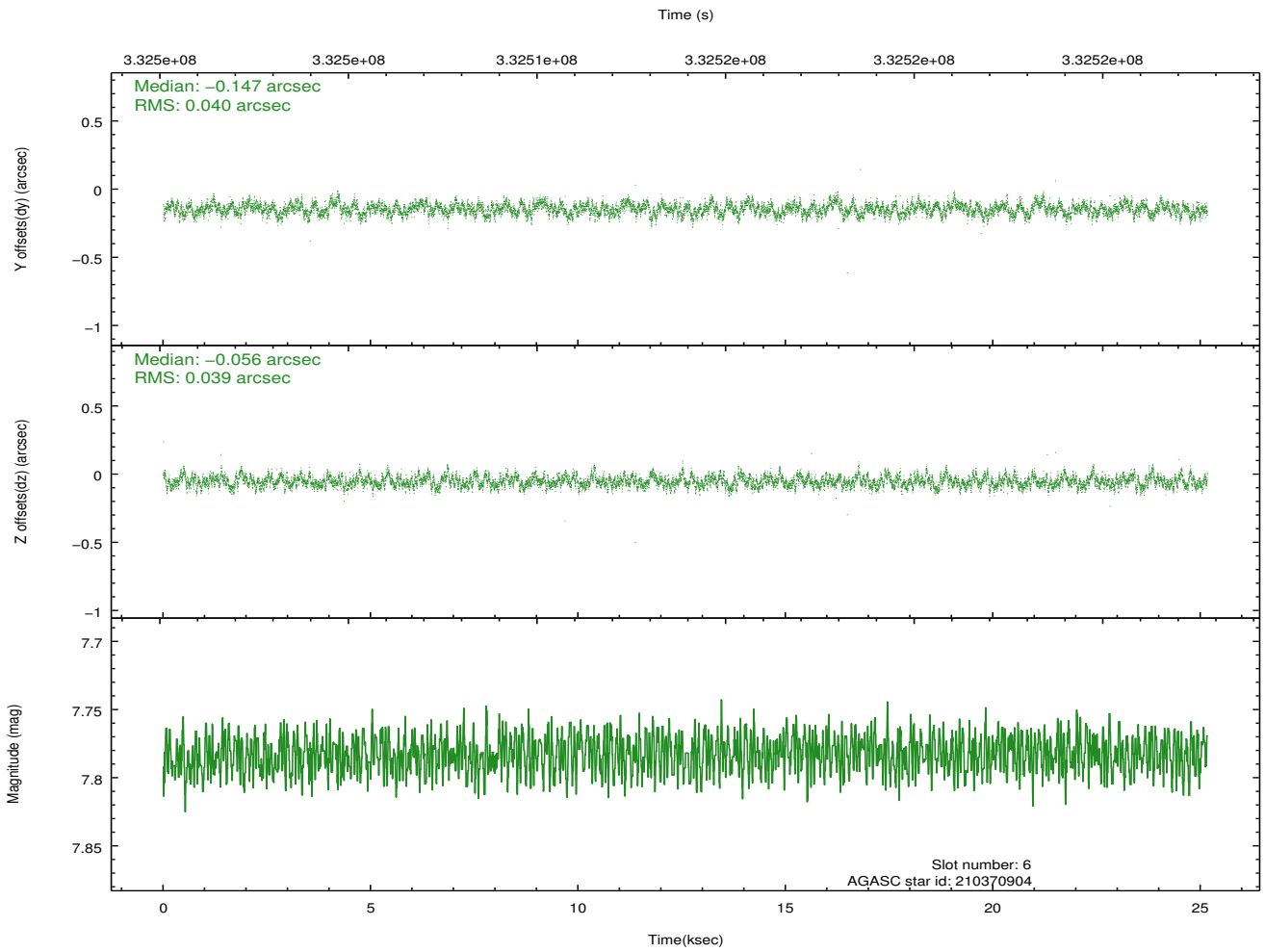
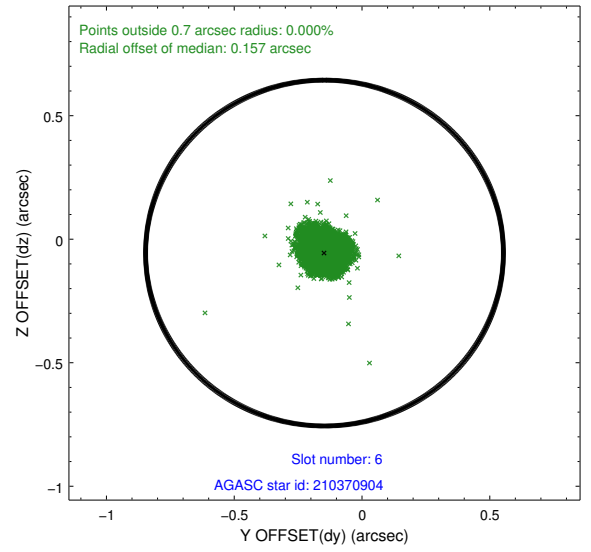
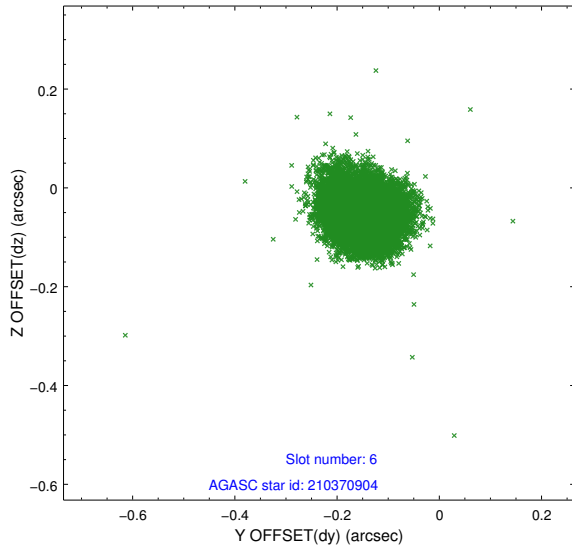
2.4.2 Slot 4



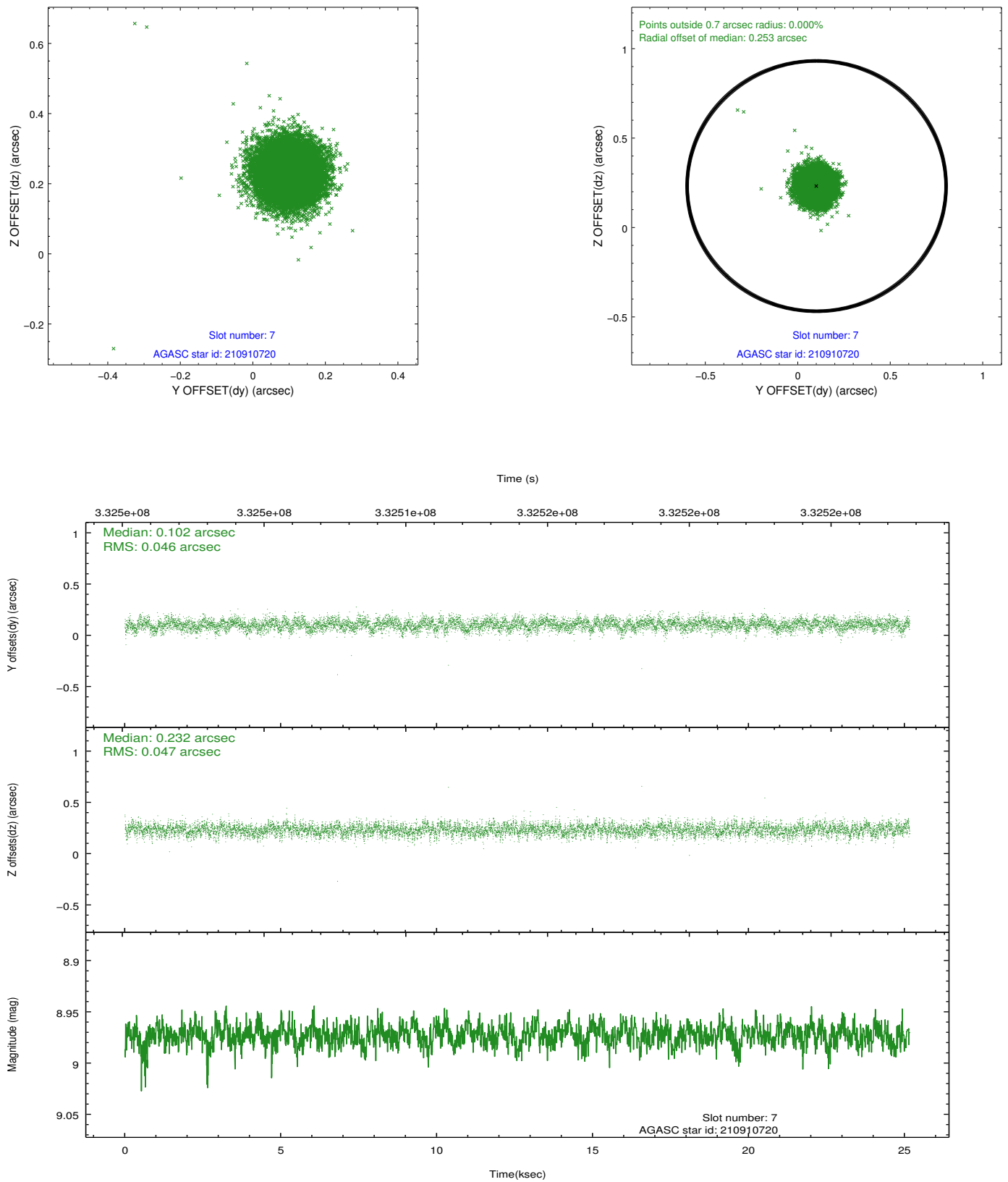
2.4.3 Slot 5



2.4.4 Slot 6

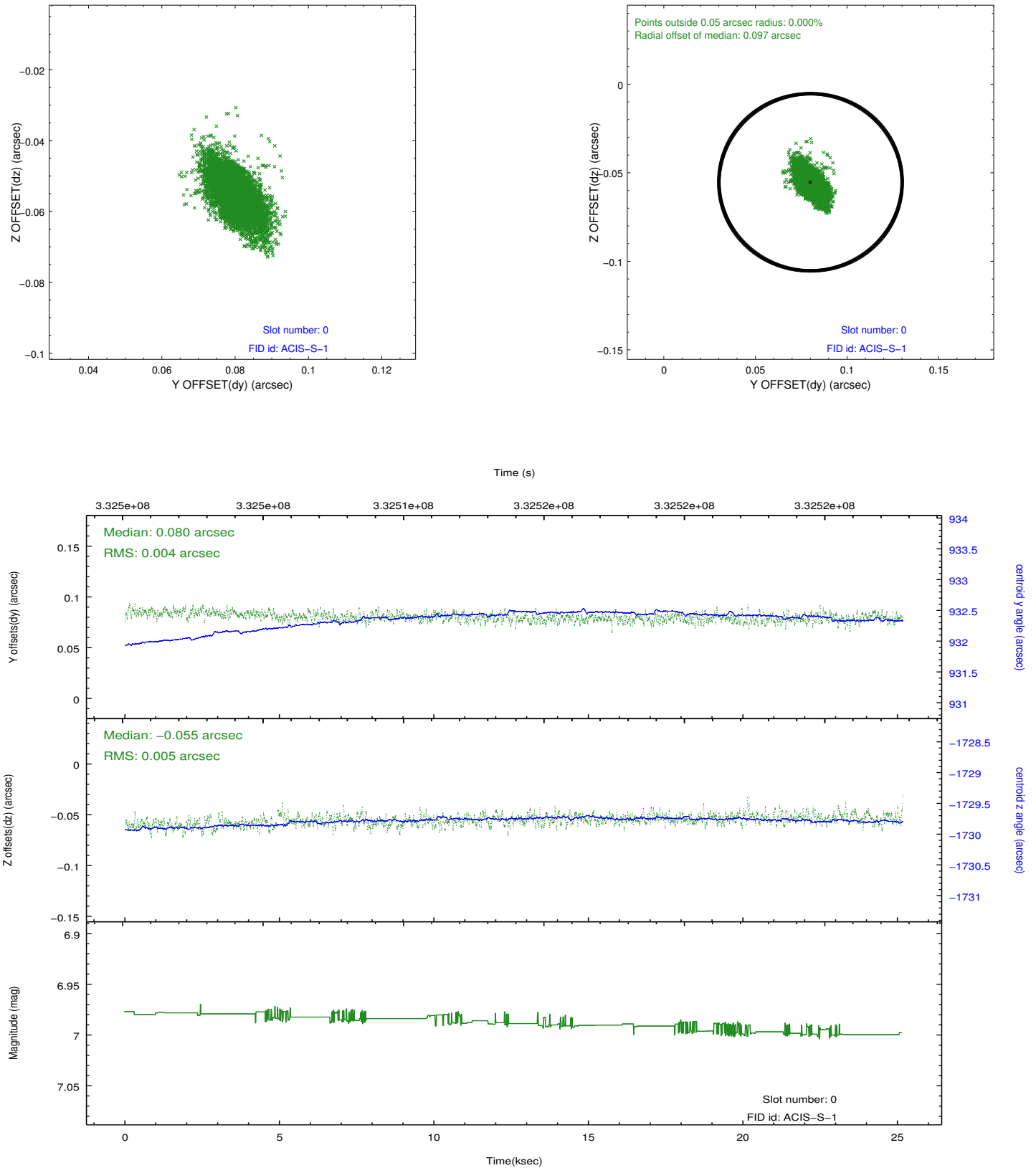


2.4.5 Slot 7

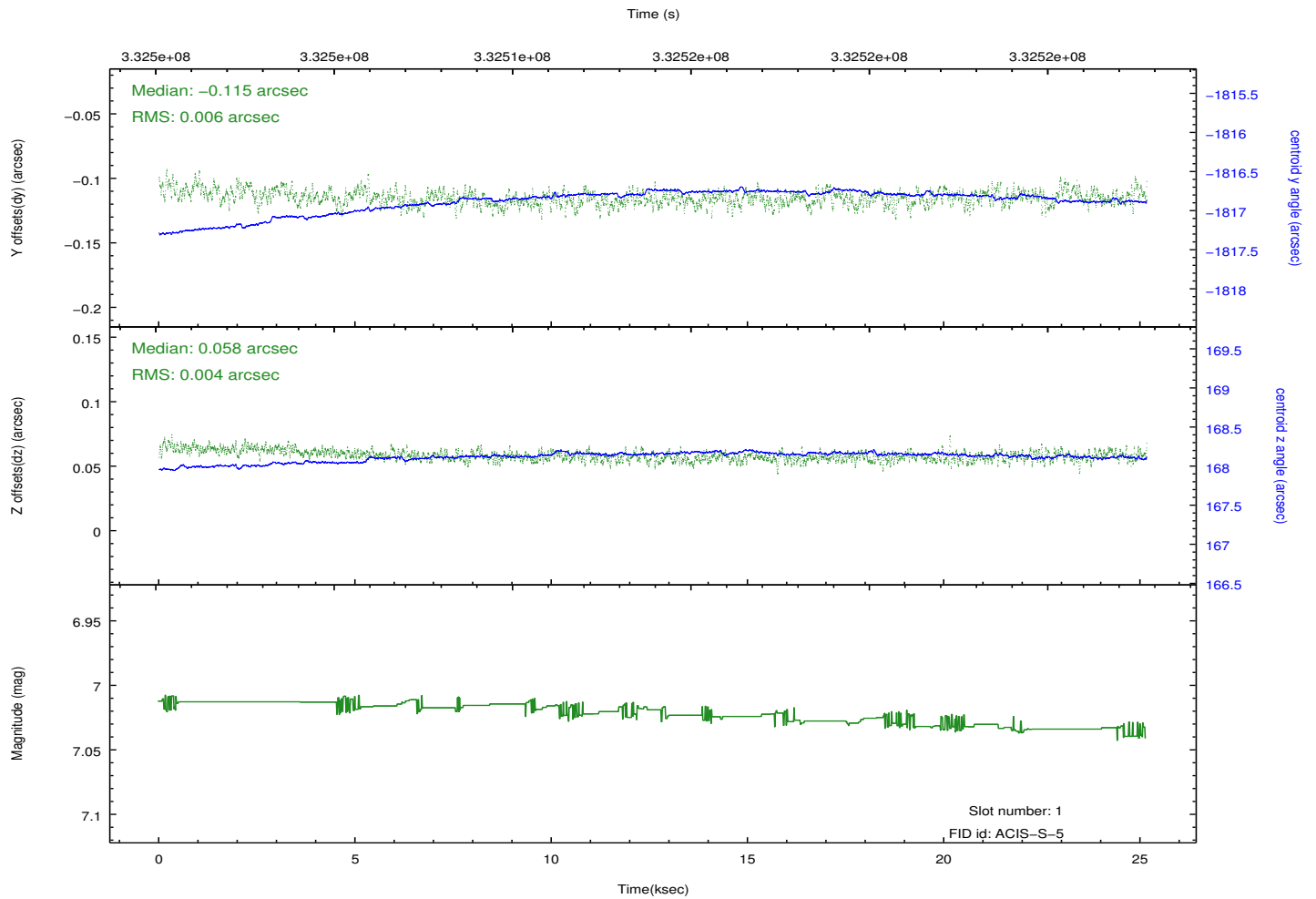
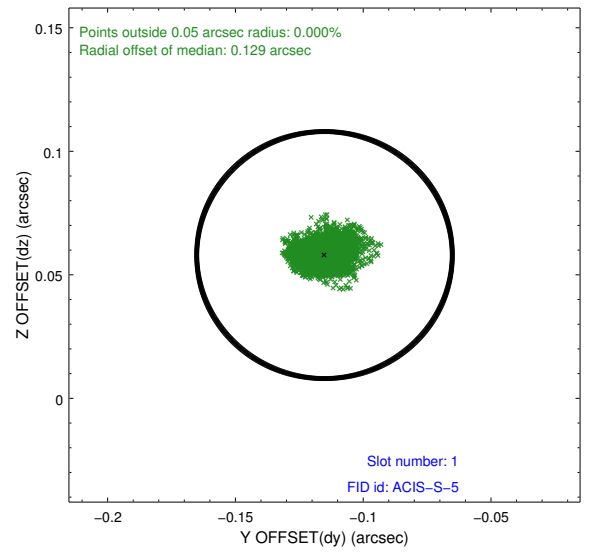
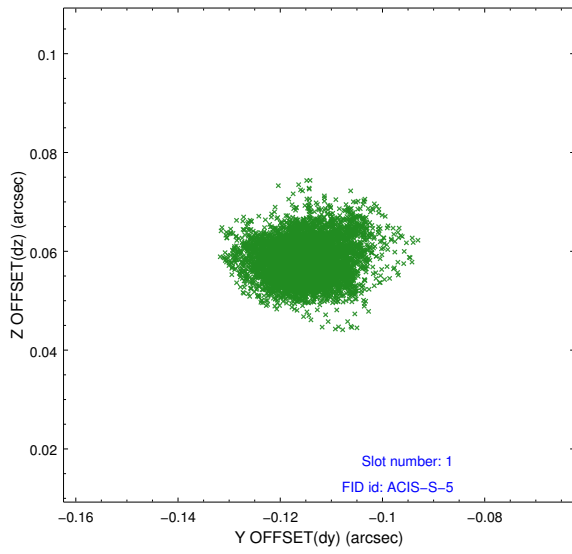


2.5 FID Slots

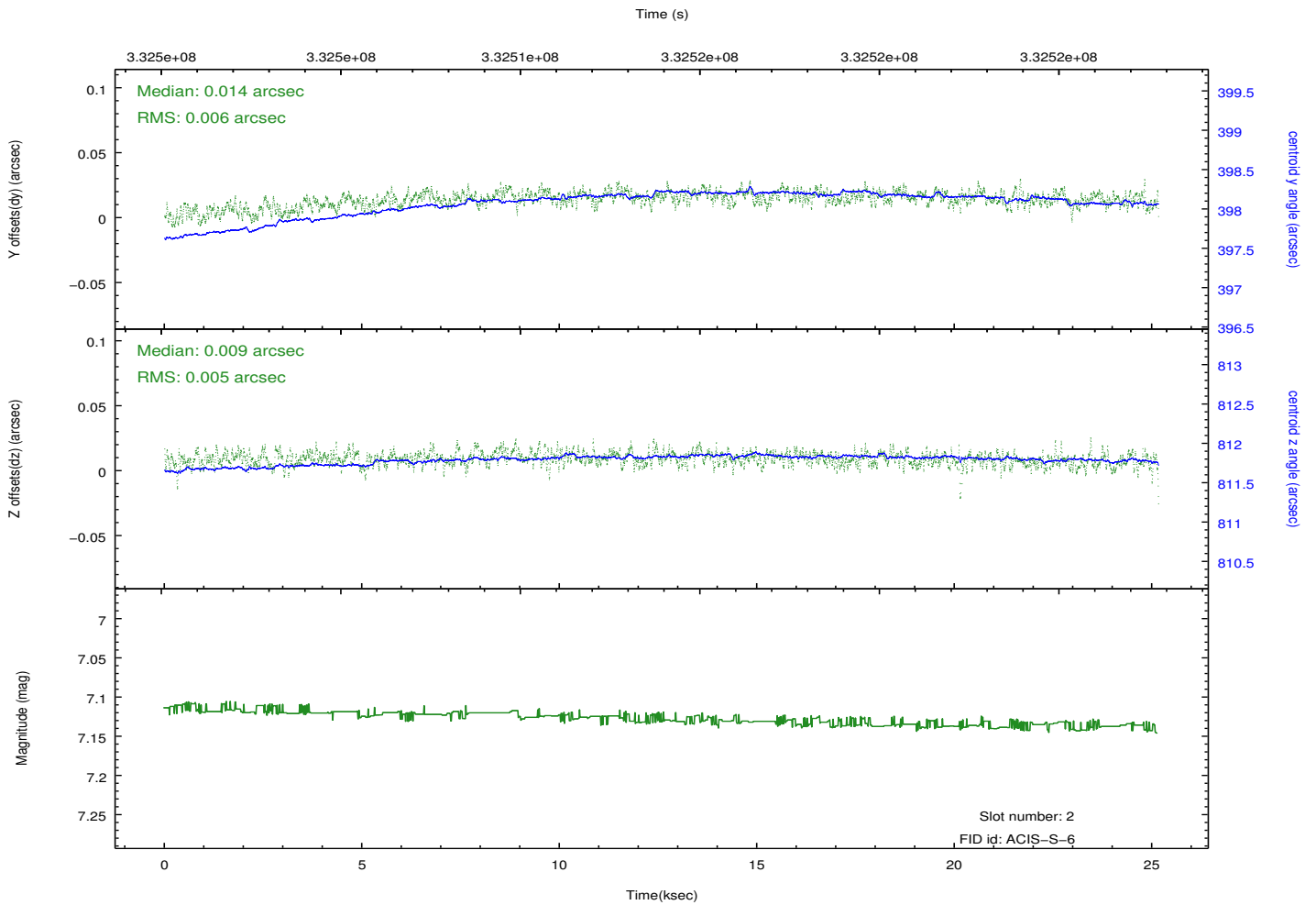
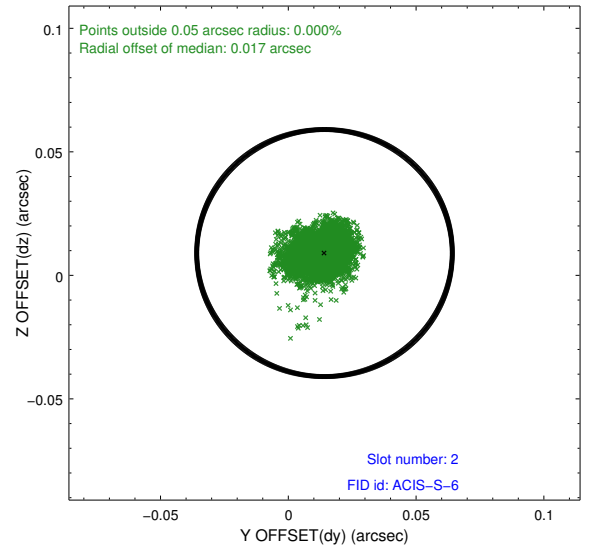
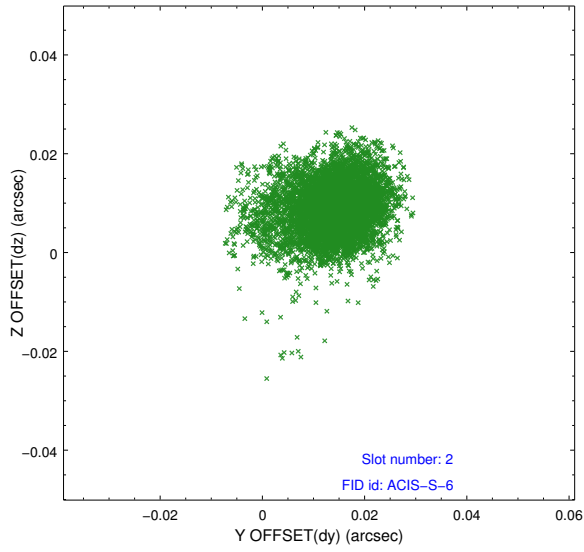
2.5.1 Slot 0



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)	2012.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.1583999

A.2 Comments