

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5421 - L2 Version 2
Chandra X-Ray Center

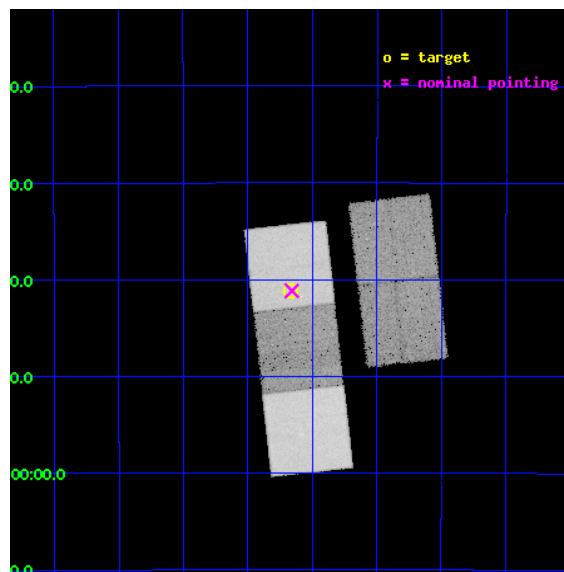
L2 Processing Date : Apr 2 2012

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1 Front

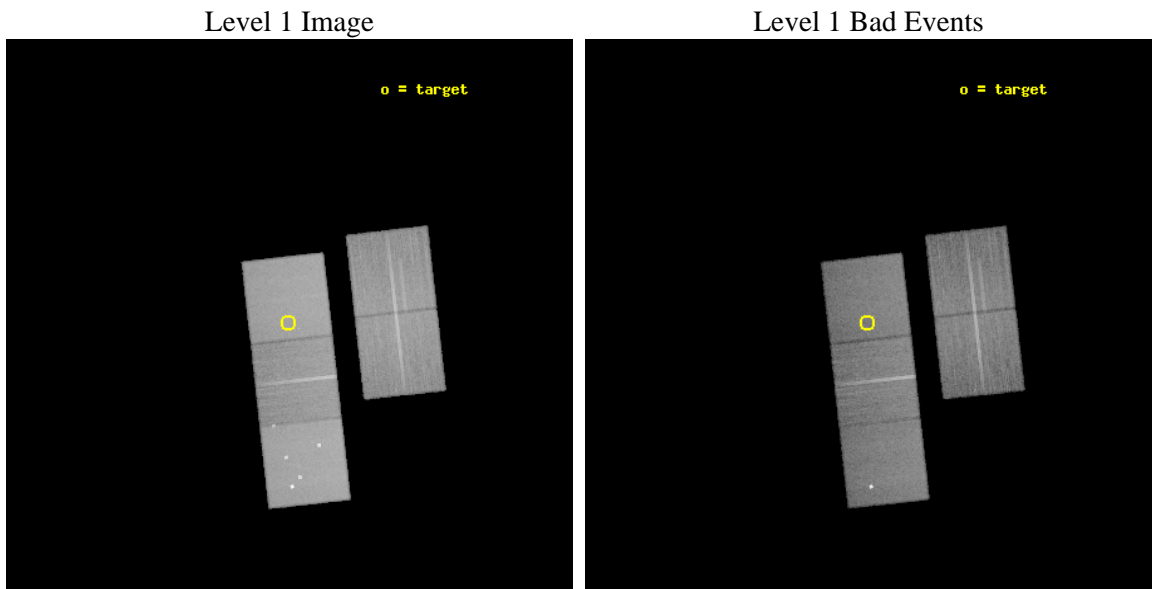
seq_num	200354	Sequence number
obs_id	5421	Observation id
title	A MINI-SURVEY OF MAGNETIC ACTIVITY IN L AND T BROWN DWARFS	Proposa
observer	Prof. Marc Audard	Principal investigator
object	Kelu-1	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.416667	Observer's specified target RA [deg]
dec_targ	-25.684972	Observer's specified target Dec [deg]
ra_nom	196.41467176323	Nominal RA [deg]
dec_nom	-25.68602664782	Nominal Dec [deg]
roll_nom	263.6049870606	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24161.399953514	Sum of GTIs [s]
livetime	23845.713475758	Livetime [s]
ontime2	24148.835992575	Sum of GTIs [s]
ontime3	24158.258953333	Sum of GTIs [s]
ontime5	24161.399953514	Sum of GTIs [s]
ontime6	24161.399953514	Sum of GTIs [s]
ontime7	24161.399953514	Sum of GTIs [s]
l2events	327716	Number of level 2 events



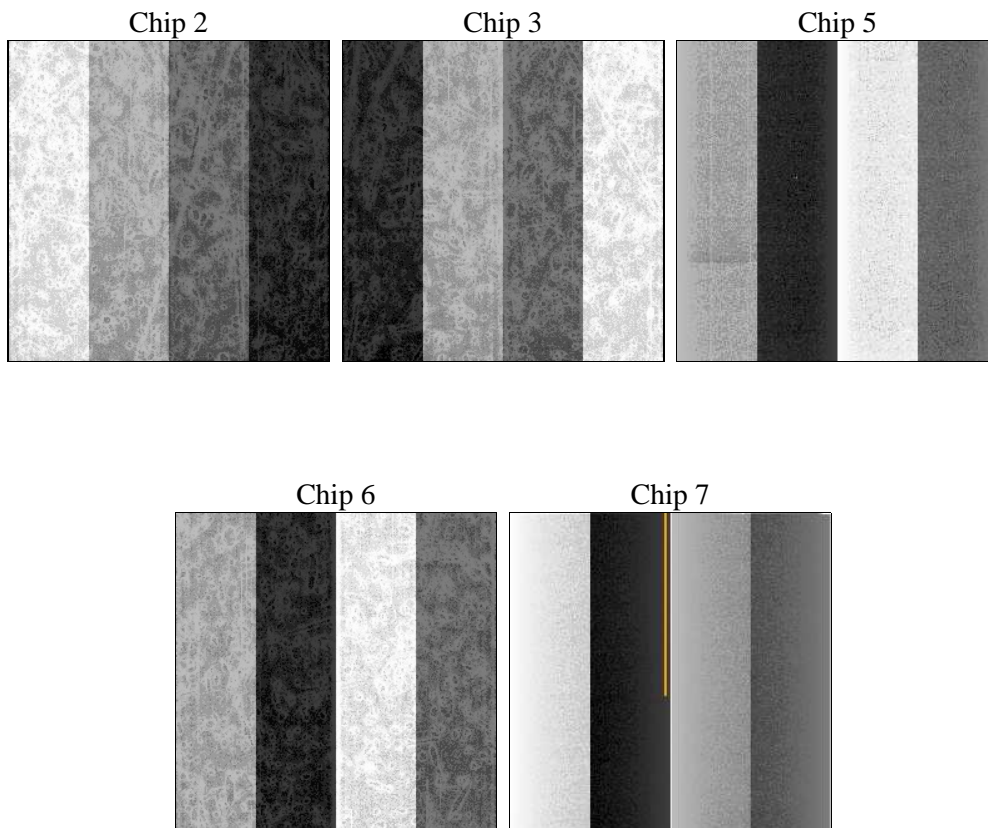
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	24161.399953514	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	24148.835992575	Sum of GTIs [s]
date	2012-04-02T06:17:25	Date and time of file creation	ontime3	24158.258953333	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	24161.399953514	Sum of GTIs [s]
			ontime6	24161.399953514	Sum of GTIs [s]
			ontime7	24161.399953514	Sum of GTIs [s]
			l1events	1311344	Number of level 1 events

2.1.4 Events

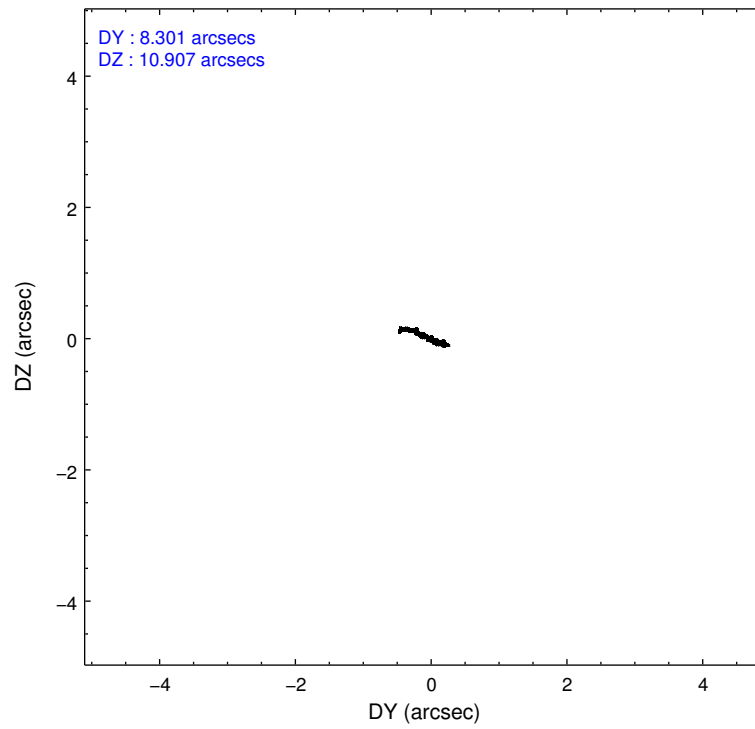
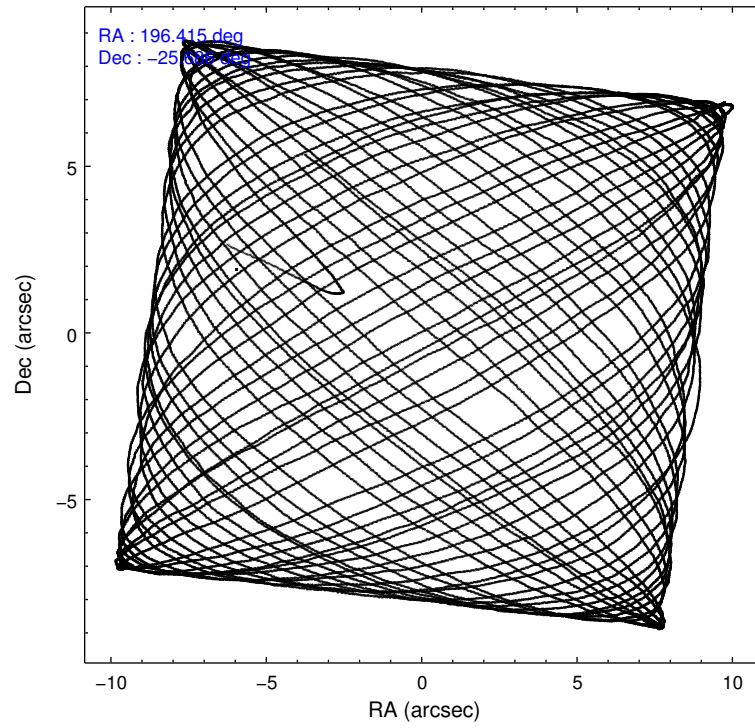
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	217934	218588	348863	223447	302512
rejected events	193026	193616	190456	197938	179645
rejected %	88%	88%	54%	88%	59%

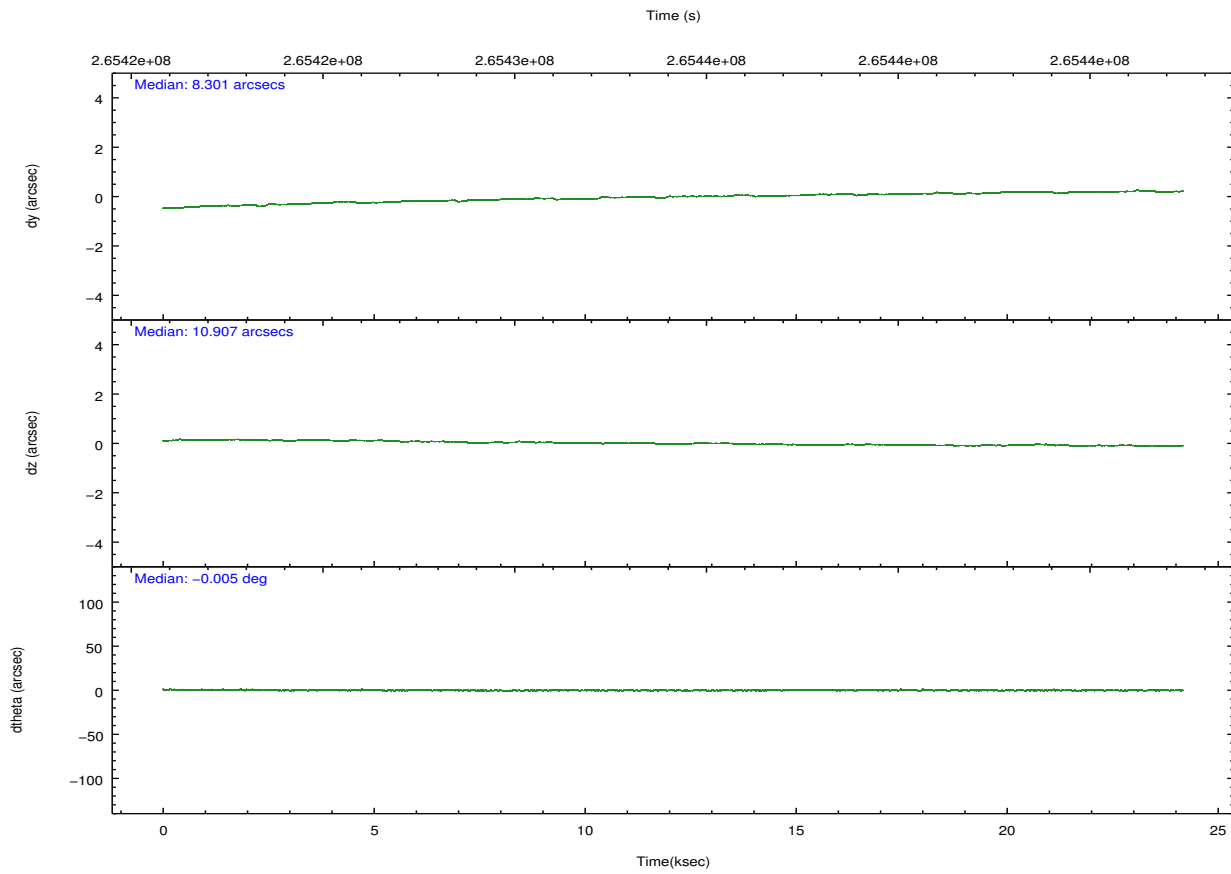
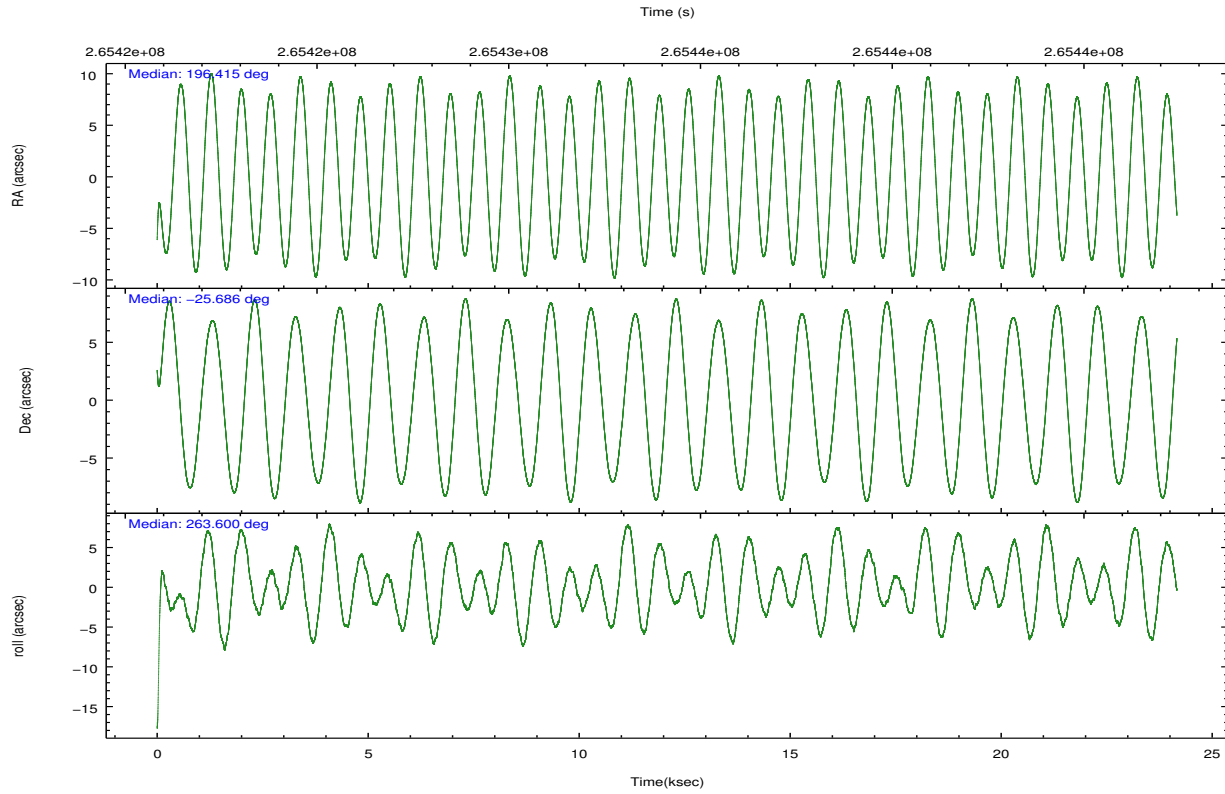
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	11231	11018	21096	10145	10896
	5%	5%	6%	4%	3%
grade 1 events	137	142	420	120	334
	0%	0%	0%	0%	0%
grade 2 events	5194	4954	47045	5522	25410
	2%	2%	13%	2%	8%
grade 3 events	2457	2522	5916	2571	10831
	1%	1%	1%	1%	3%
grade 4 events	2380	2417	5732	2446	10754
	1%	1%	1%	1%	3%
grade 5 events	8360	9732	25789	10160	28595
	3%	4%	7%	4%	9%
grade 6 events	4001	4499	81346	5308	67035
	1%	2%	23%	2%	22%
grade 7 events	184174	183304	161519	187175	148657
	84%	83%	46%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	196.402198	196.4146717632294	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.661217	-25.68602664781978	Alternating exposures requested	N	N
[deg] Pointing Roll	263.442965	263.6049870606026	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	265422214.184000	265421023.3313			
Observation start date	2006-05-31T00:22:29	2006-05-31T00:03:43			
[s] Observation end time (MET)	265446214.184000	265447105.99502			
Observation end date	2006-05-31T07:02:29	2006-05-31T07:18:25			
Read mode	TIMED	TIMED			

2.3 Aspect



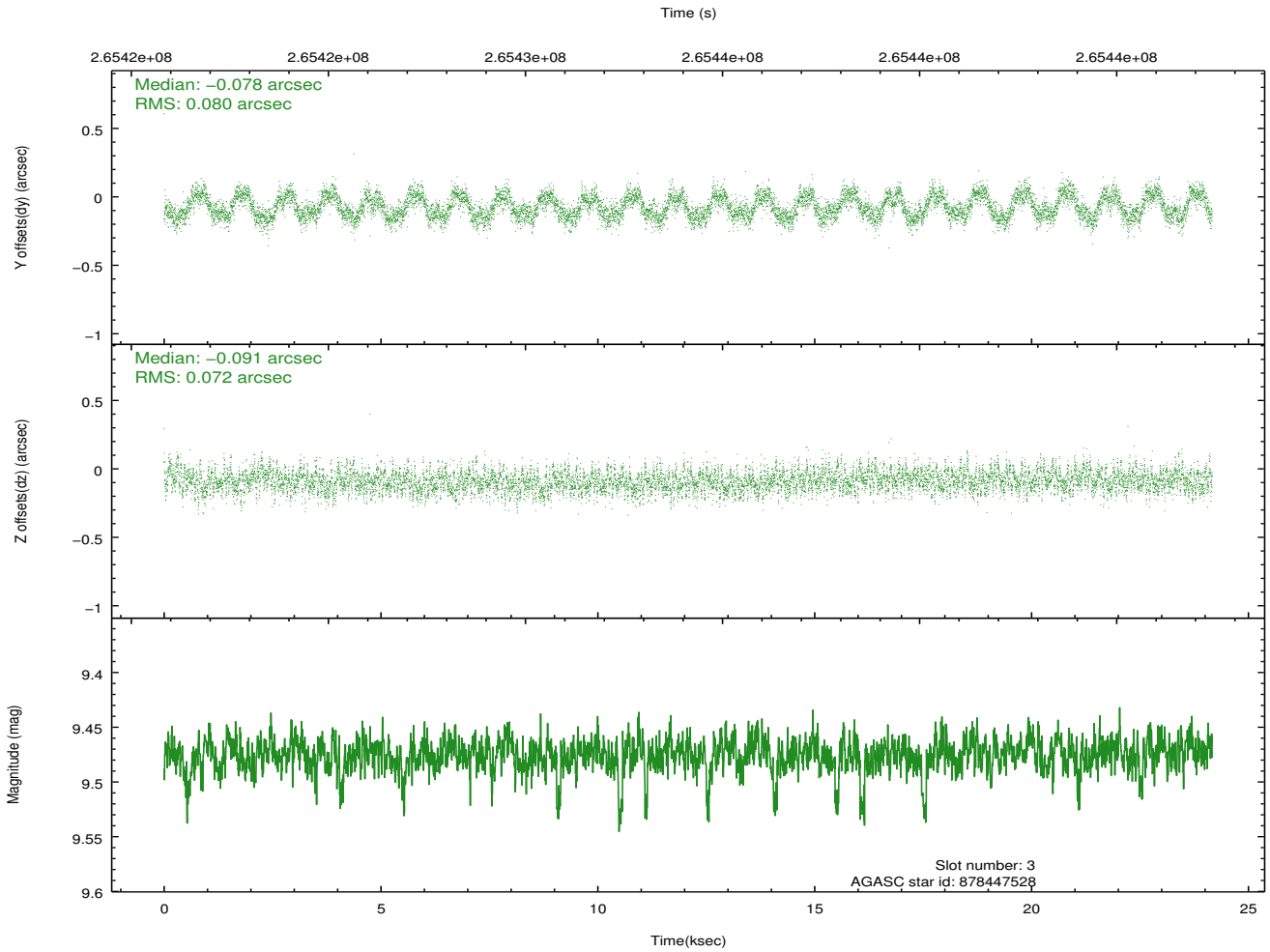
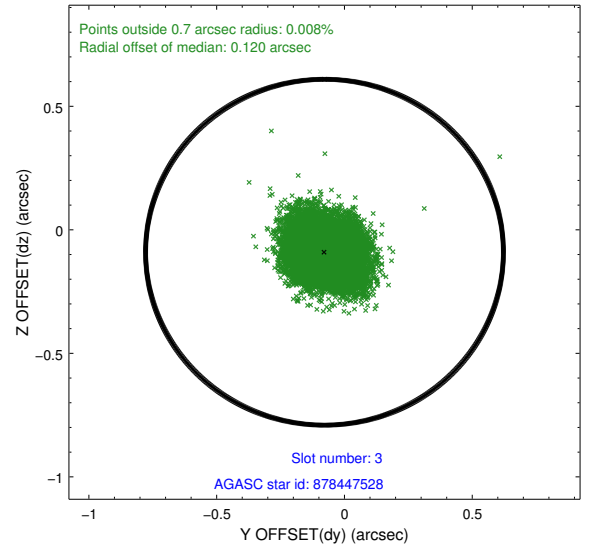
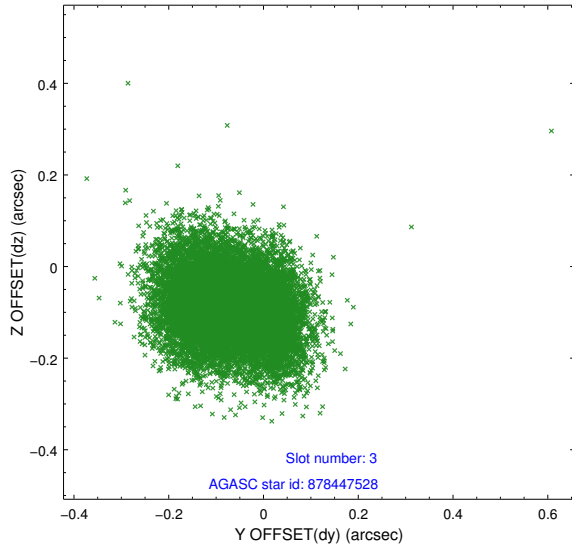


Slot Statistics

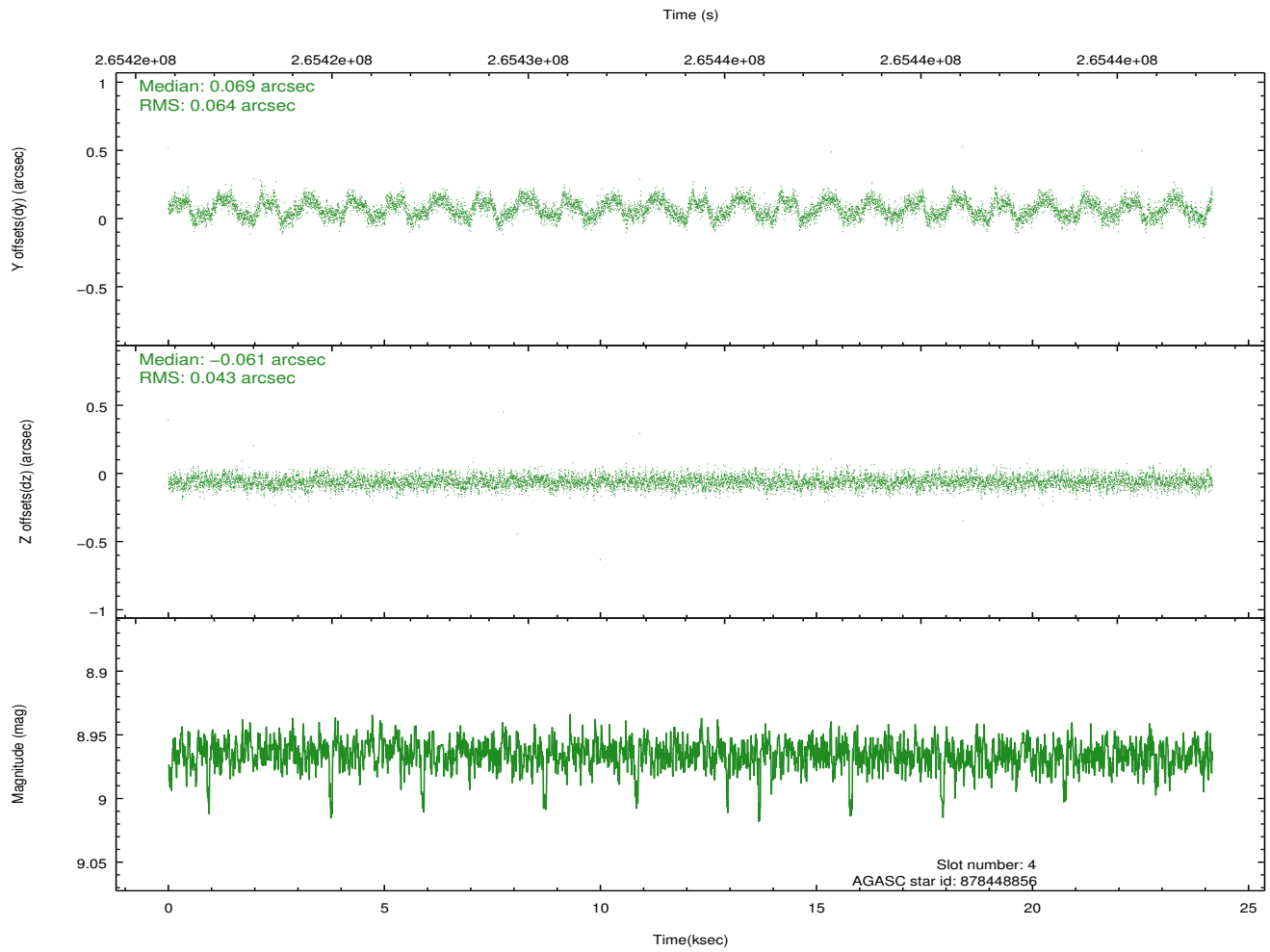
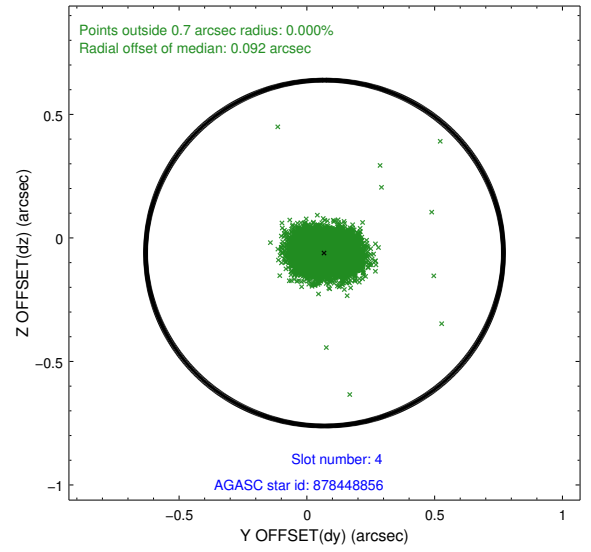
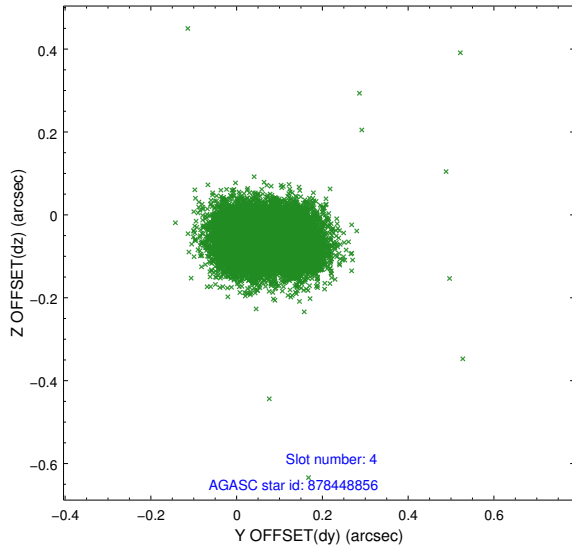
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5894	-0.041	-0.021	0.010	0.016	0.000000	0.000000	-761.04	-1732.22
1	FID	ACIS-S-4	7.21	5894	0.132	0.026	0.010	0.017	0.000000	0.000000	2152.31	176.24
2	FID	ACIS-S-5	7.23	5892	-0.122	0.004	0.009	0.015	0.000000	0.000000	-1813.84	169.94
3	GUIDE	878447528	9.48	11778	-0.078	-0.091	0.116	0.179	195.737433	-25.746526	556.96	-2105.72
4	GUIDE	878448856	8.97	11786	0.069	-0.061	0.082	0.129	196.543710	-26.005719	1180.34	596.48
5	GUIDE	878578320	9.02	11780	-0.106	-0.016	0.083	0.136	197.060160	-25.236163	-1759.37	1954.43
6	GUIDE	879111352	9.26	11777	0.179	0.040	0.086	0.138	196.841765	-26.349366	2301.72	1692.51
7	GUIDE	878968856	8.82	11783	-0.071	0.126	0.066	0.109	196.273159	-26.325646	2424.40	-139.93

2.4 Star Slots

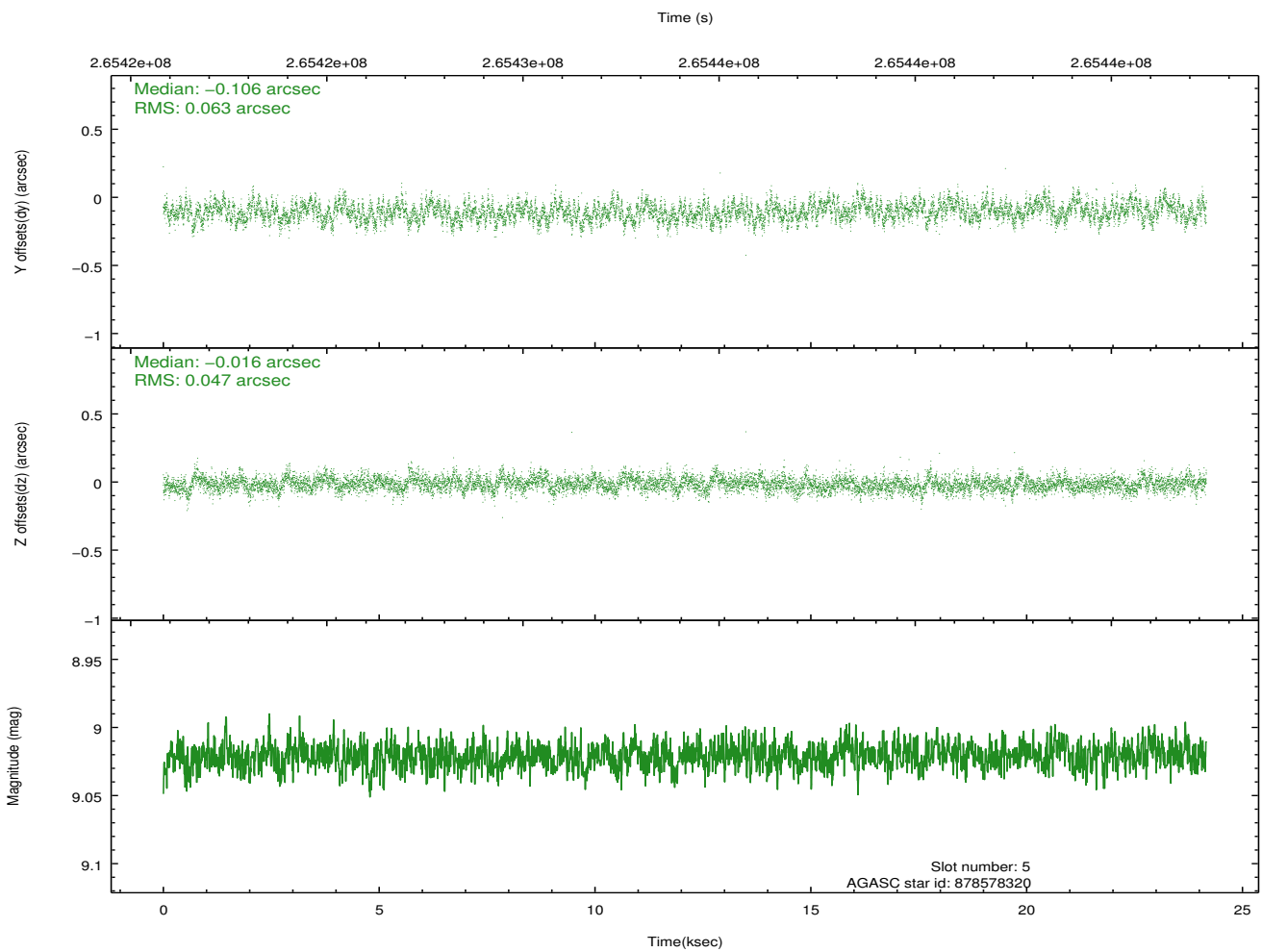
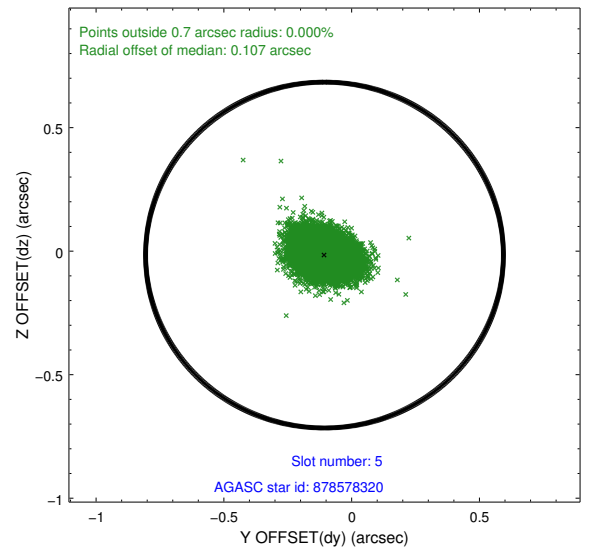
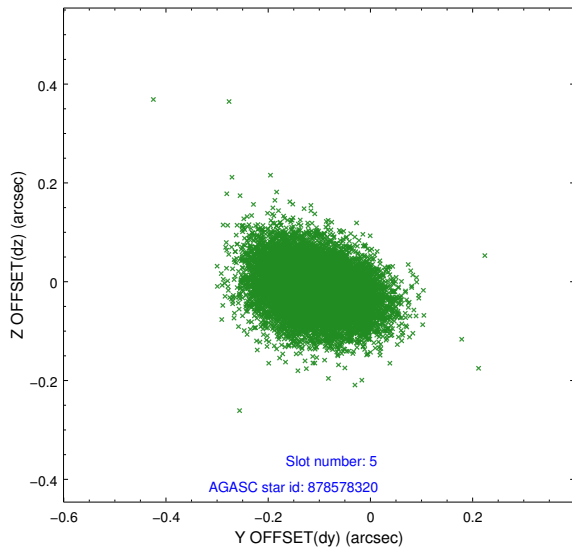
2.4.1 Slot 3



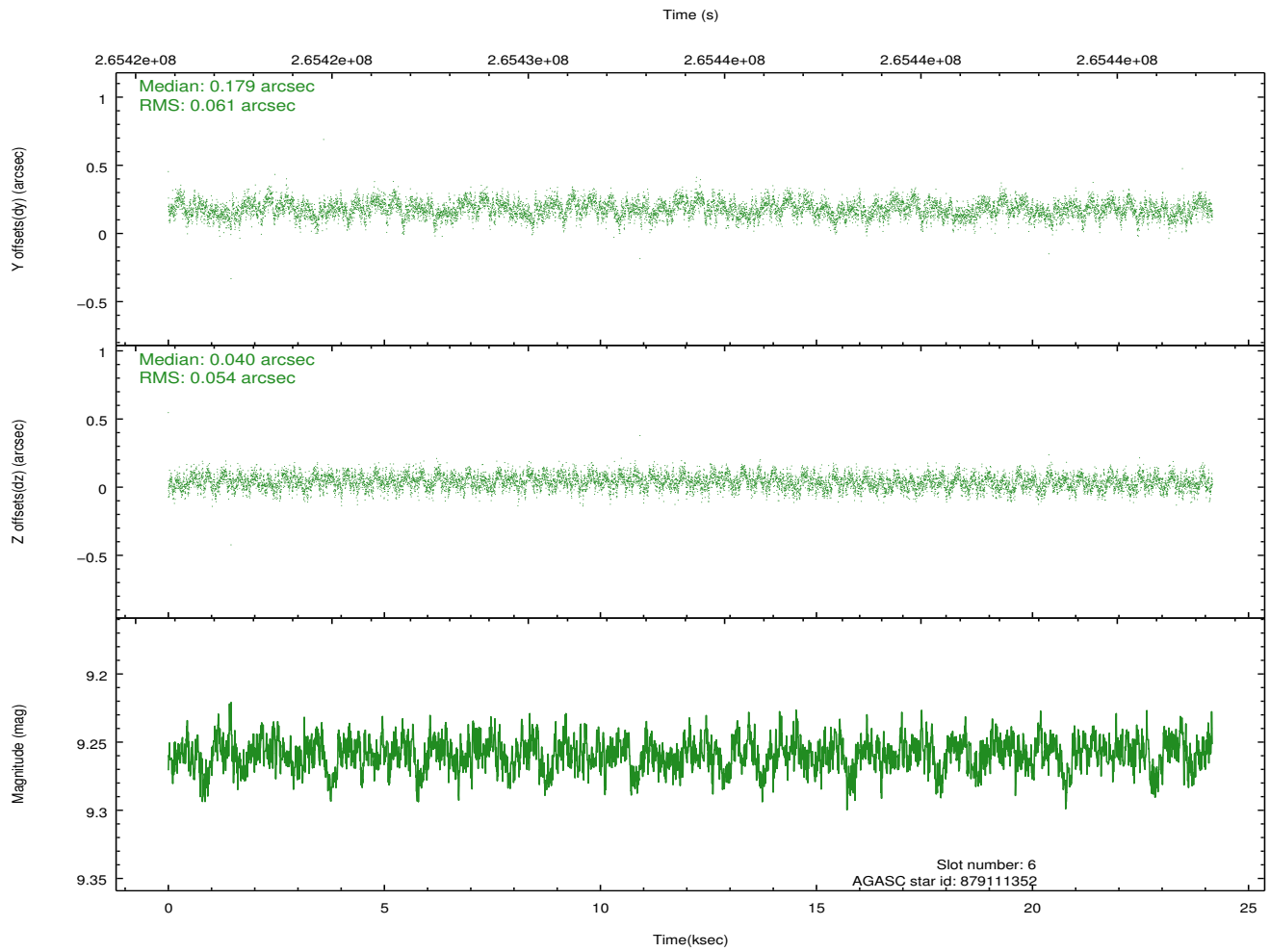
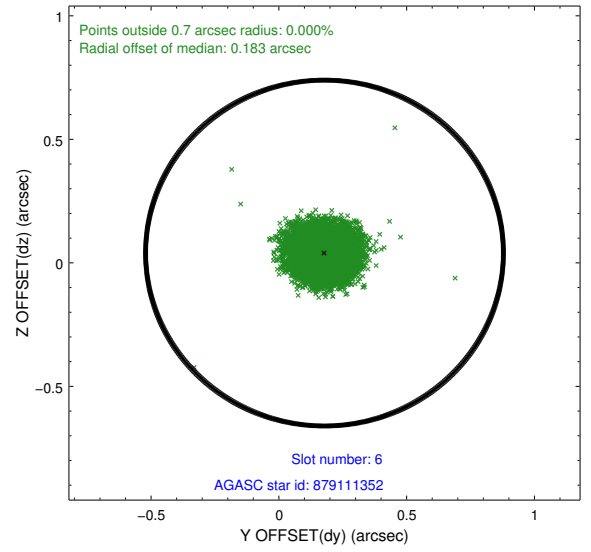
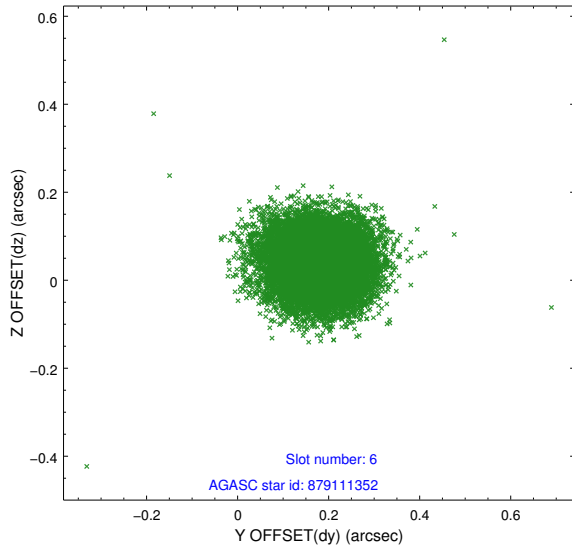
2.4.2 Slot 4



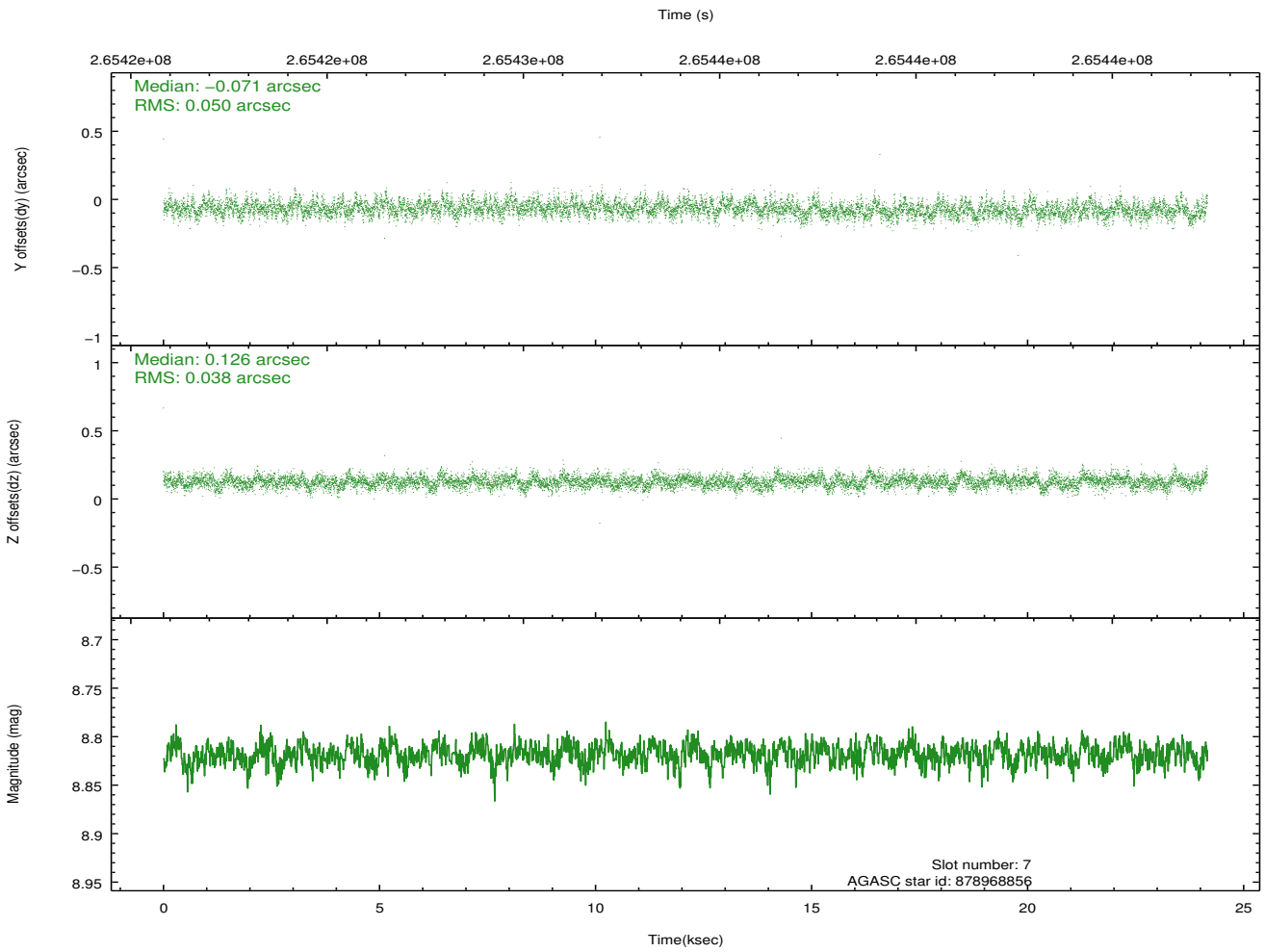
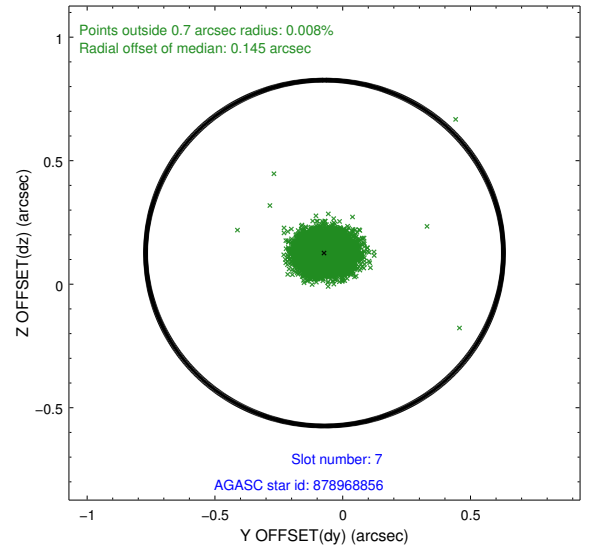
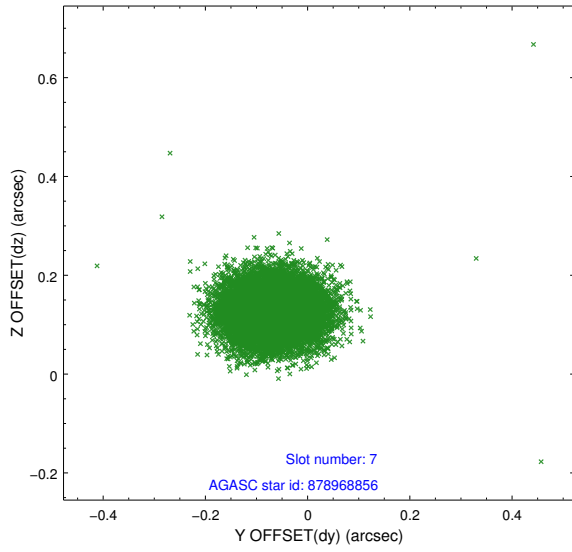
2.4.3 Slot 5



2.4.4 Slot 6

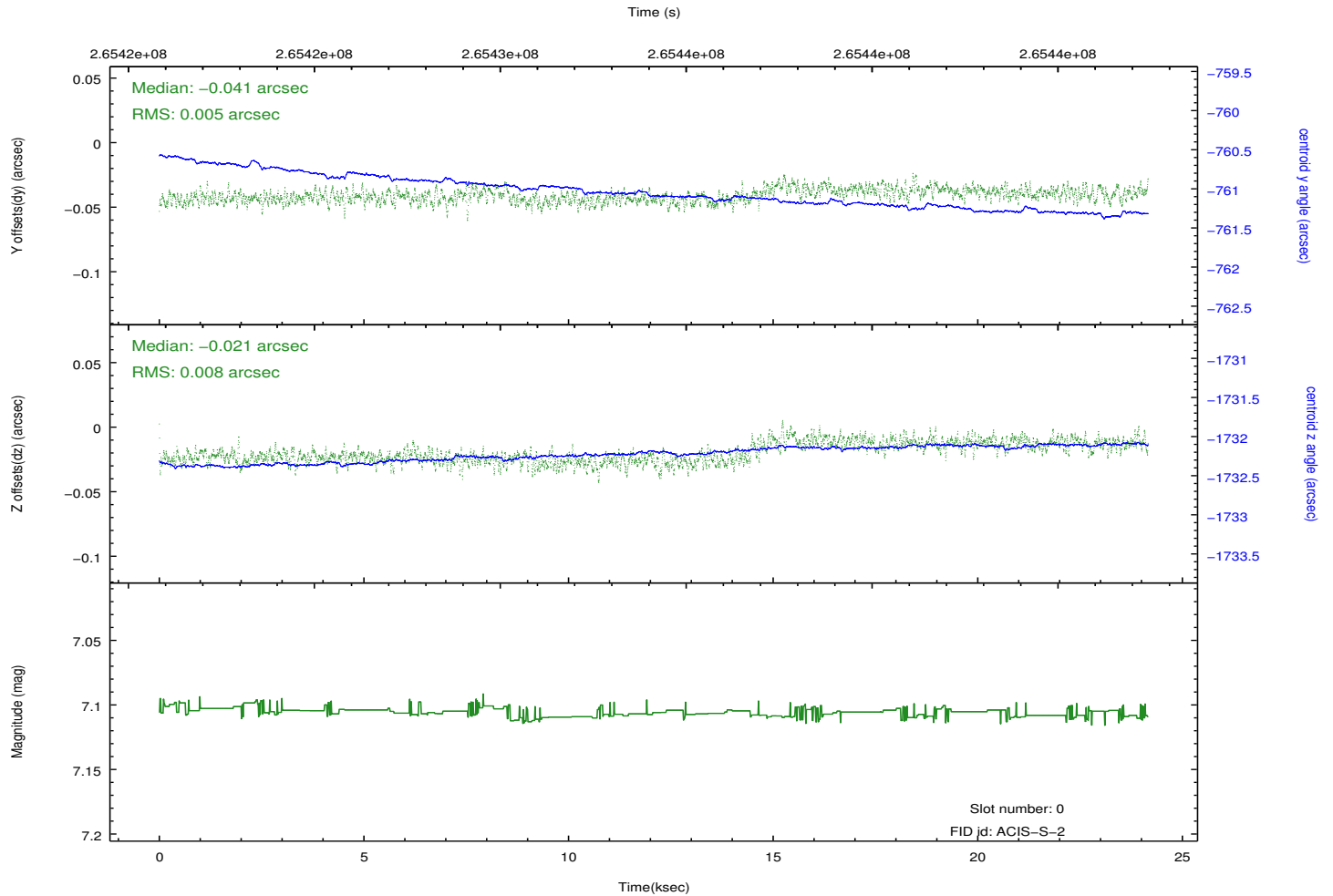
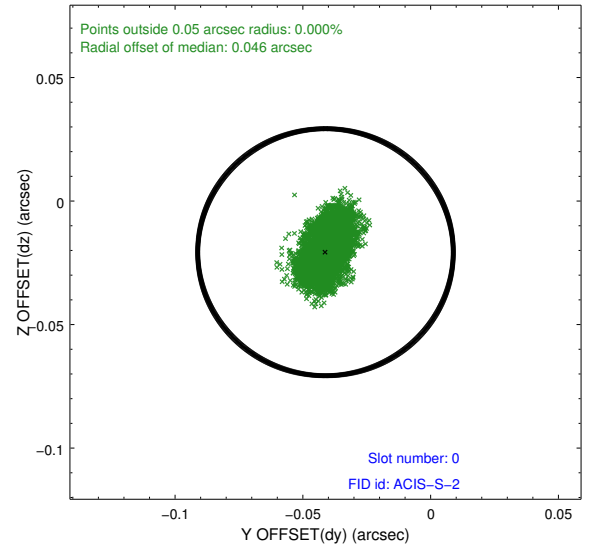
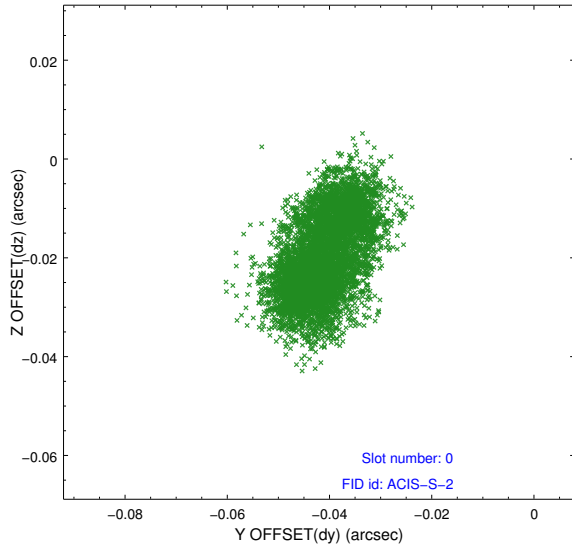


2.4.5 Slot 7

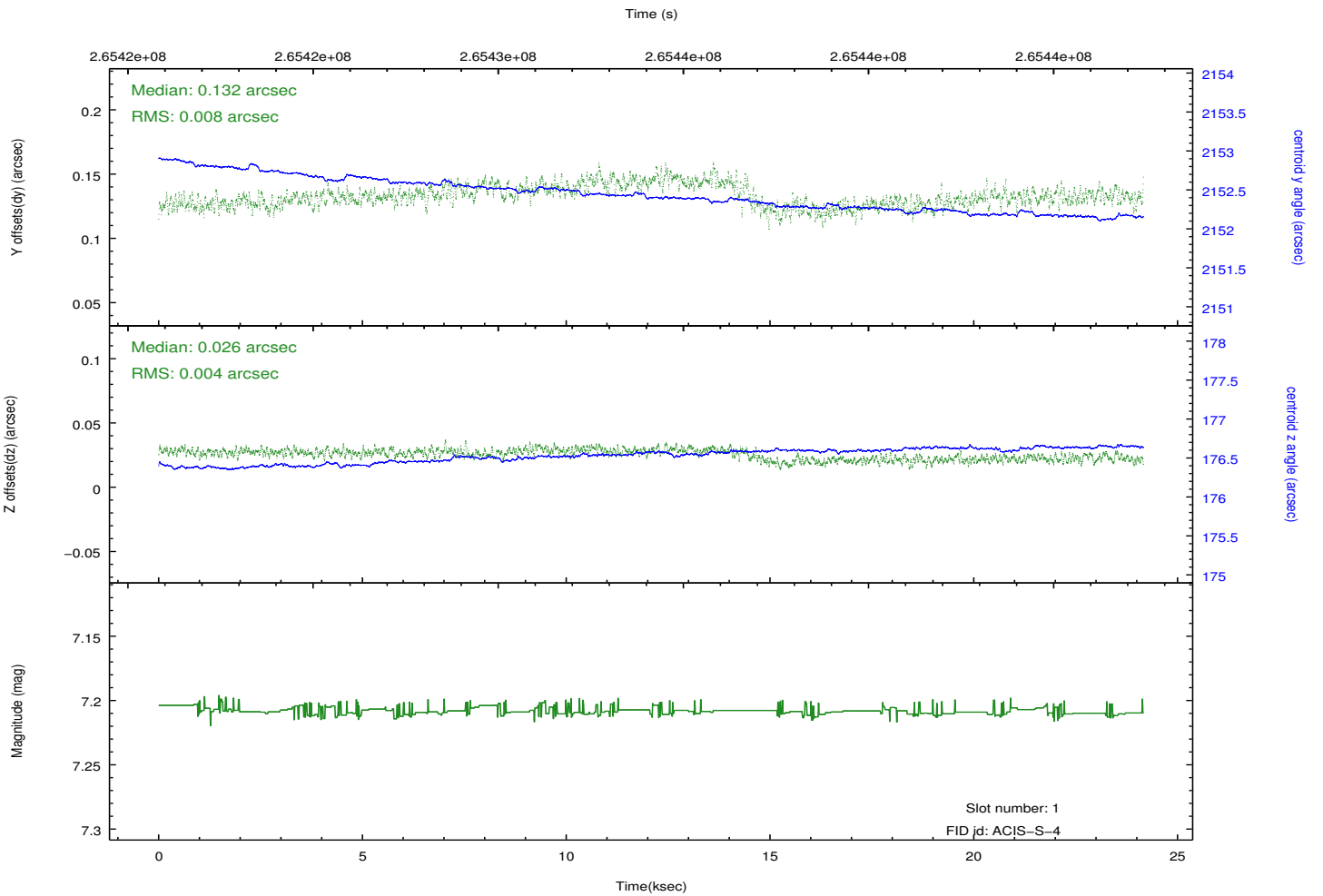
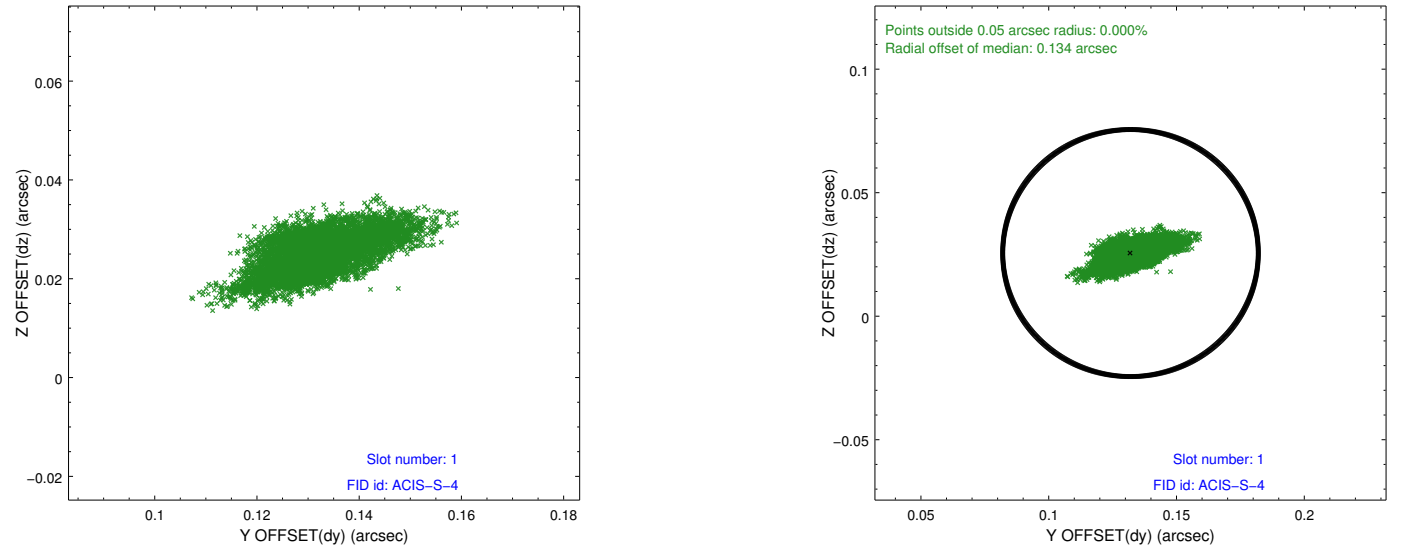


2.5 FID Slots

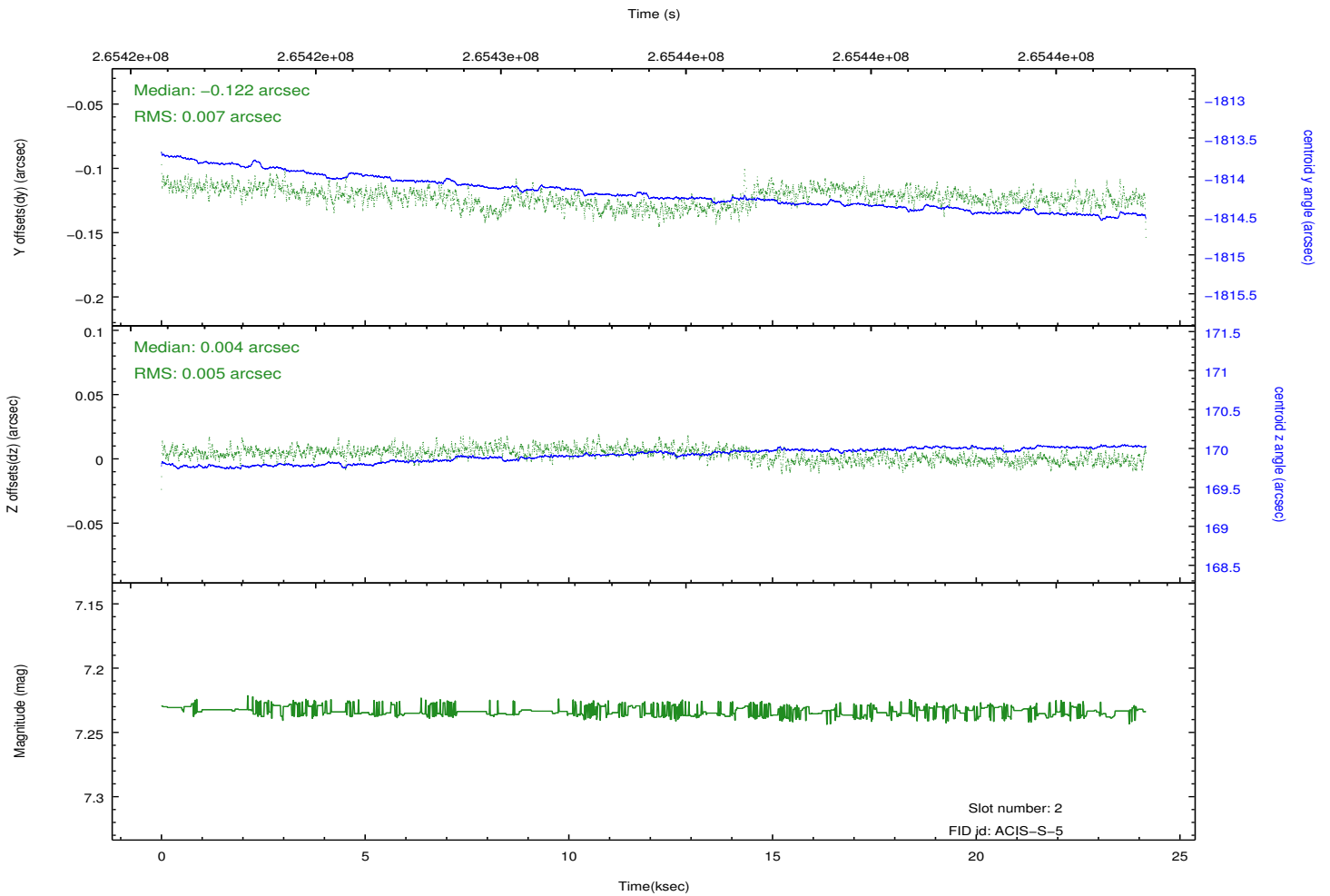
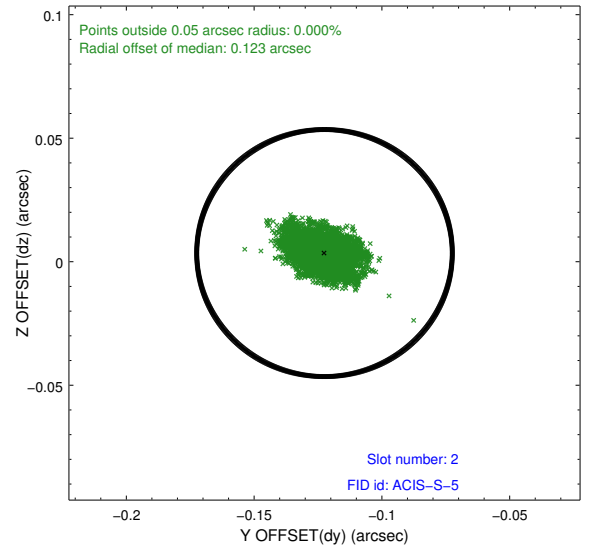
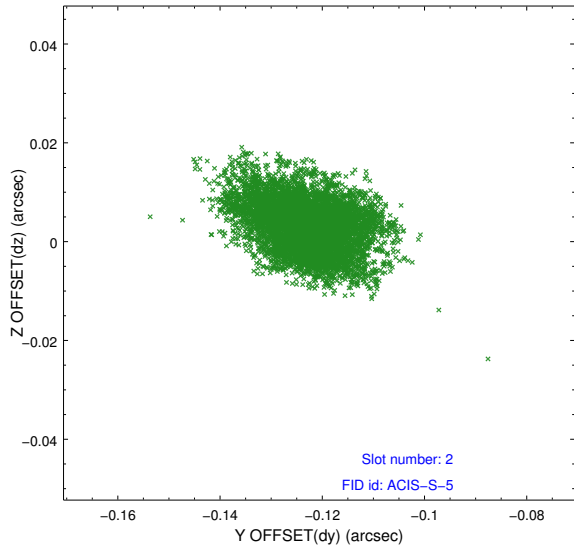
2.5.1 Slot 0



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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.1613999

A.2 Comments

Joint Proposal: NRAO