

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9921 - L2 Version 2
Chandra X-Ray Center

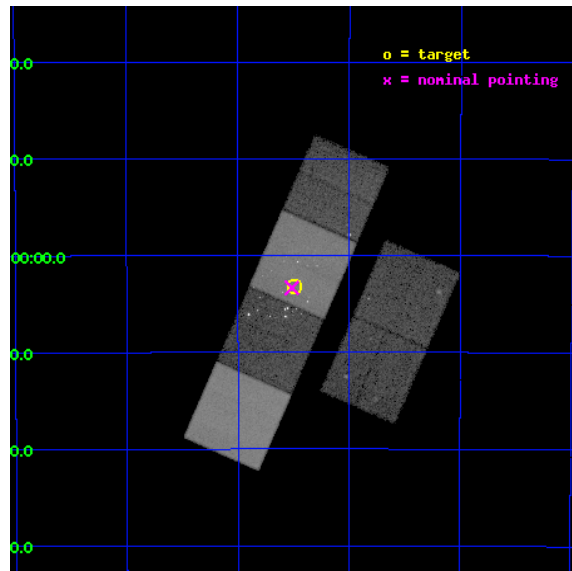
L2 Processing Date : Jun 9 2012

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1 Front

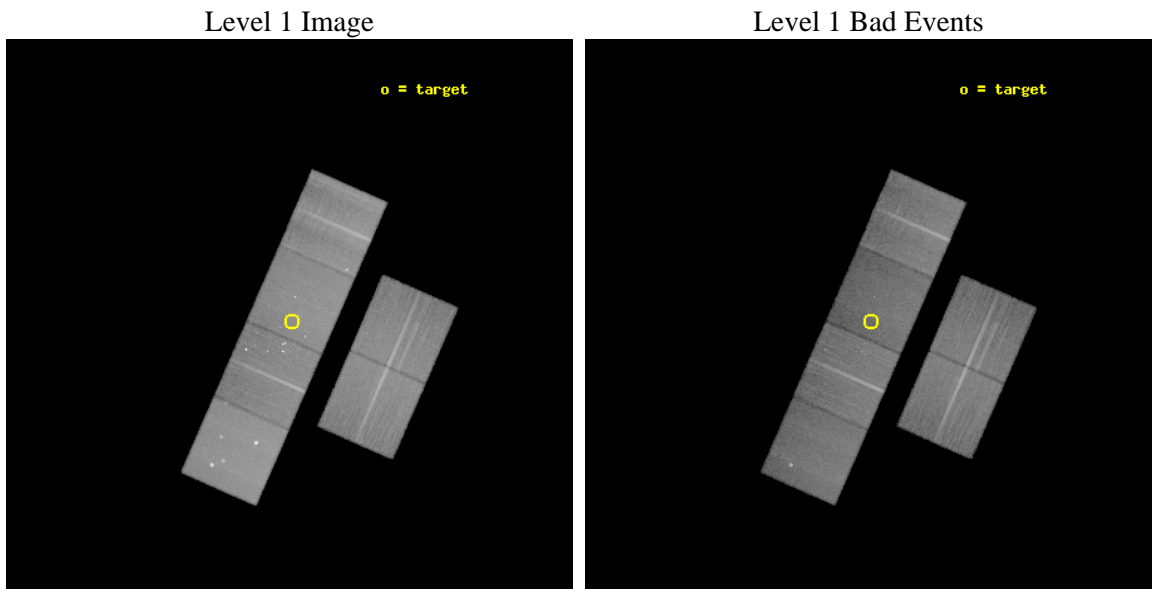
seq_num	200537	Sequence number
obs_id	9921	Observation id
title	Imaging X-Ray Microjets from T Tauri Stars	Proposal title
observer	Prof. Manuel Guedel	Principal investigator
object	Sz 102	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.12375	Observer's specified target RA [deg]
dec_targ	-39.053028	Observer's specified target Dec [deg]
ra_nom	242.12889831378	Nominal RA [deg]
dec_nom	-39.055784384535	Nominal Dec [deg]
roll_nom	293.64844452532	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29331.199890792	Sum of GTIs [s]
livetime	28959.790576647	Livetime [s]
ontime2	29318.235779464	Sum of GTIs [s]
ontime3	29331.199890792	Sum of GTIs [s]
ontime5	29331.199890792	Sum of GTIs [s]
ontime6	29331.199890792	Sum of GTIs [s]
ontime7	29331.199890792	Sum of GTIs [s]
ontime8	29331.199890792	Sum of GTIs [s]
l2events	417484	Number of level 2 events



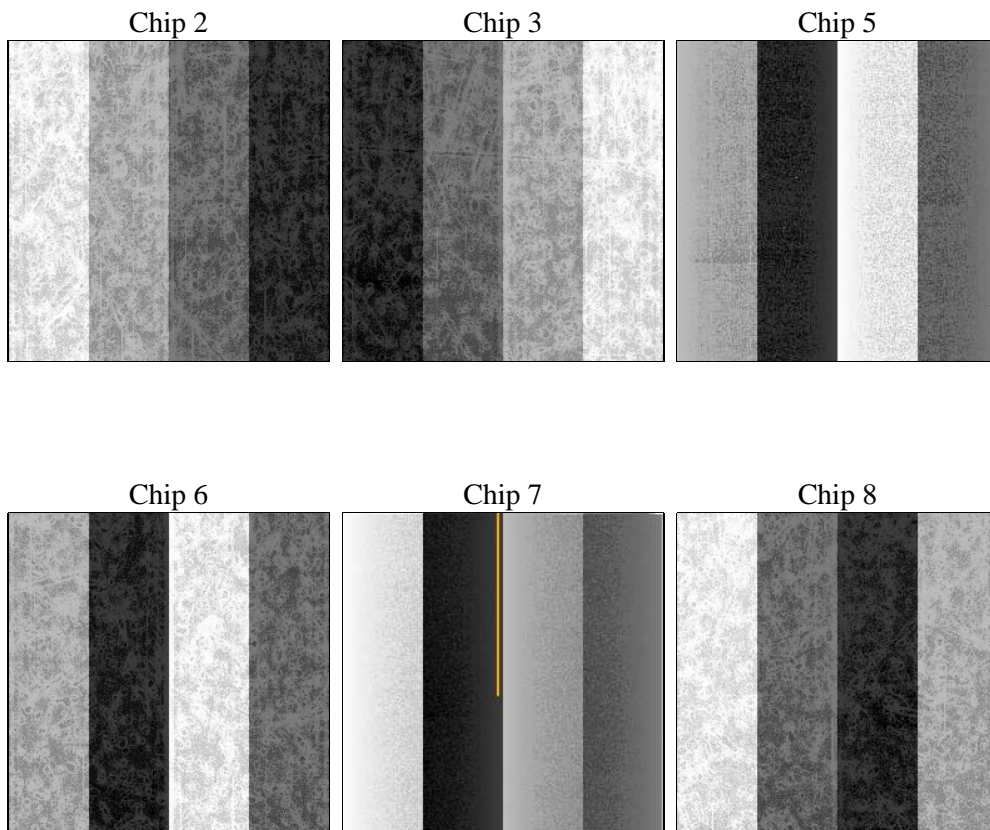
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	29293.469000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29331.199890792	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	29318.235779464	Sum of GTIs [s]
date	2012-06-09T08:44:04	Date and time of file creation	ontime3	29331.199890792	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	29331.199890792	Sum of GTIs [s]
			ontime6	29331.199890792	Sum of GTIs [s]
			ontime7	29331.199890792	Sum of GTIs [s]
			ontime8	29331.199890792	Sum of GTIs [s]
			l1events	1799597	Number of level 1 events

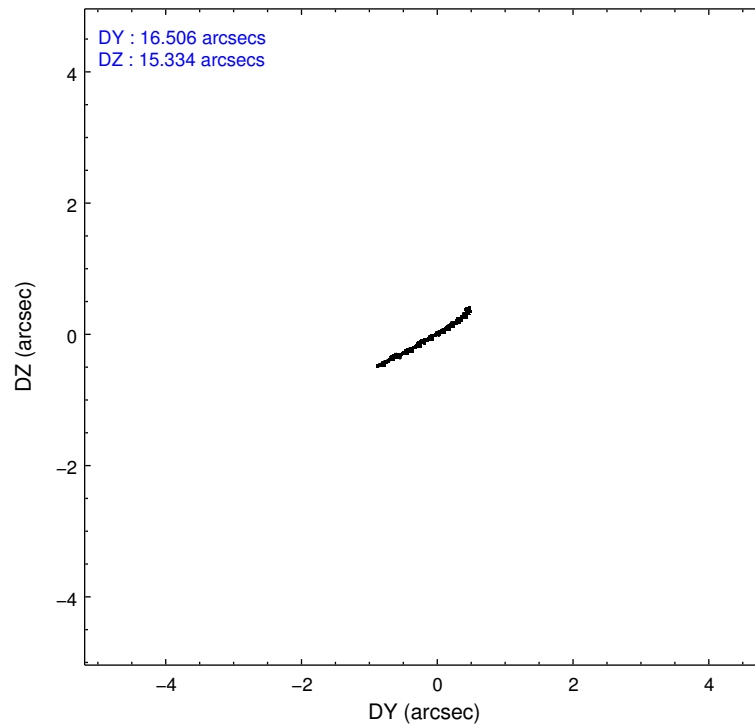
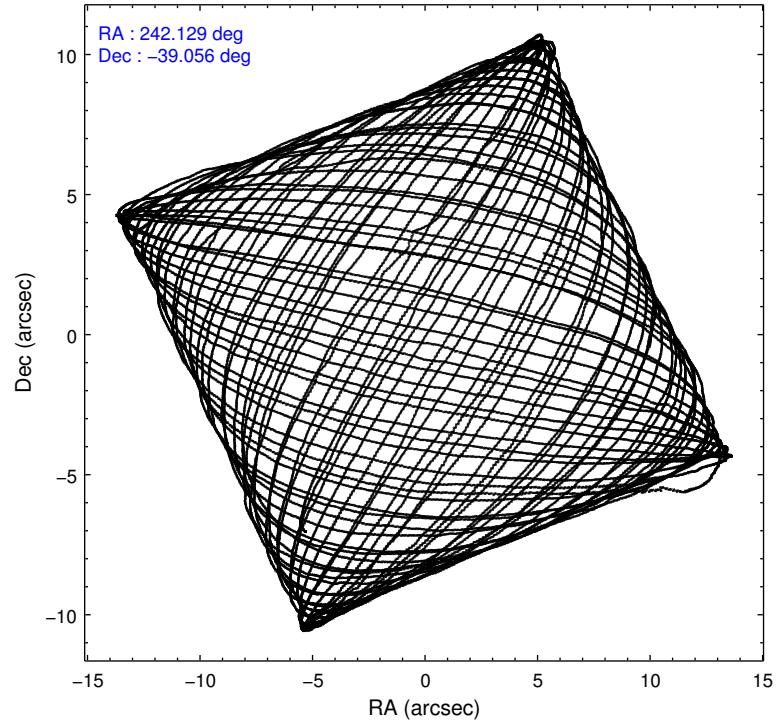
2.1.4 Events

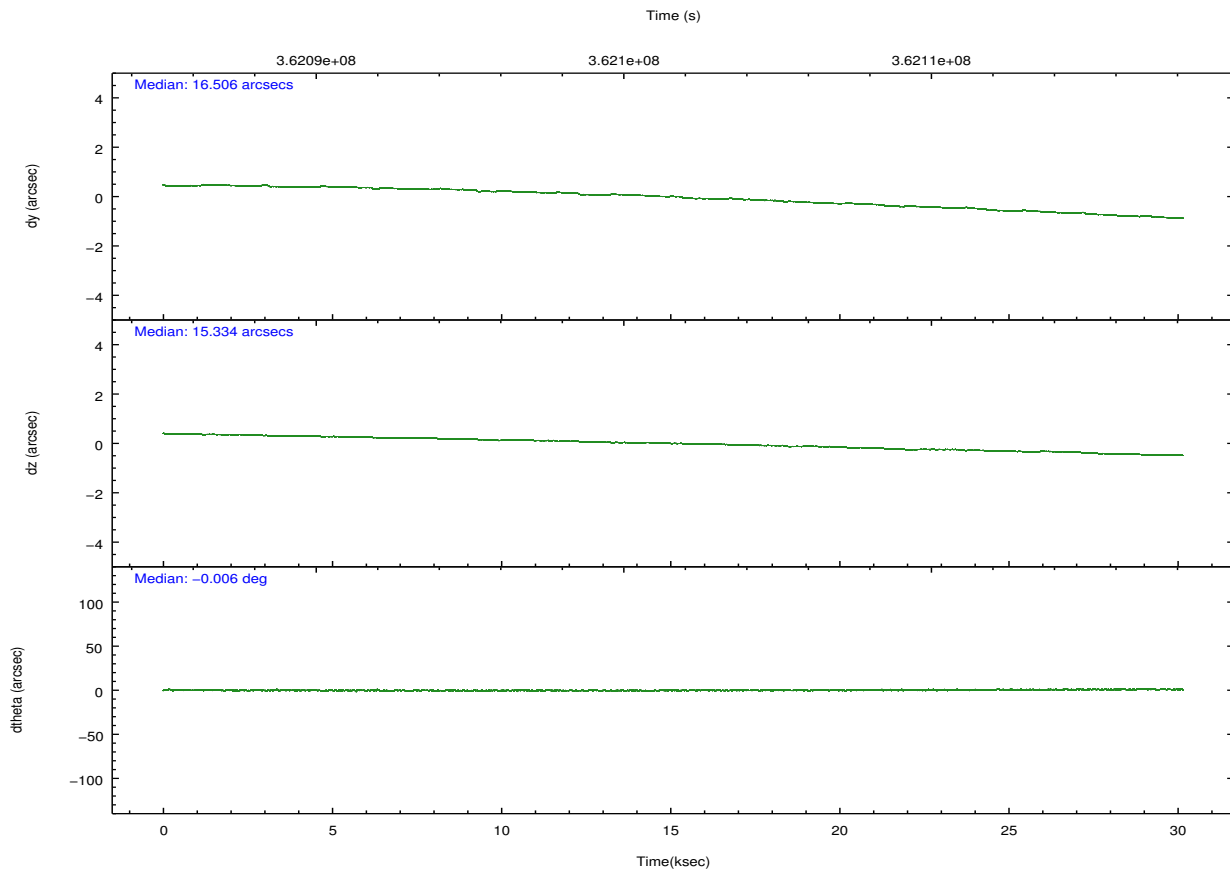
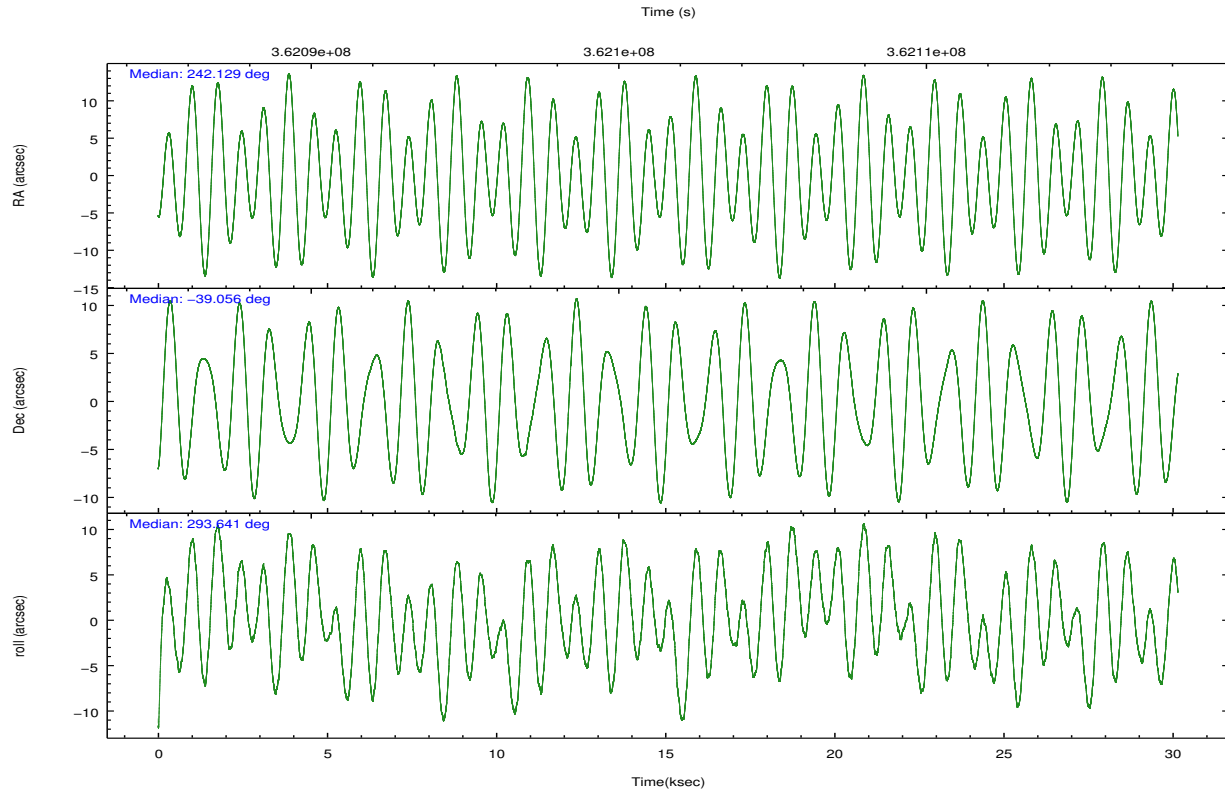
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	272742	251386	373274	273430	300745	328020	grade 0 events	9210	9166	23541	24261	13749	25820
rejected events	247010	226585	184419	228442	161799	244219		3%	3%	6%	8%	4%	7%
rejected %	90%	90%	49%	83%	53%	74%	grade 1 events	171	119	670	530	464	254
								0%	0%	0%	0%	0%	0%
							grade 2 events	6205	5338	56495	7732	28826	19140
								2%	2%	15%	2%	9%	5%
							grade 3 events	2717	2784	7251	3488	12659	8920
								0%	1%	1%	1%	4%	2%
							grade 4 events	2757	2696	6955	3344	12608	8194
								1%	1%	1%	1%	4%	2%
							grade 5 events	8747	10603	28854	10642	31118	15291
								3%	4%	7%	3%	10%	4%
							grade 6 events	4849	4821	94662	6175	71129	21734
								1%	1%	25%	2%	23%	6%
							grade 7 events	238086	215859	154846	217258	130192	228667
								87%	85%	41%	79%	43%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	242.100251	242.1288983137769	CCD I2 on	O1	Y
[deg] Pointing Dec	-39.039877	-39.05578438453538	CCD I3 on	O2	Y
[deg] Pointing Roll	293.473770	293.6484445253157	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	362087378.184000	362086032.3148	CCD S5 on	N	N
Observation start date	2009-06-22T19:48:32	2009-06-22T19:27:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	362116671.184000	362116895.57884	On-chip summing requested	N	N
Observation end date	2009-06-23T03:56:45	2009-06-23T04:01:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



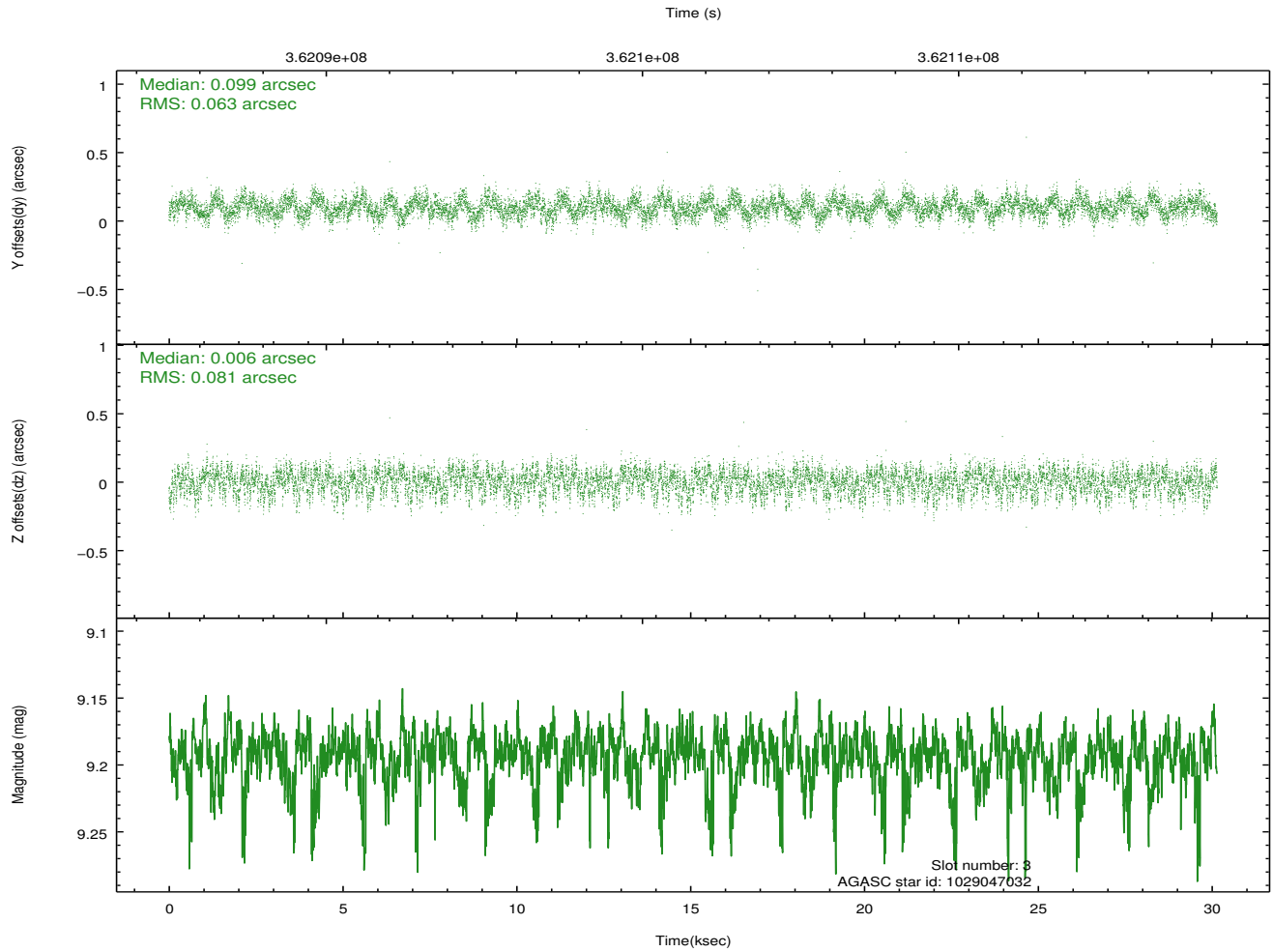
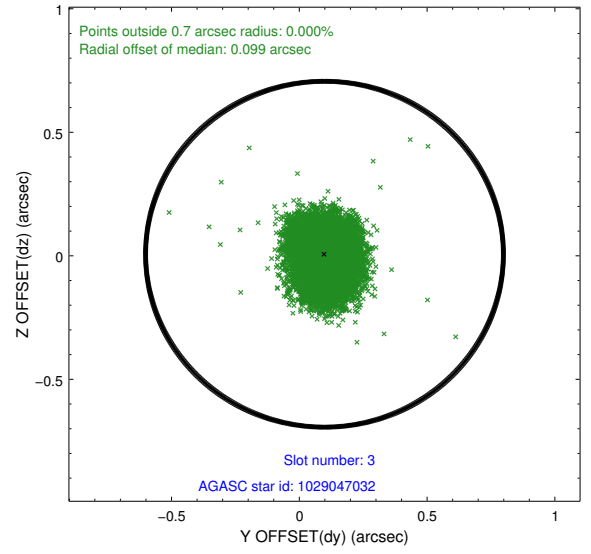
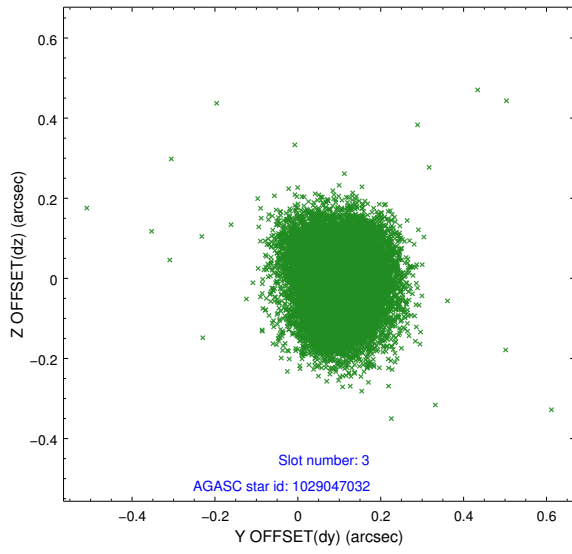


Slot Statistics

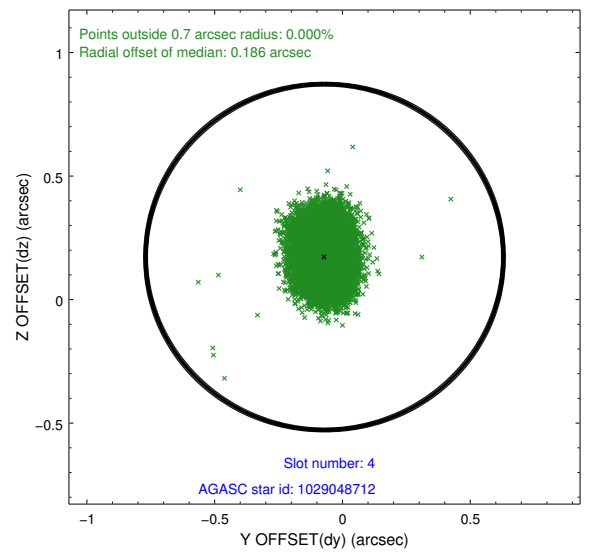
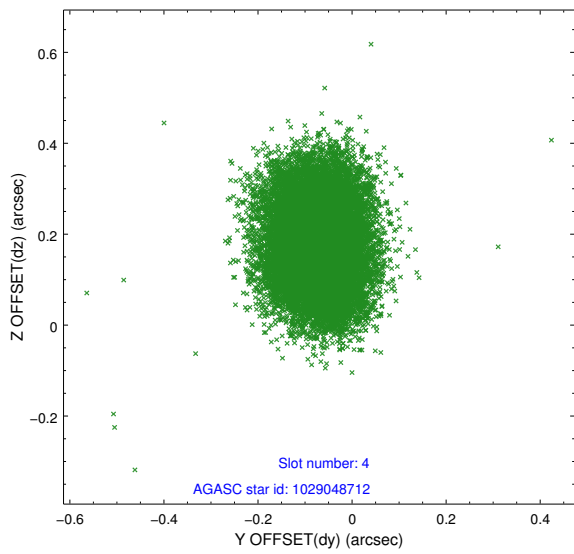
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.03	7354	0.029	-0.039	0.016	0.029	0.000000	0.000000	926.64	-1732.31
1	FID	ACIS-S-4	7.04	7354	0.132	0.018	0.010	0.016	0.000000	0.000000	2144.16	171.85
2	FID	ACIS-S-5	7.07	7353	-0.187	0.034	0.011	0.019	0.000000	0.000000	-1822.38	165.48
3	GUIDE	1029047032	9.19	14671	0.099	0.006	0.110	0.175	241.657214	-39.145122	-141.56	-1286.66
4	GUIDE	1029048712	9.25	14691	-0.070	0.172	0.112	0.181	241.237794	-38.954366	-1232.74	-2096.76
5	GUIDE	1029059360	8.27	14707	-0.112	-0.088	0.073	0.114	241.638388	-39.259513	216.02	-1497.23
6	GUIDE	1029179512	7.28	14709	-0.042	-0.125	0.056	0.089	242.579529	-38.325821	-1815.43	2264.02
7	GUIDE	1029580280	9.17	14671	0.127	0.032	0.100	0.162	242.322361	-39.646406	2249.12	-304.85

2.4 Star Slots

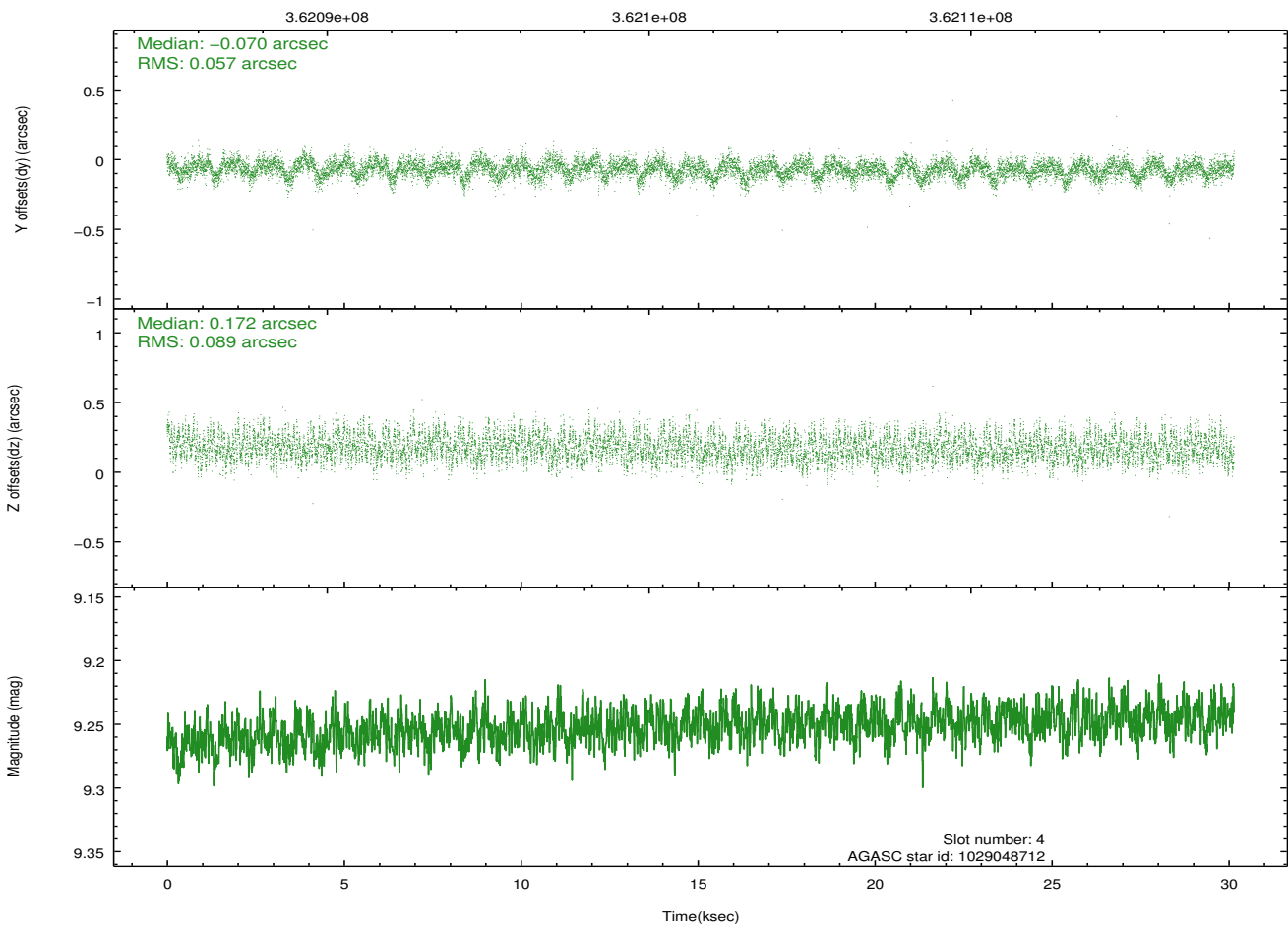
2.4.1 Slot 3



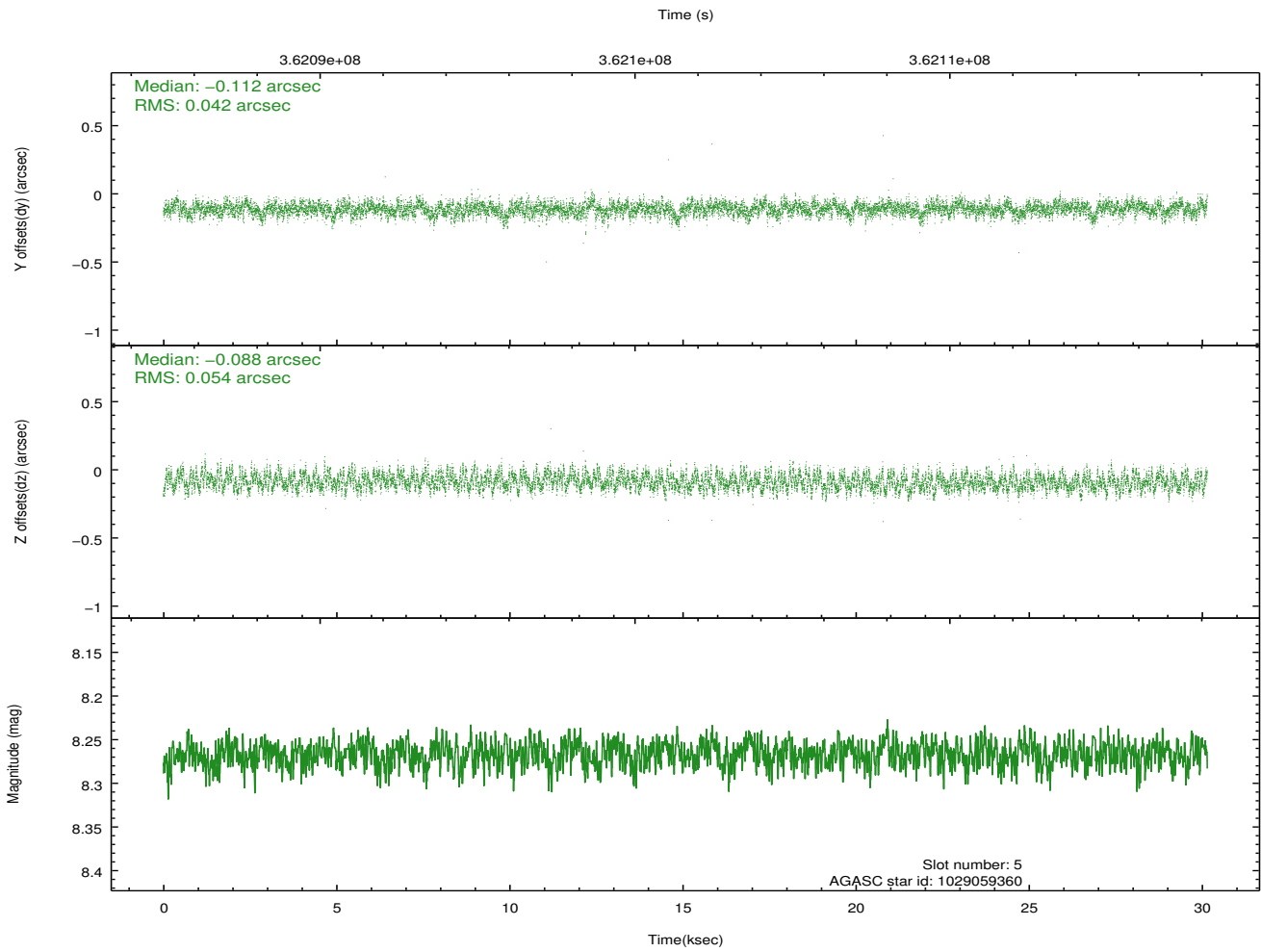
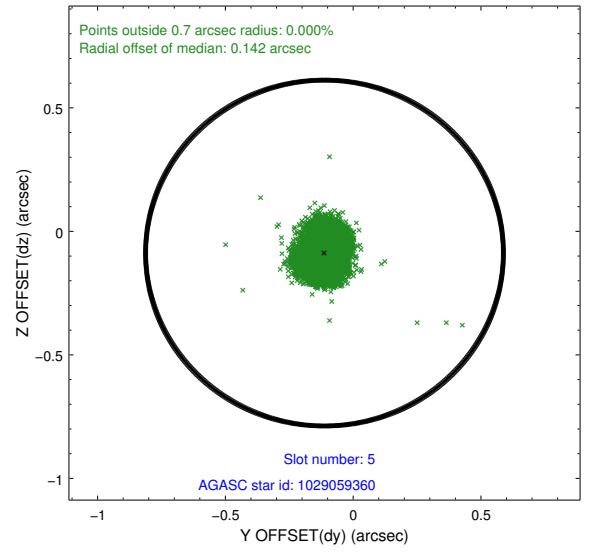
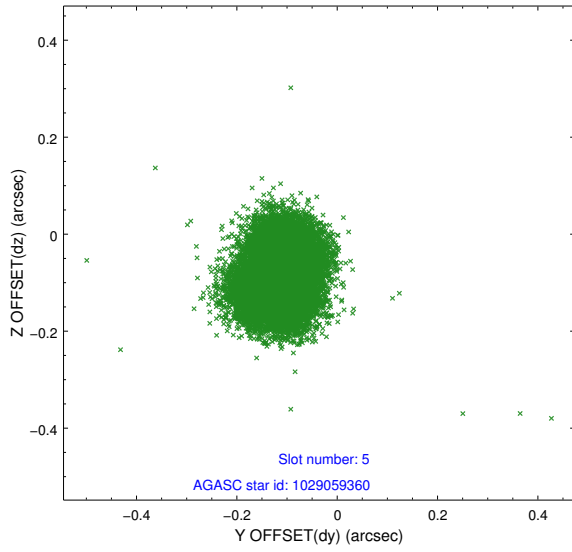
2.4.2 Slot 4



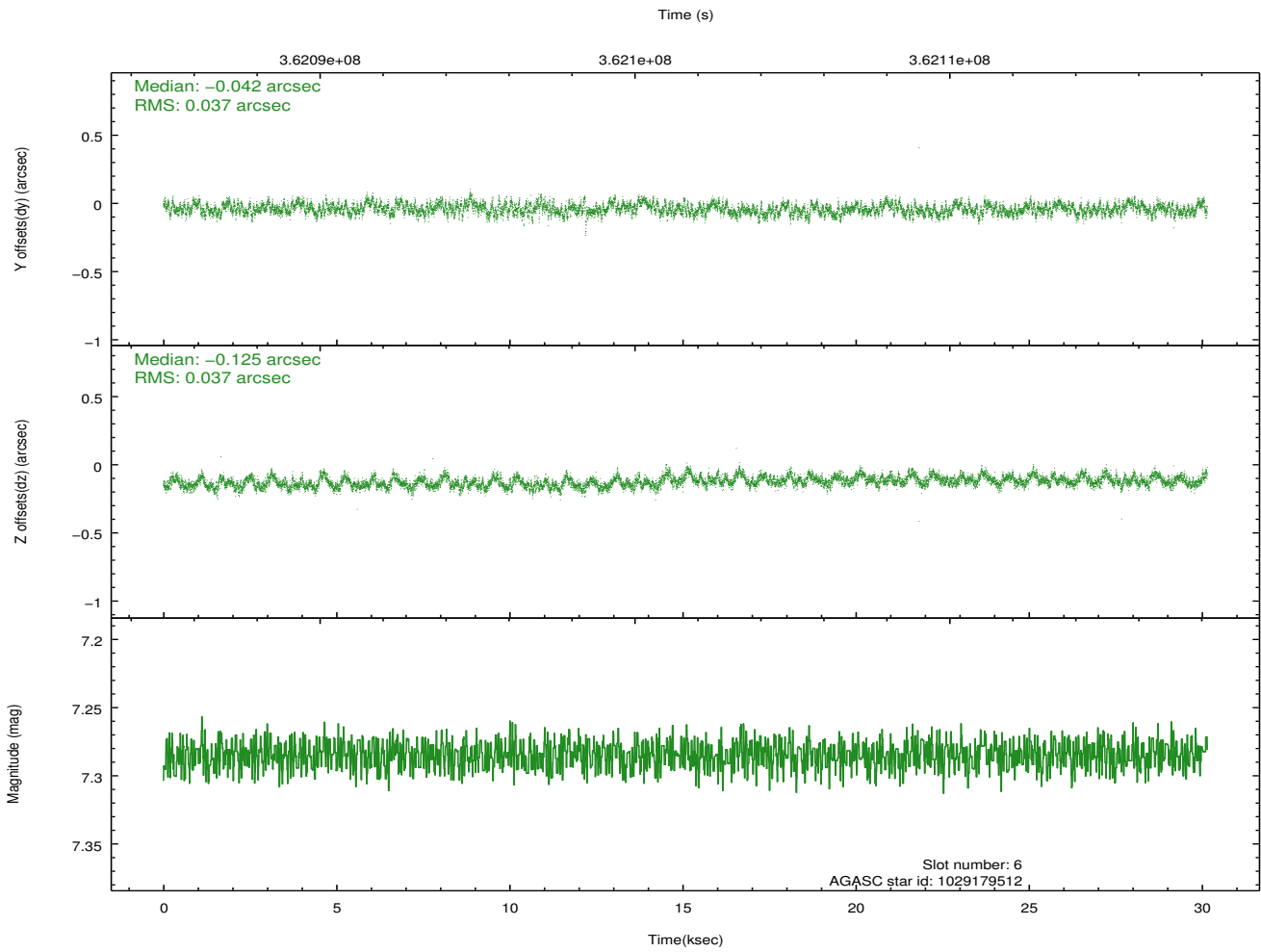
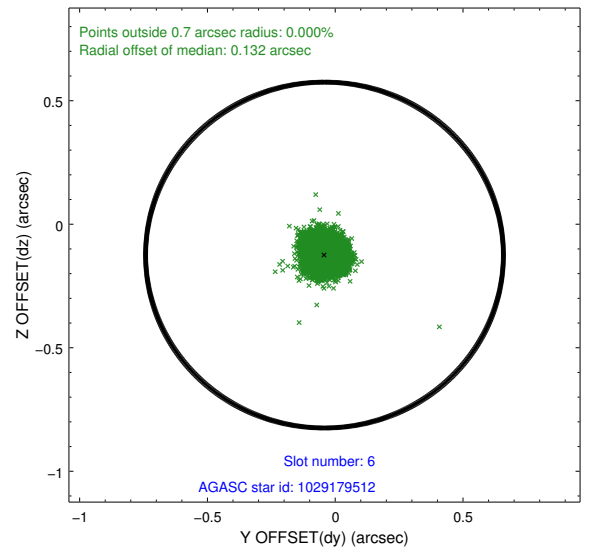
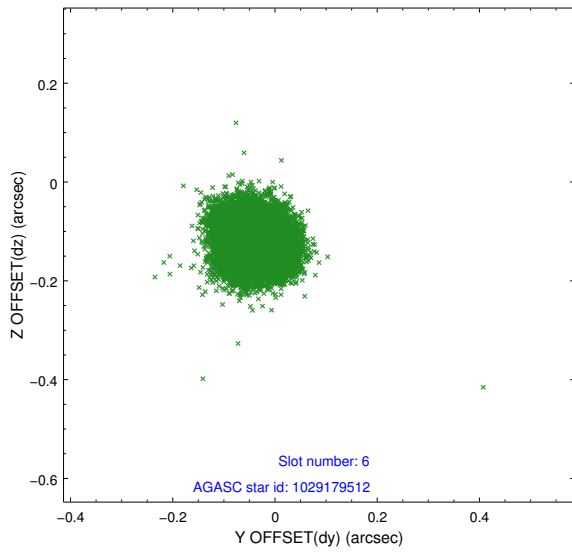
Time (s)



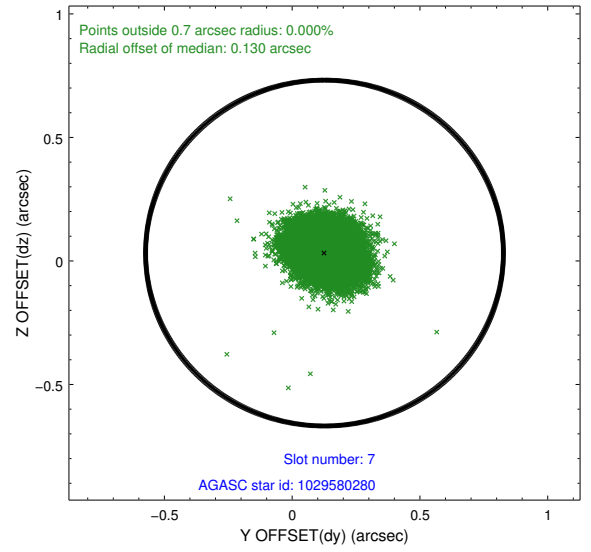
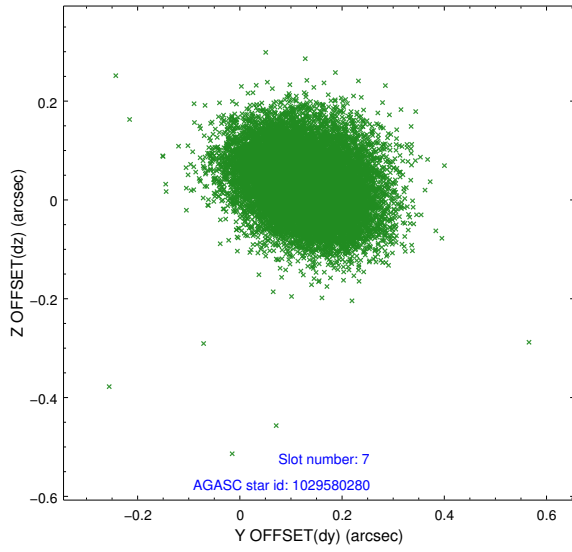
2.4.3 Slot 5



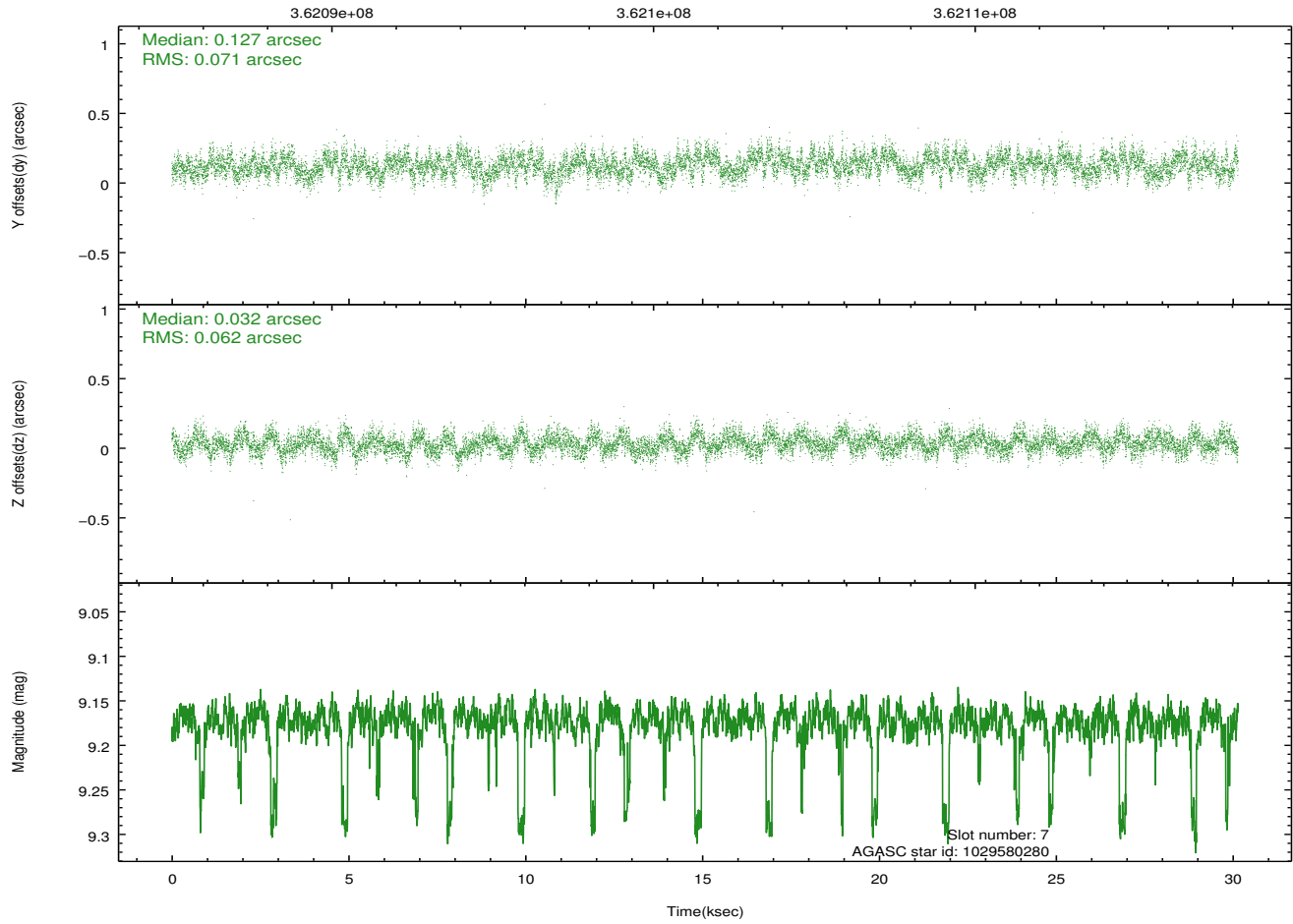
2.4.4 Slot 6



2.4.5 Slot 7

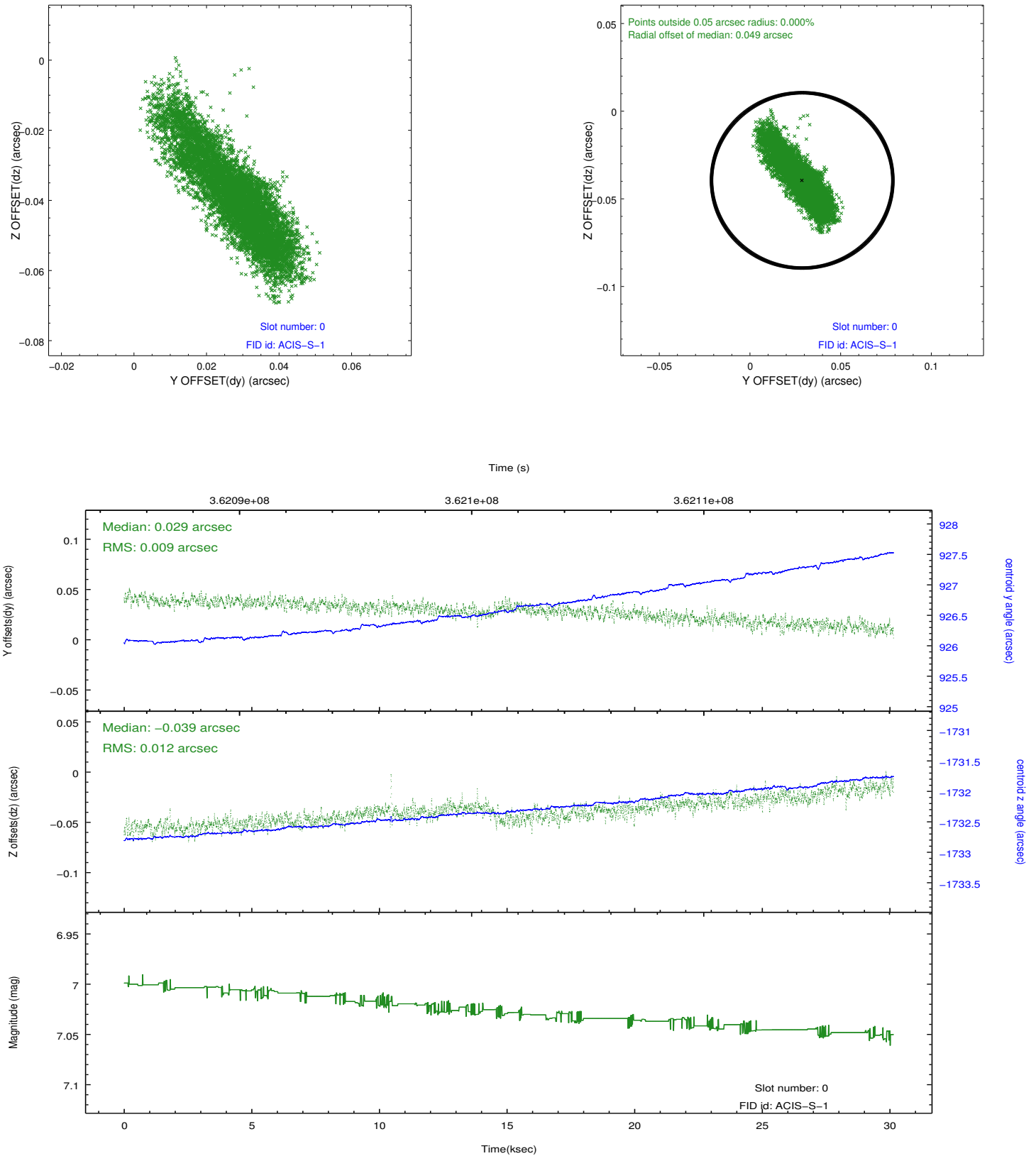


Time (s)

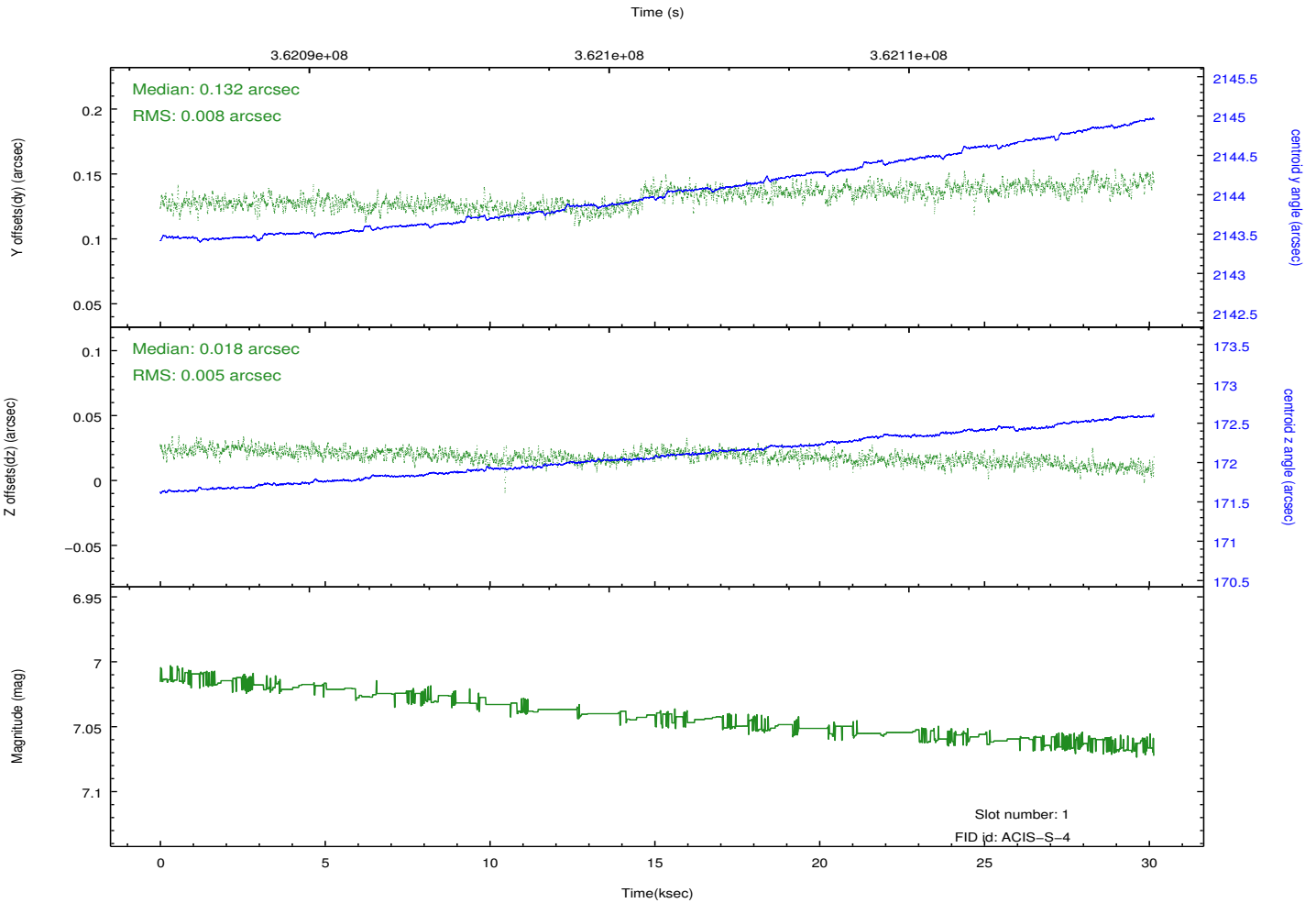
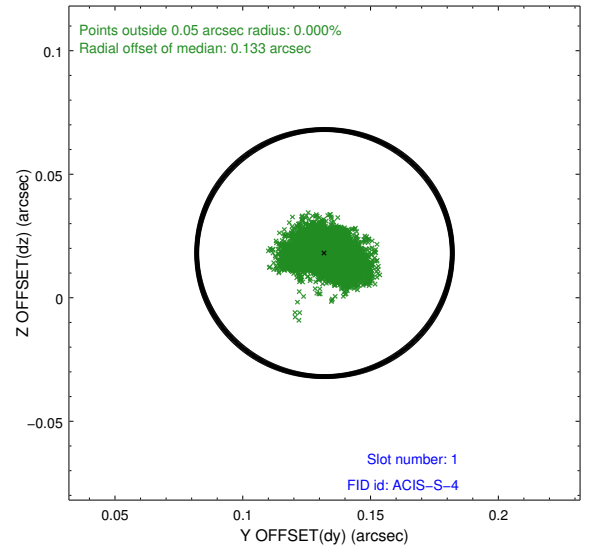
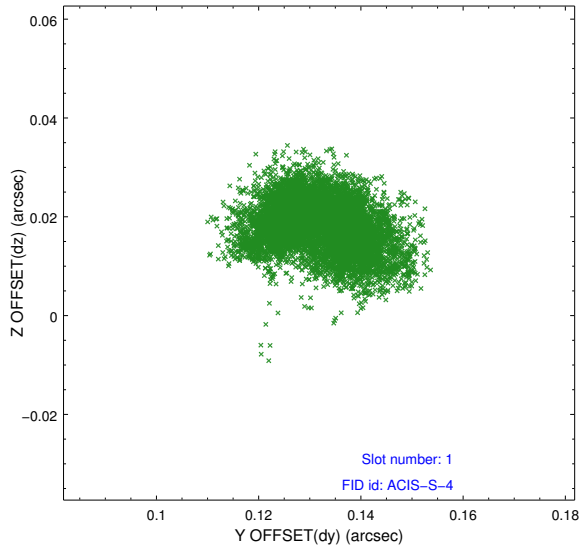


2.5 FID Slots

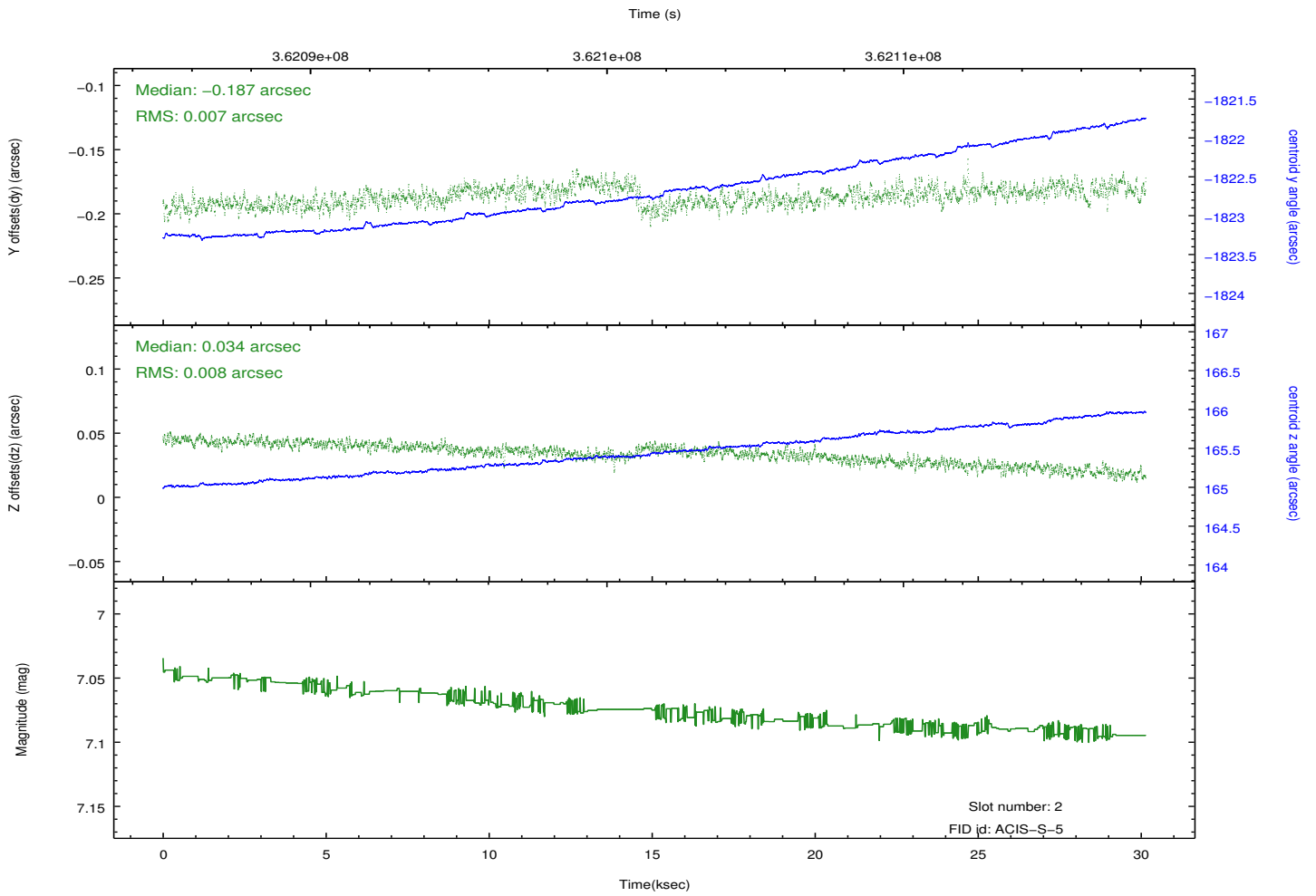
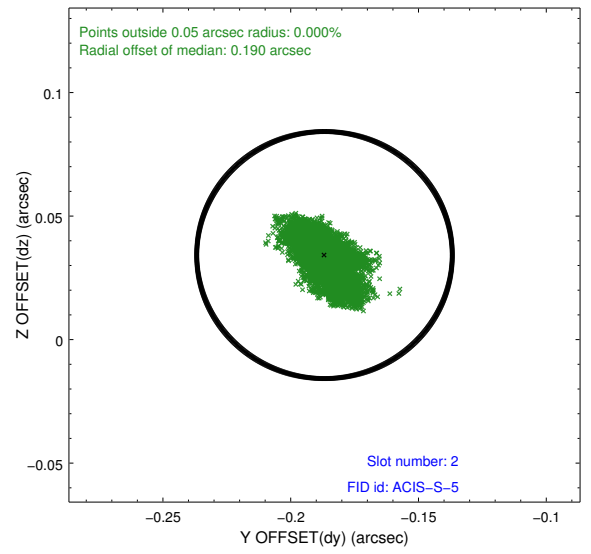
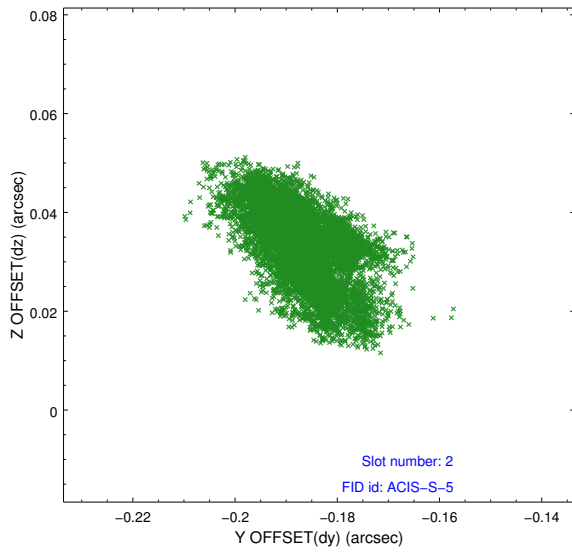
2.5.1 Slot 0



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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.3311998

A.2 Comments