

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12062 - L2 Version 2
Chandra X-Ray Center

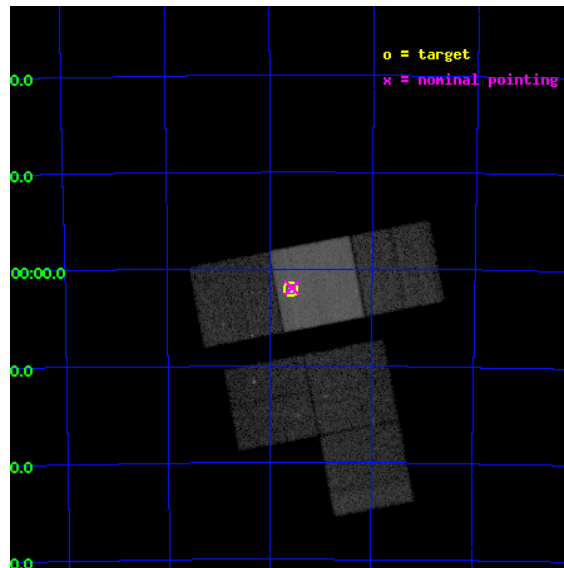
L2 Processing Date : Jun 18 2012

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1 Front

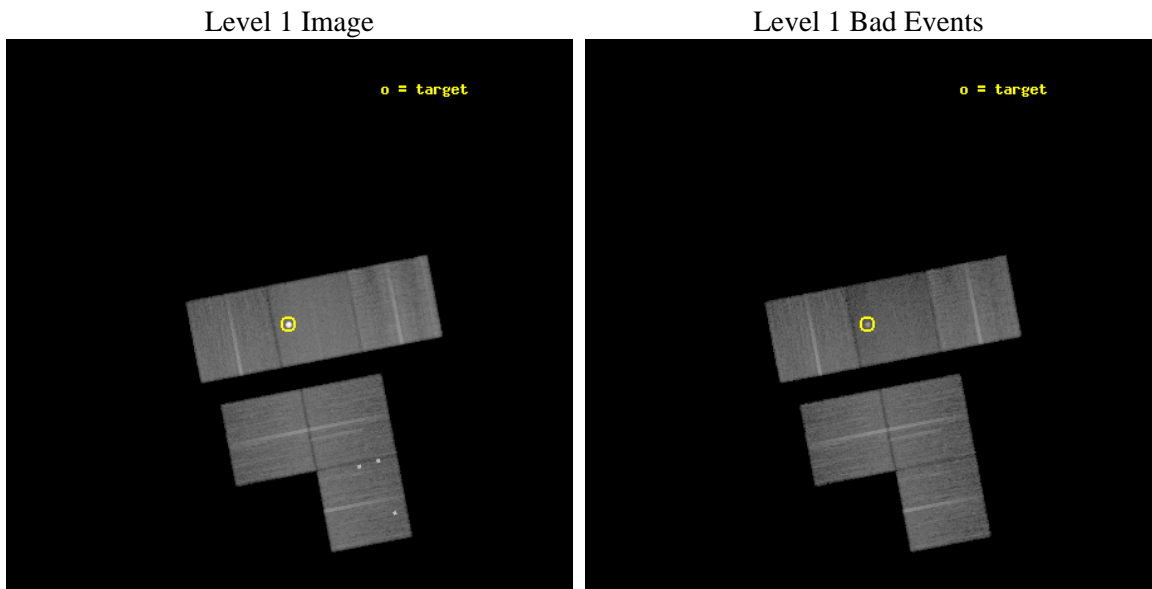
seq_num	501326	Sequence number
obs_id	12062	Observation id
title	The Proper Motion of SNR E0519-69.0	Proposal title
observer	Prof. John Hughes	Principal investigator
object	SNR E0519-69.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.895417	Observer's specified target RA [deg]
dec_targ	-69.035278	Observer's specified target Dec [deg]
ra_nom	79.892080242942	Nominal RA [deg]
dec_nom	-69.032440713098	Nominal Dec [deg]
roll_nom	349.15350224292	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21171.199921191	Sum of GTIs [s]
livetime	20903.117440022	Livetime [s]
ontime1	21167.95893085	Sum of GTIs [s]
ontime2	21167.958920956	Sum of GTIs [s]
ontime3	21171.199921191	Sum of GTIs [s]
ontime6	21167.959050357	Sum of GTIs [s]
ontime7	21171.199921191	Sum of GTIs [s]
ontime8	21161.476890266	Sum of GTIs [s]
l2events	267789	Number of level 2 events



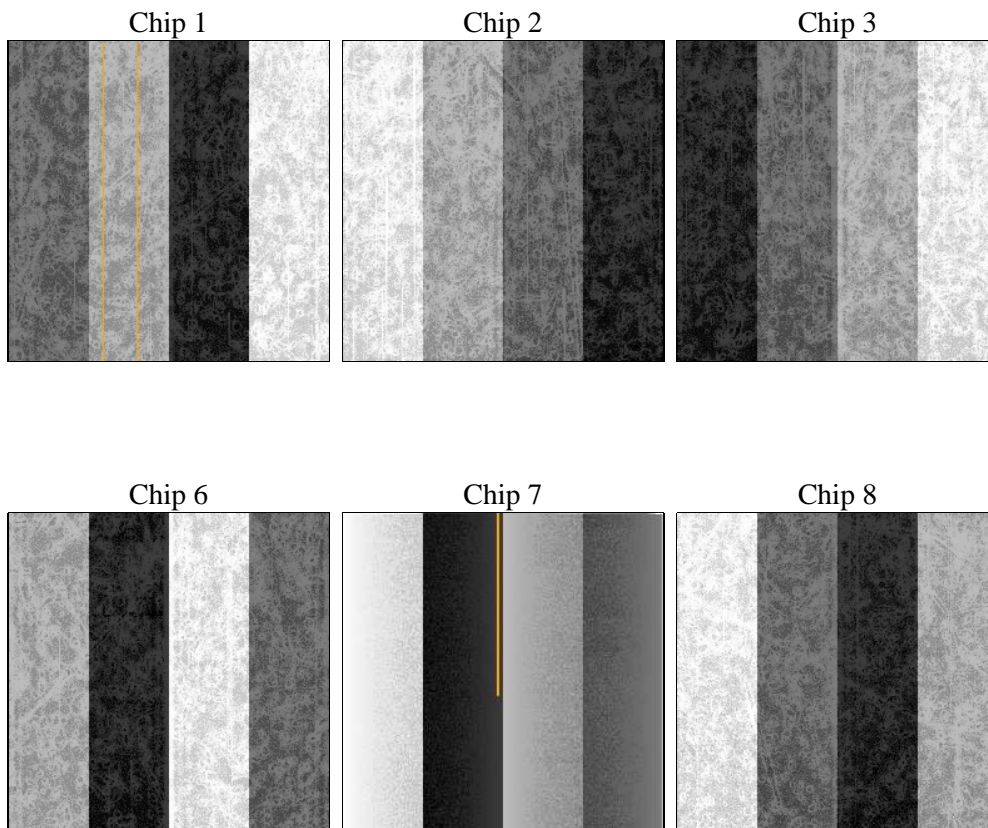
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	21171.199921191	Sum of GTIs [s]
caldbver	4.4.10	 	ontime1	21167.95893085	Sum of GTIs [s]
date	2012-06-18T19:36:14	Date and time of file creation	ontime2	21167.958920956	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	21171.199921191	Sum of GTIs [s]
			ontime6	21167.959050357	Sum of GTIs [s]
			ontime7	21171.199921191	Sum of GTIs [s]
			ontime8	21161.476890266	Sum of GTIs [s]
			l1events	1281233	Number of level 1 events

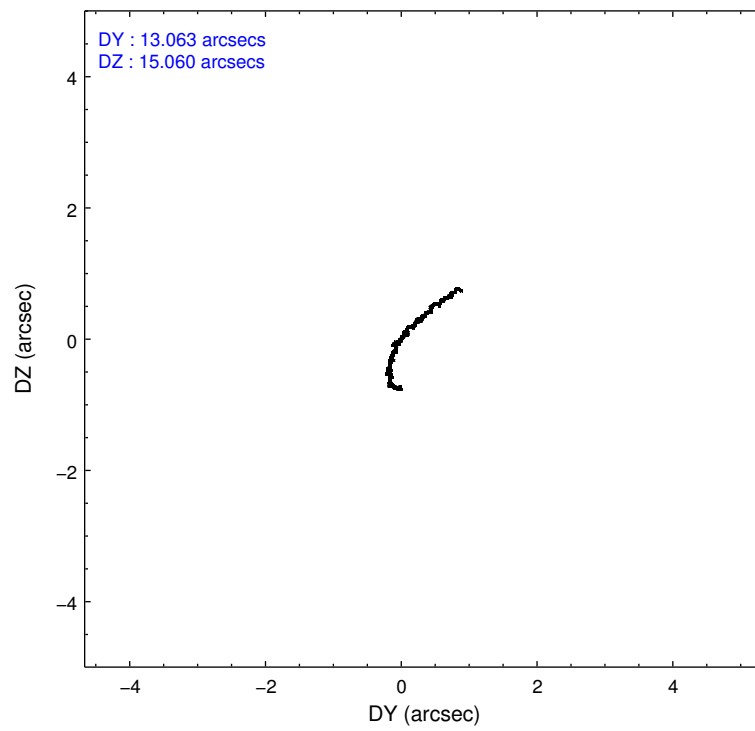
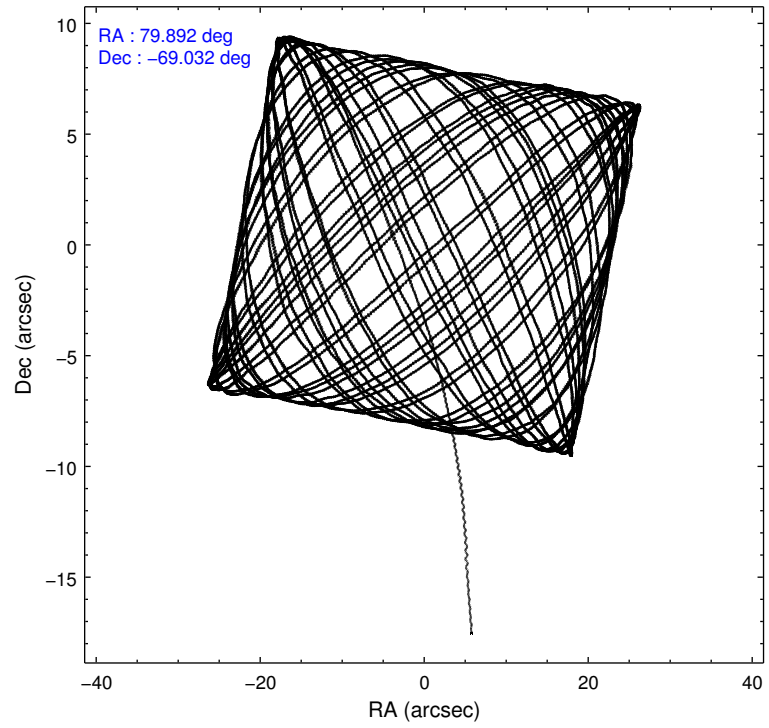
2.1.4 Events

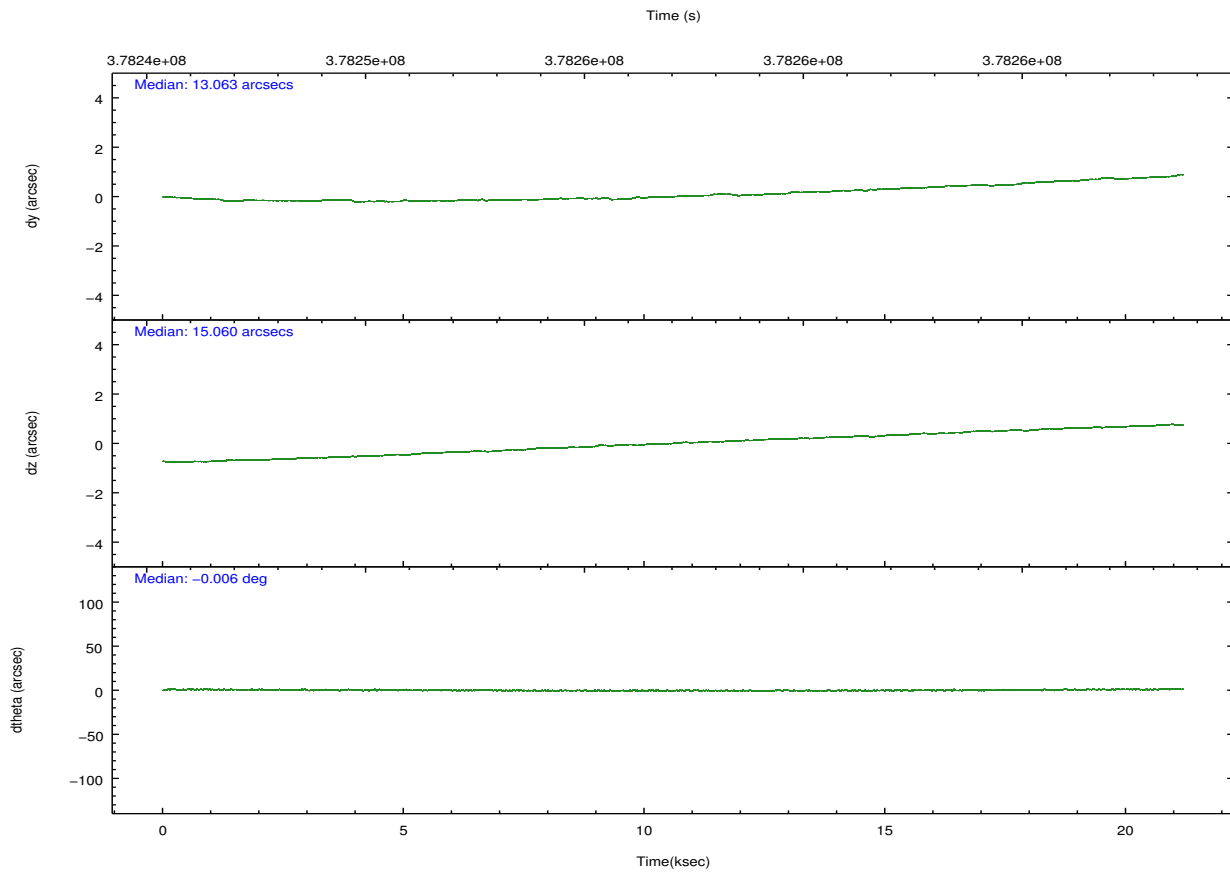
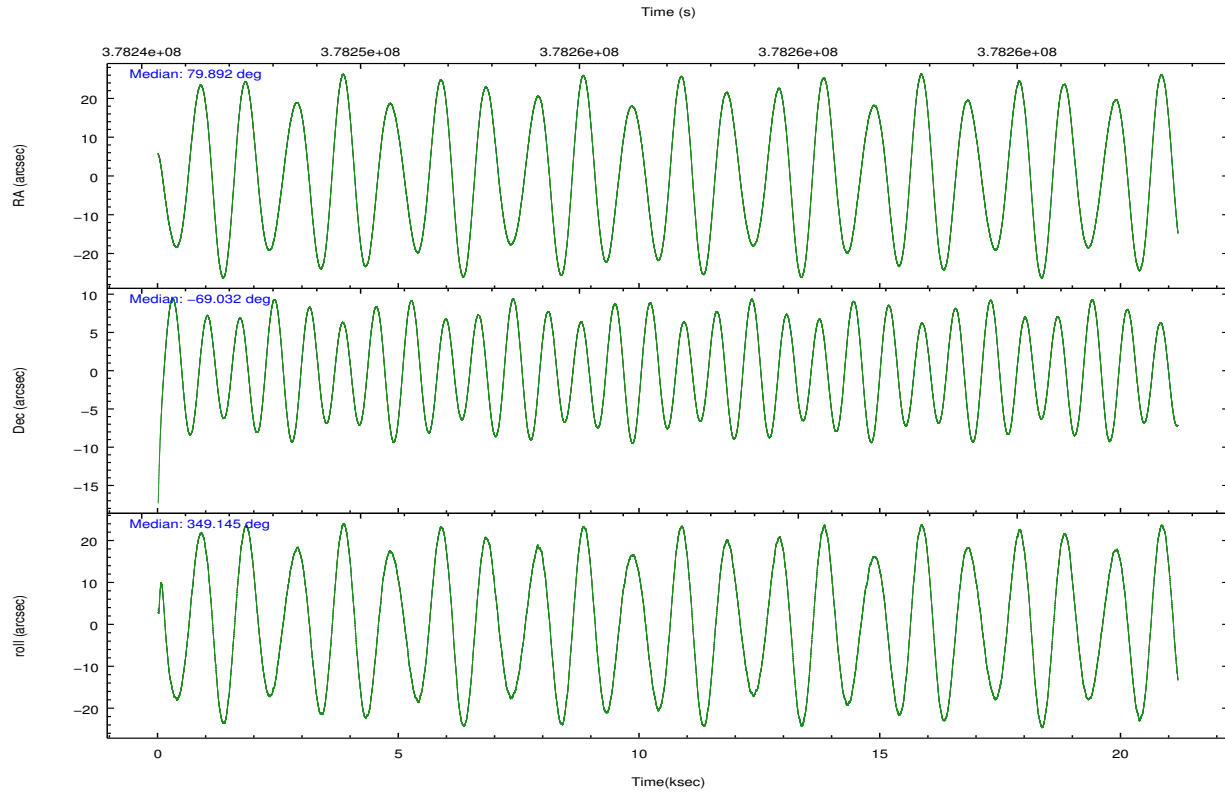
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	197618	183988	178751	189408	296648	234820	grade 0 events	20664	7522	7187	8415	34445	18612
rejected events	156307	164895	160156	168310	117113	174272		10%	4%	4%	4%	11%	7%
rejected %	79%	89%	89%	88%	39%	74%	grade 1 events	158	106	111	102	665	211
								0%	0%	0%	0%	0%	0%
							grade 2 events	11763	4388	3924	4421	43106	13707
								5%	2%	2%	2%	14%	5%
							grade 3 events	2230	1961	1956	2067	19080	6384
								1%	1%	1%	1%	6%	2%
							grade 4 events	2188	1953	1966	2091	18342	5993
								1%	1%	1%	1%	6%	2%
							grade 5 events	7694	6223	7483	7639	23157	11157
								3%	3%	4%	4%	7%	4%
							grade 6 events	4471	3272	3564	4111	64579	15878
								2%	1%	1%	2%	21%	6%
							grade 7 events	148450	158563	152560	160562	93274	162878
								75%	86%	85%	84%	31%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	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	O2	Y
[deg] Pointing RA	79.820214	79.8920802429418	CCD I2 on	Y	Y
[deg] Pointing Dec	-69.041733	-69.03244071309835	CCD I3 on	Y	Y
[deg] Pointing Roll	348.929771	349.1535022429231	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	Y	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	O1	Y
[s] Observation start time (MET)	378246625.184000	378245495.86416	CCD S5 on	N	N
Observation start date	2009-12-26T20:29:19	2009-12-26T20:11:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	378267625.184000	378268398.97782	On-chip summing requested	N	N
Observation end date	2009-12-27T02:19:19	2009-12-27T02:33:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



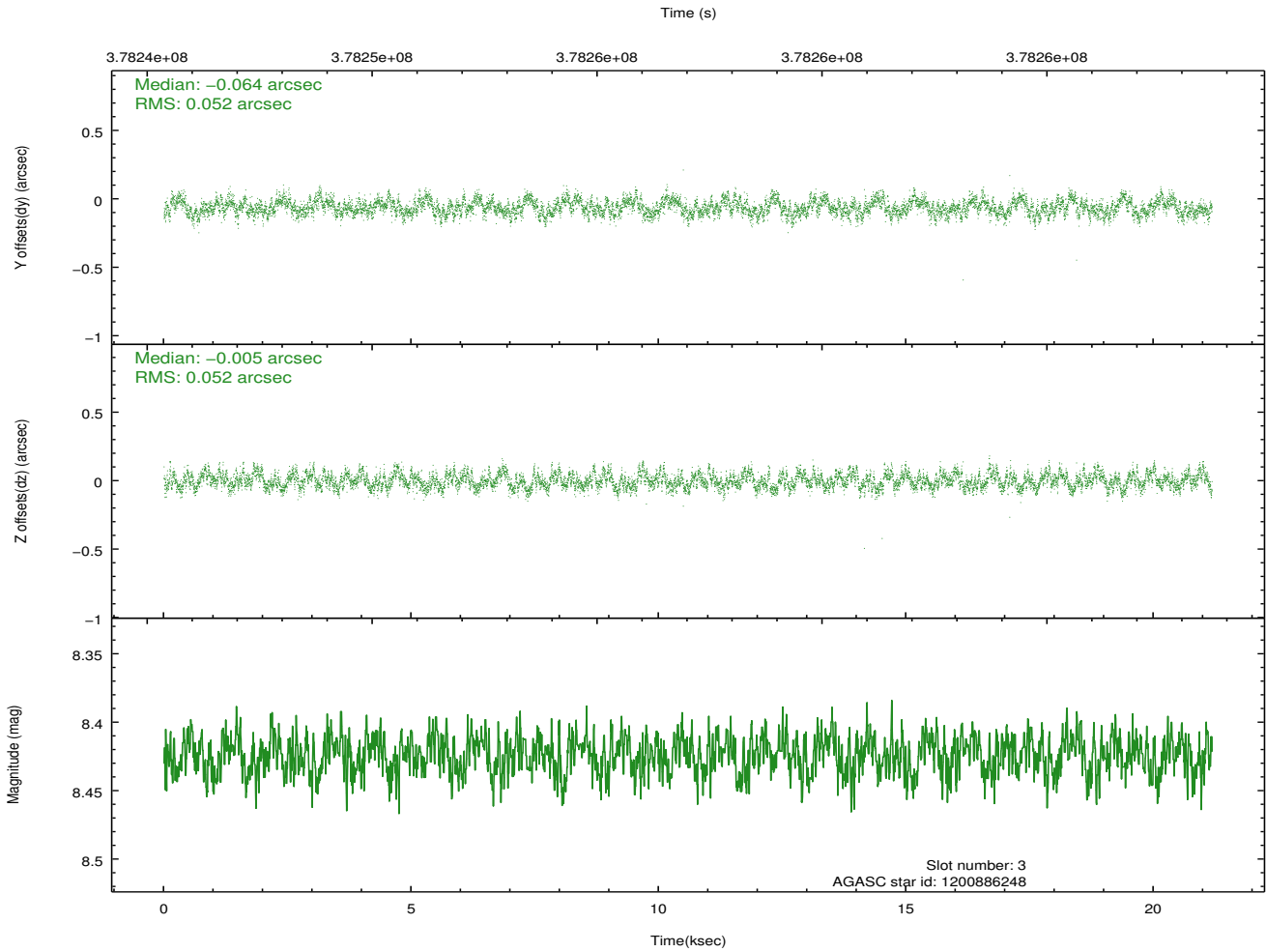
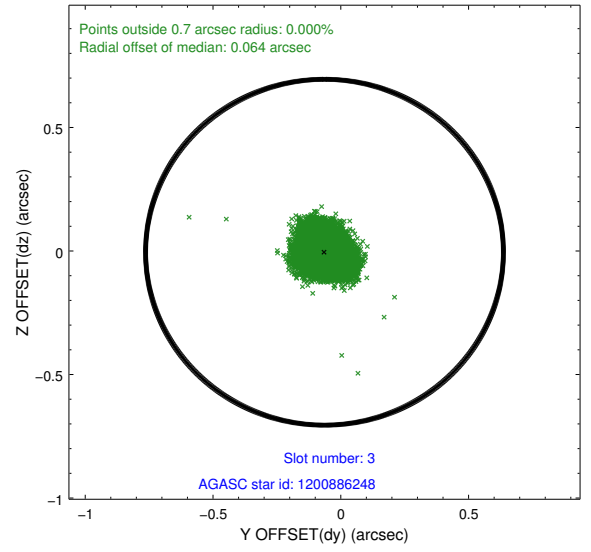
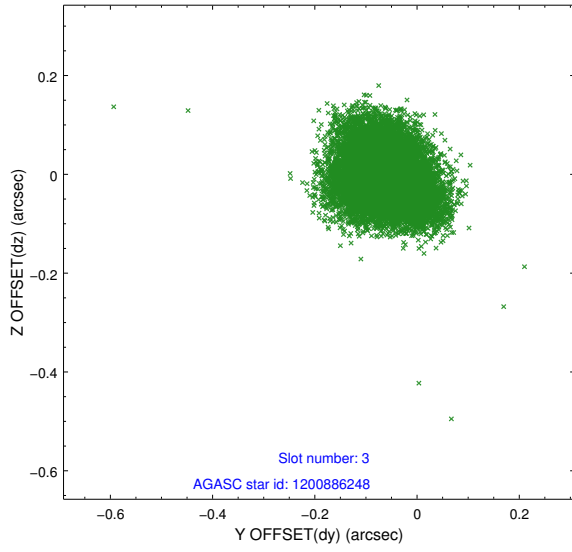


Slot Statistics

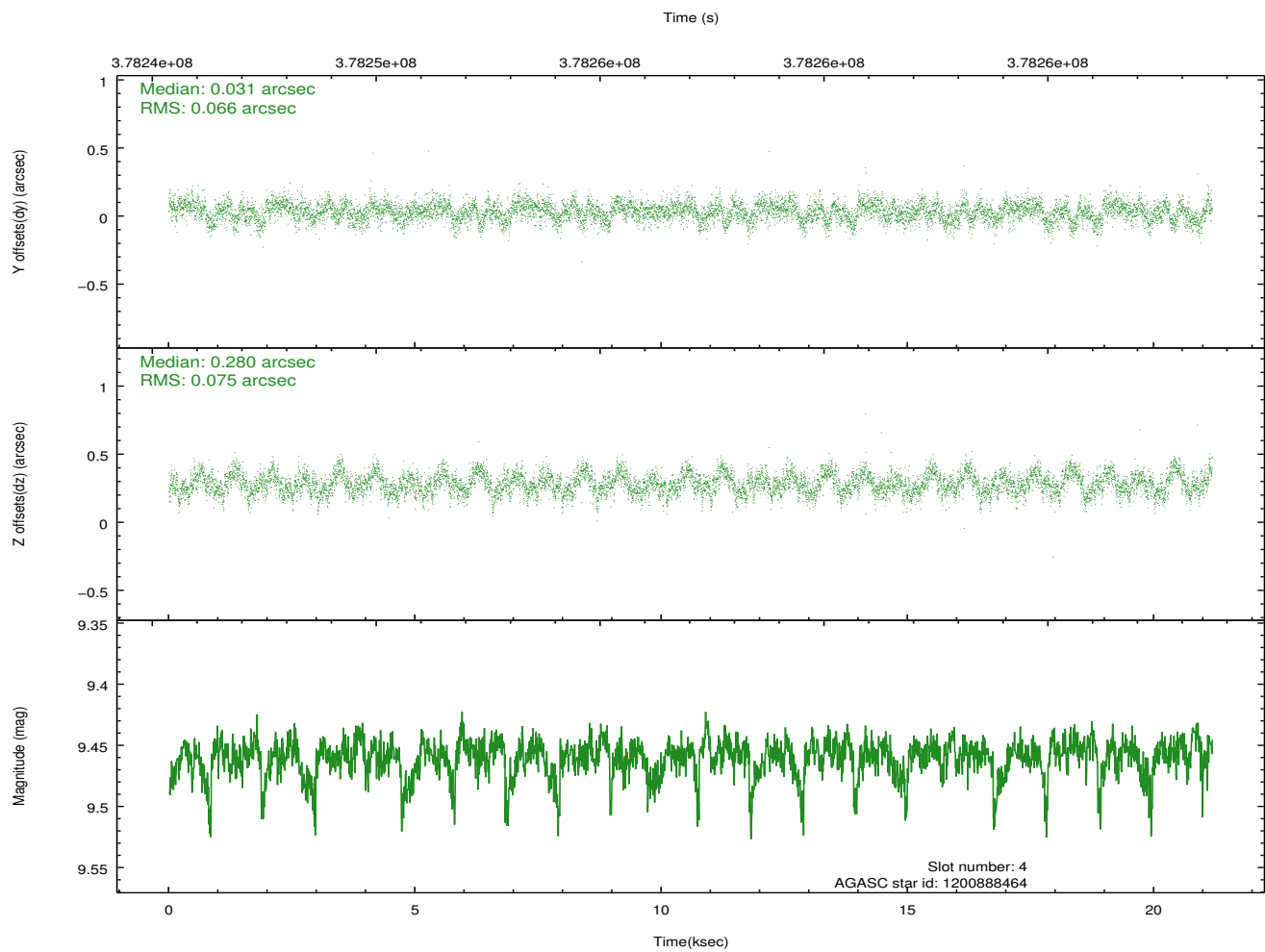
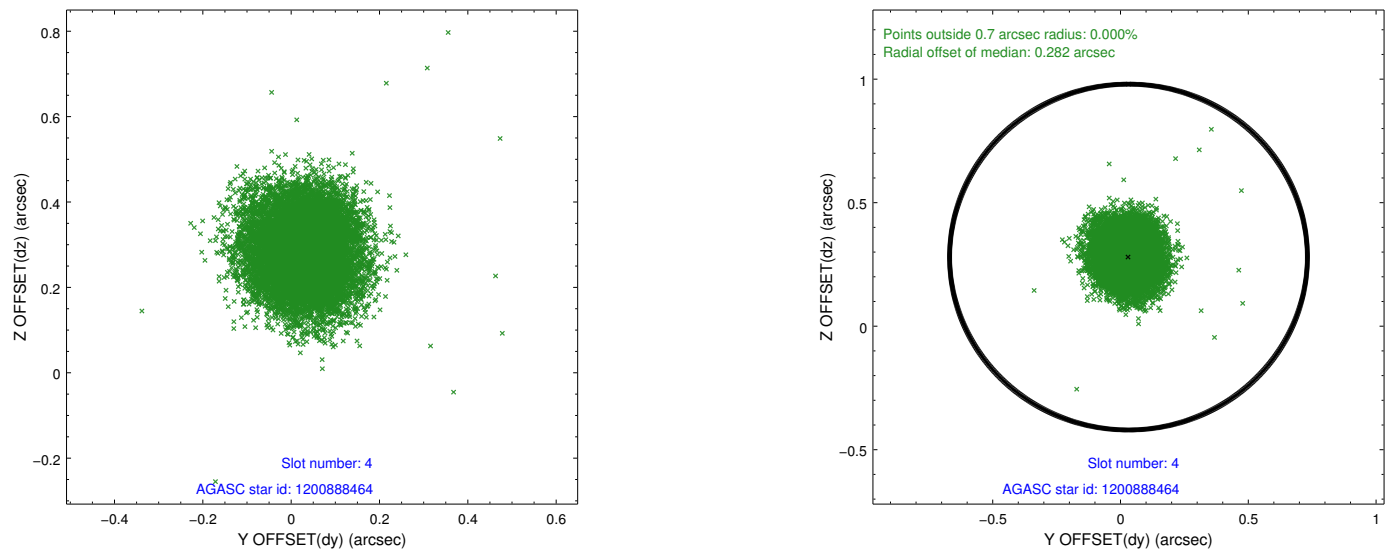
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	5166	0.037	-0.029	0.022	0.042	0.000000	0.000000	929.98	-1732.09
1	FID	ACIS-S-4	6.97	5166	0.132	0.008	0.020	0.039	0.000000	0.000000	2147.55	171.96
2	FID	ACIS-S-5	7.00	5166	-0.196	0.034	0.014	0.037	0.000000	0.000000	-1818.94	165.71
3	GUIDE	1200886248	8.42	10326	-0.064	-0.005	0.079	0.123	79.513576	-68.465750	-795.59	1956.34
4	GUIDE	1200888464	9.46	10313	0.031	0.280	0.106	0.167	78.430687	-69.005633	-1779.39	-235.97
5	GUIDE	1201280984	7.02	10332	-0.083	-0.227	0.063	0.097	77.867422	-69.546090	-2054.06	-2292.28
6	GUIDE	1201409312	9.23	10326	0.000	-0.053	0.094	0.154	80.915231	-69.503059	1676.15	-1376.56
7	GUIDE	1201411288	9.24	10326	0.116	0.001	0.114	0.185	81.410076	-69.595403	2346.57	-1597.53

2.4 Star Slots

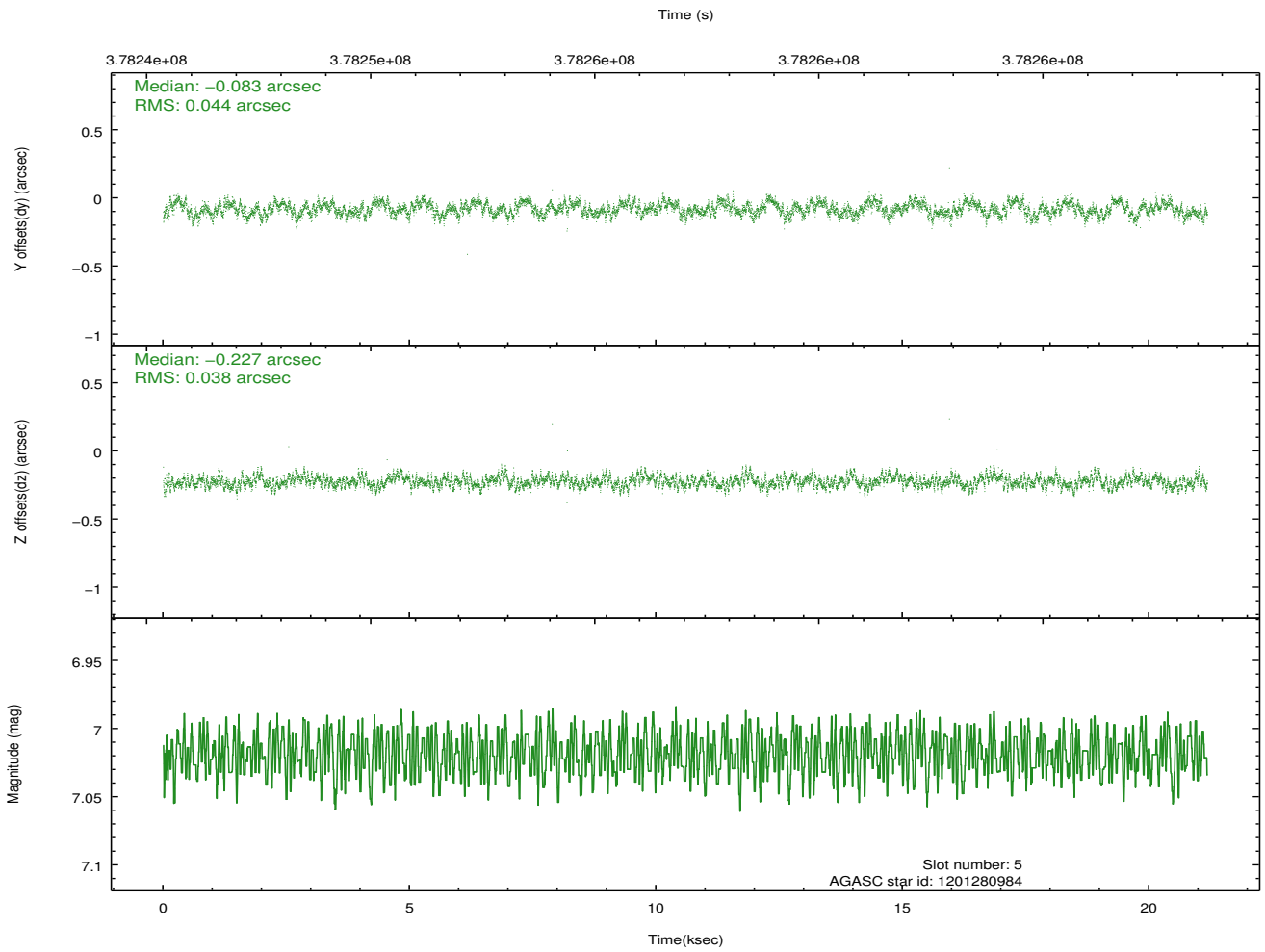
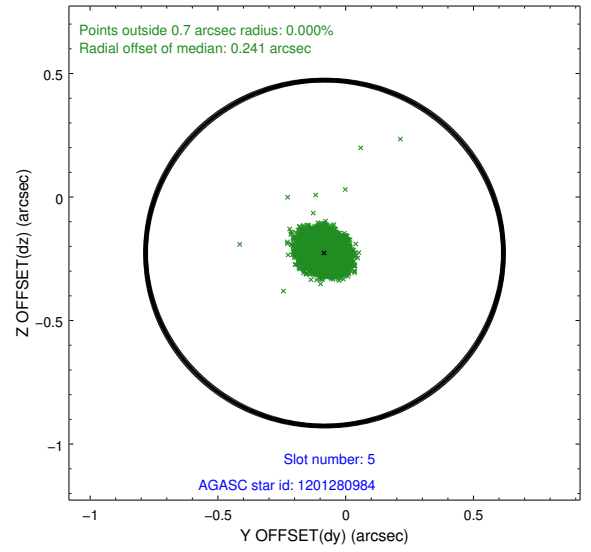
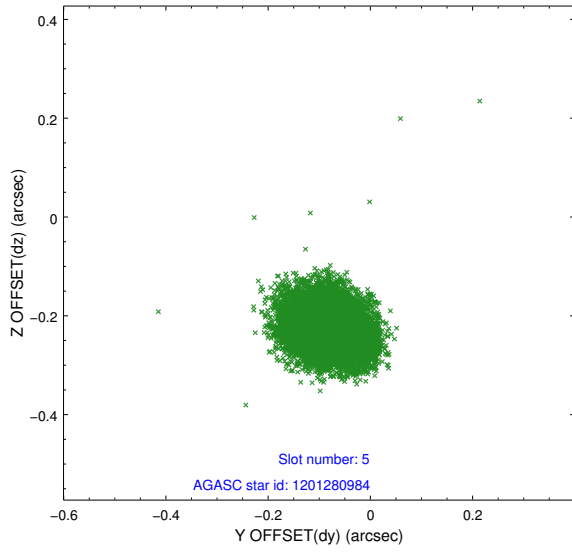
2.4.1 Slot 3



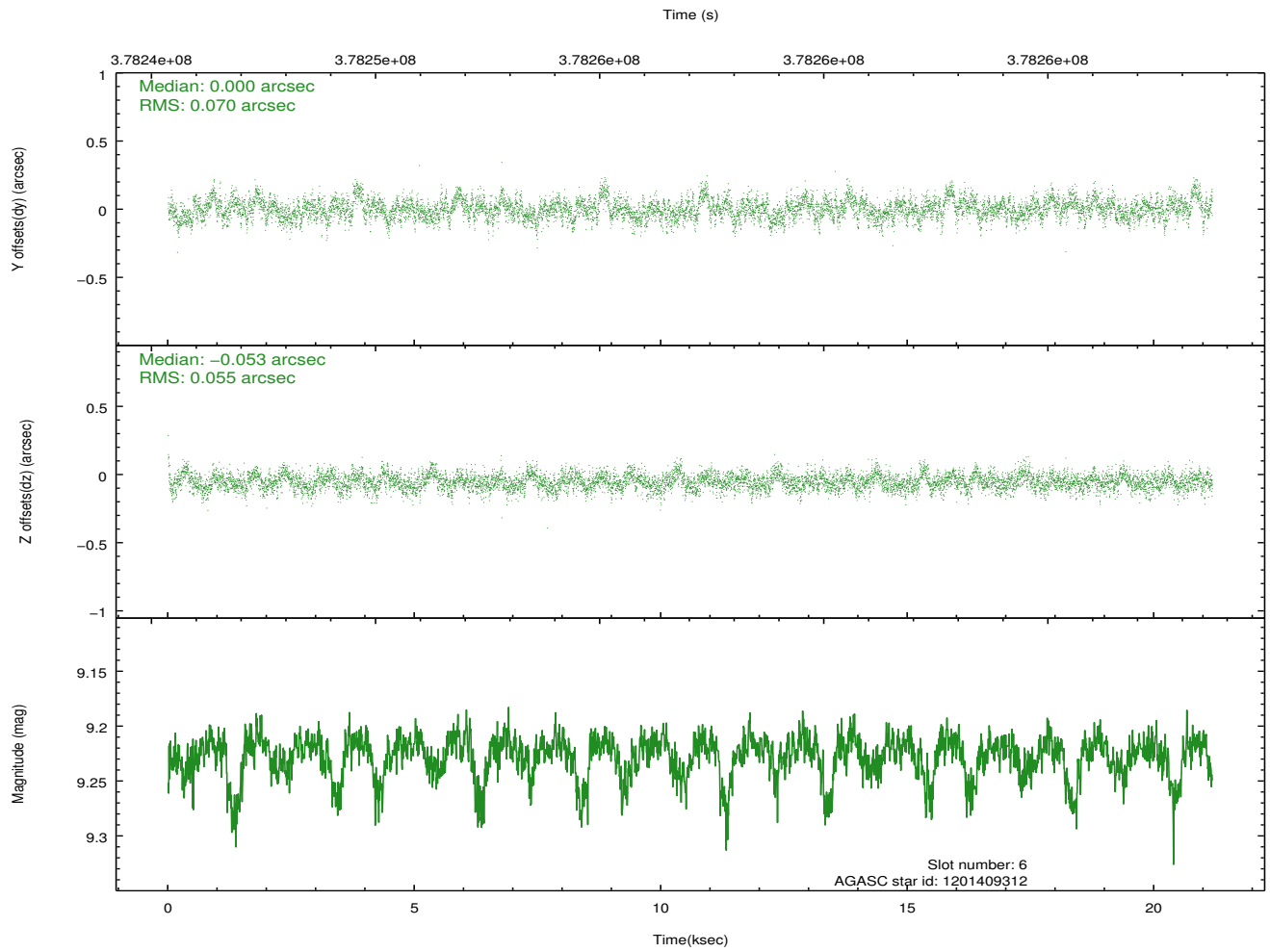
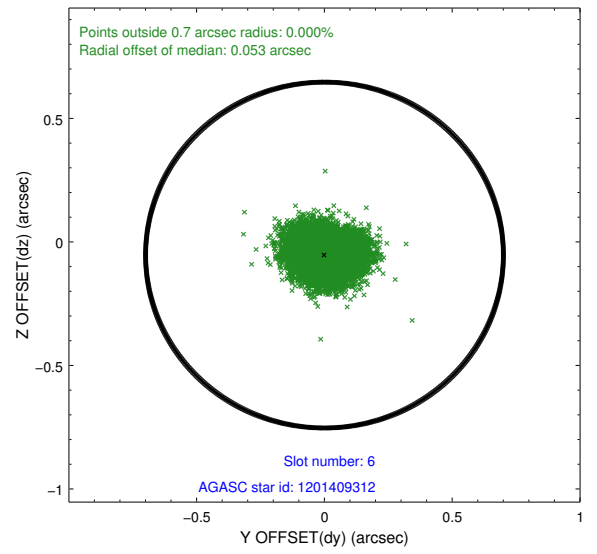
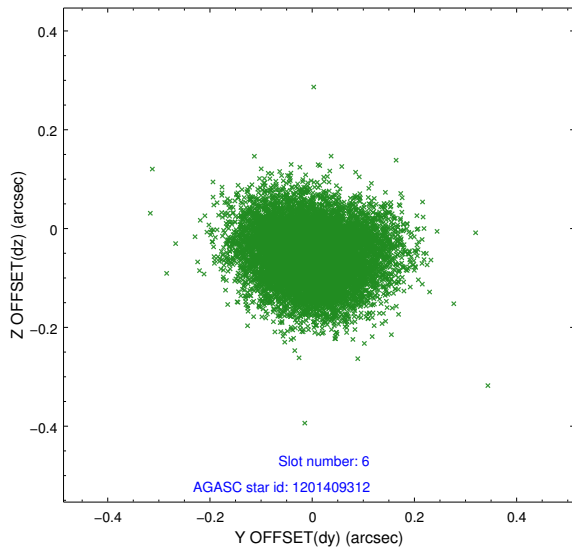
2.4.2 Slot 4



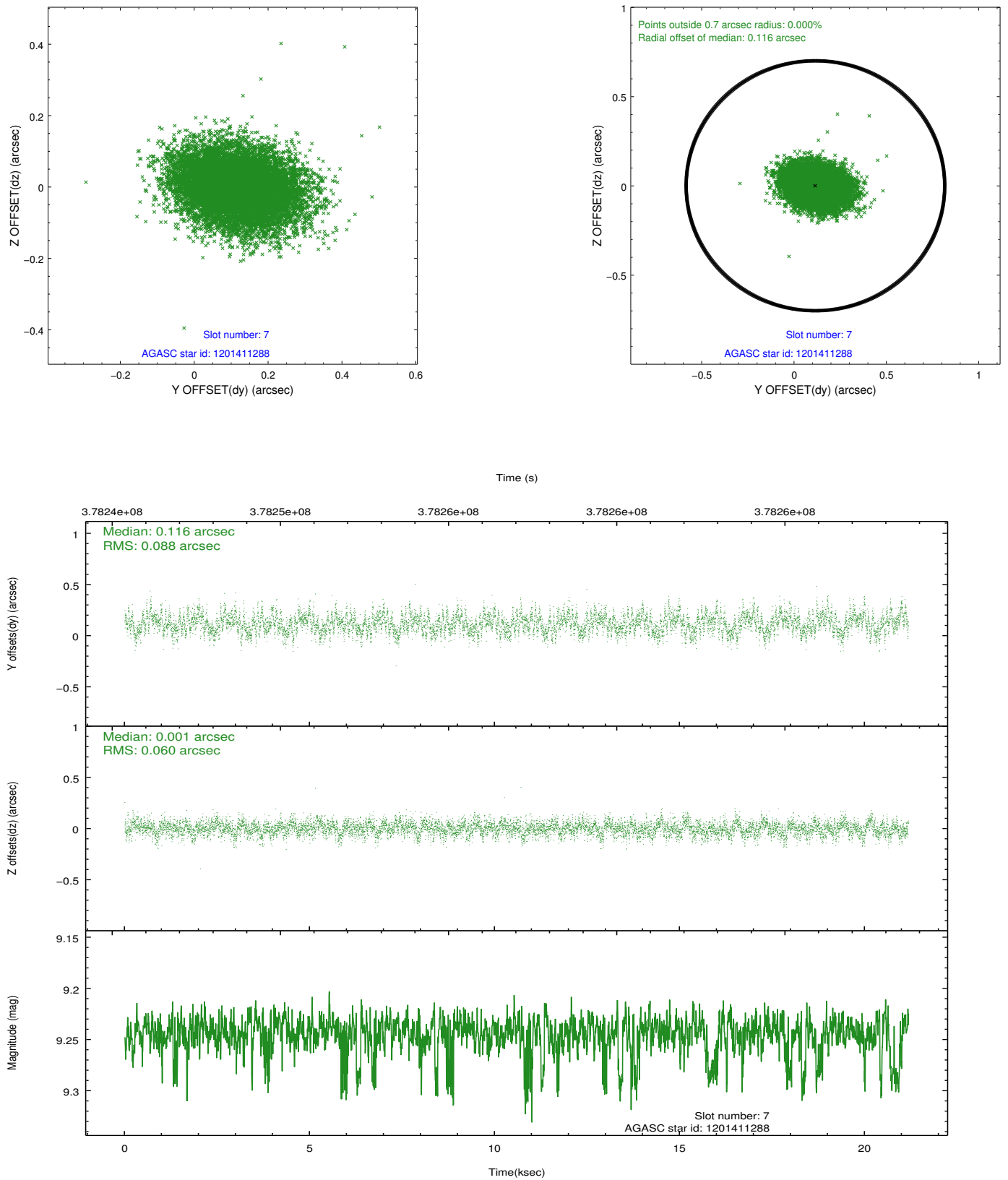
2.4.3 Slot 5



2.4.4 Slot 6

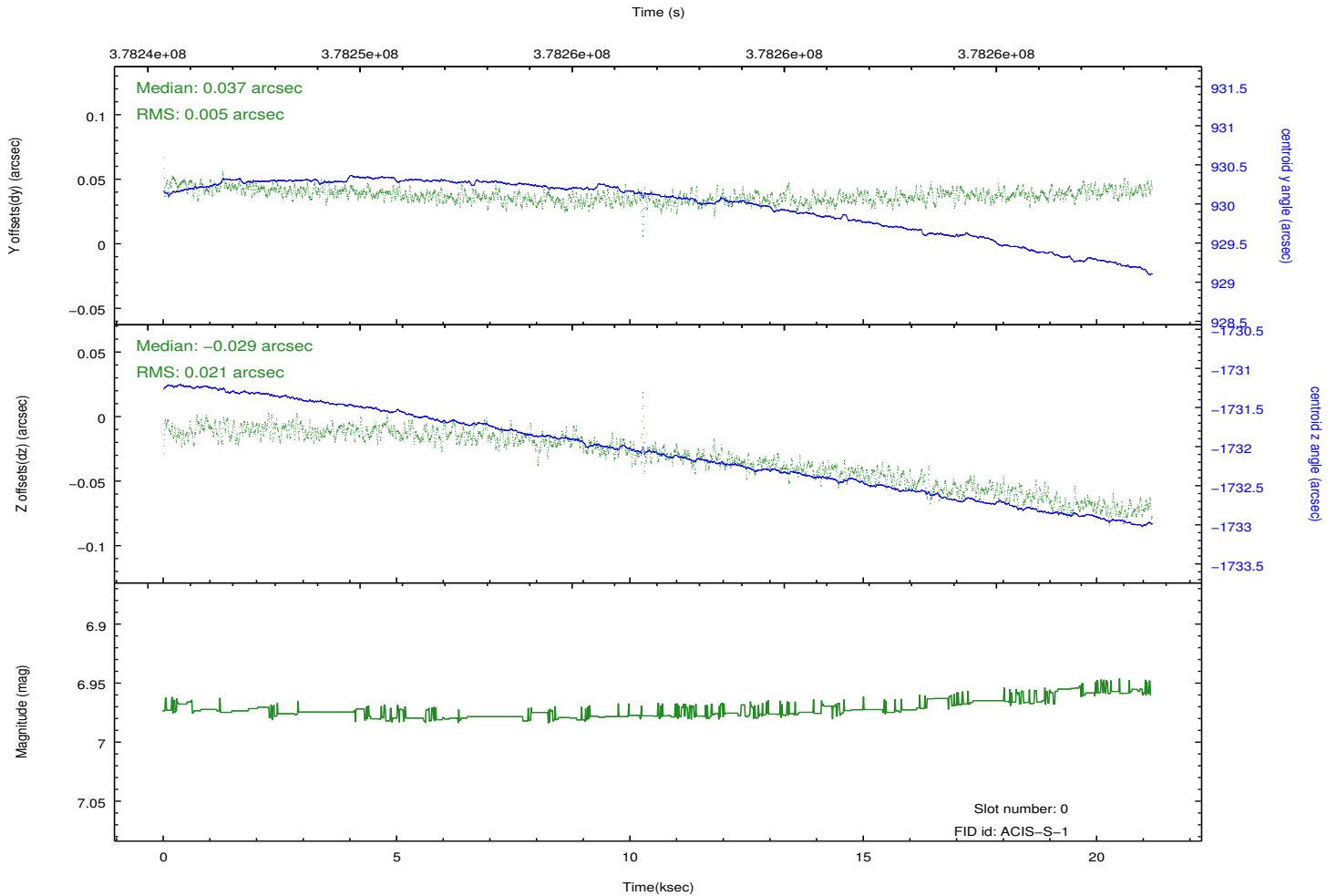
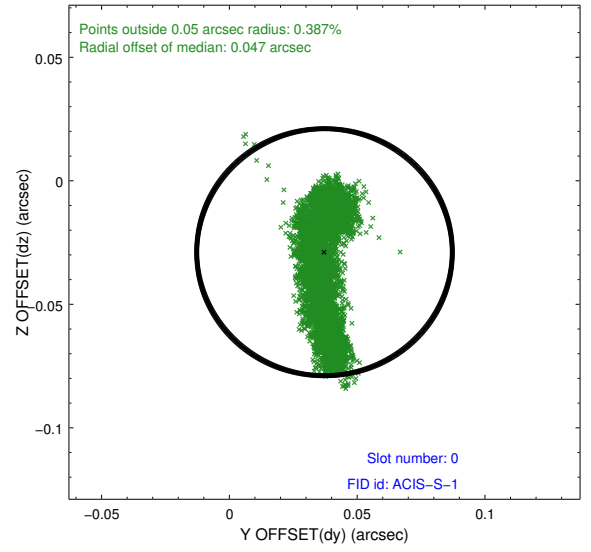
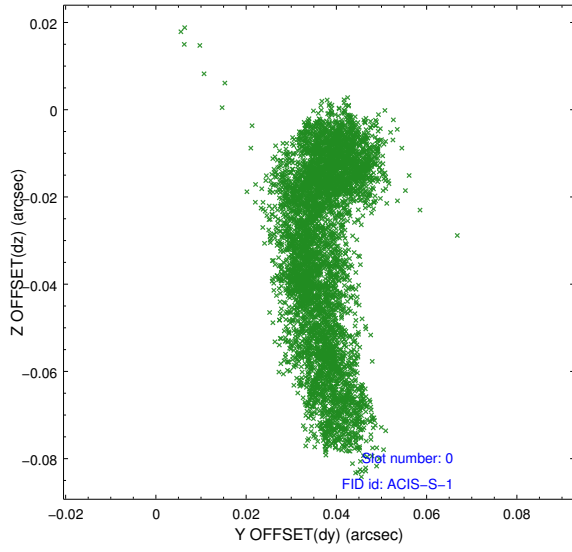


2.4.5 Slot 7

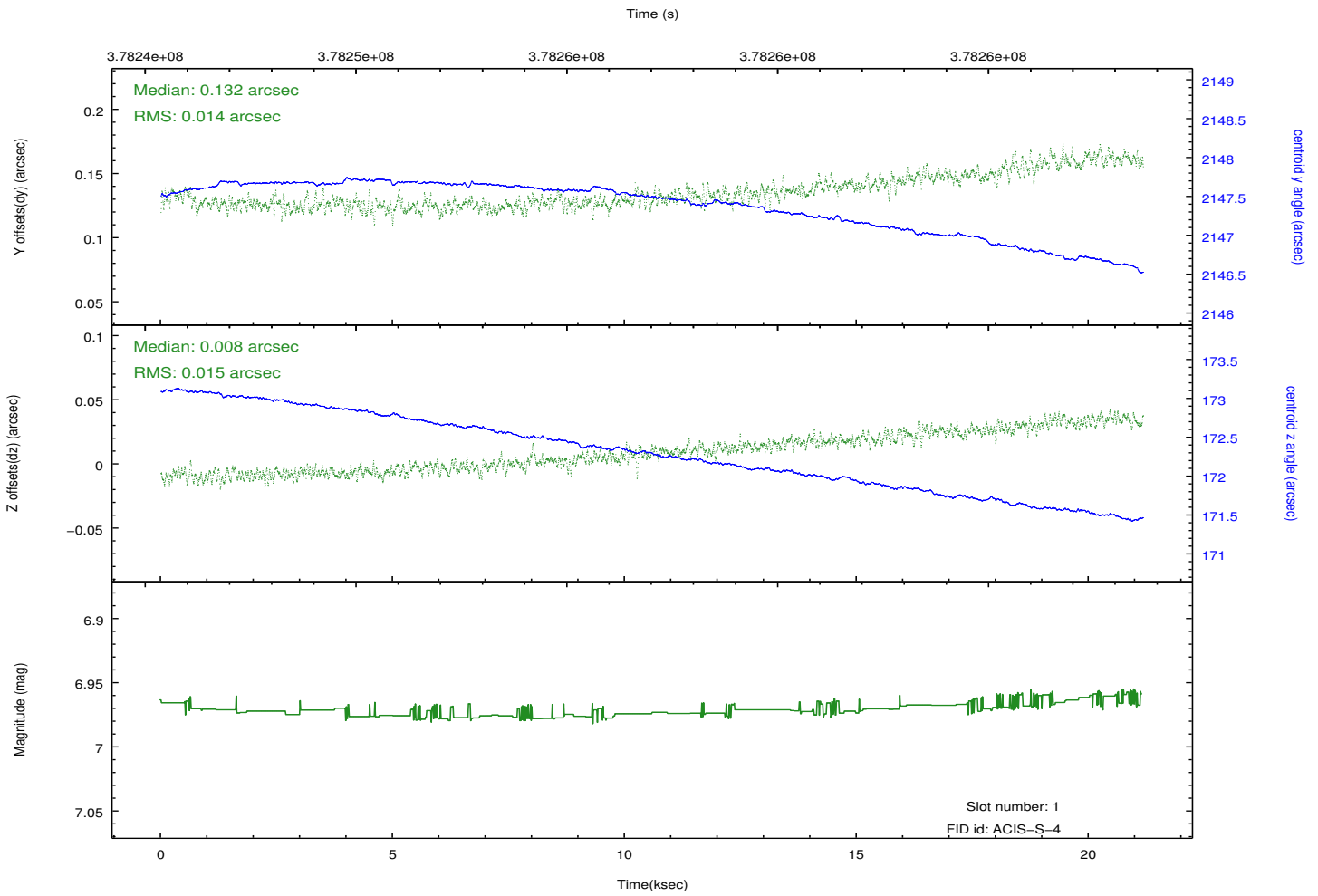
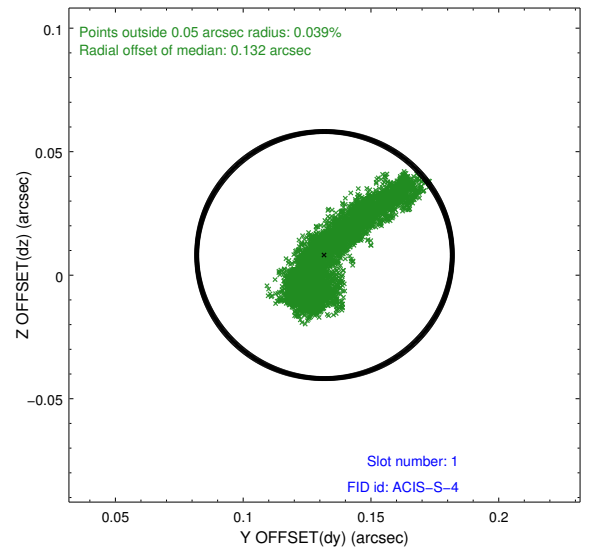
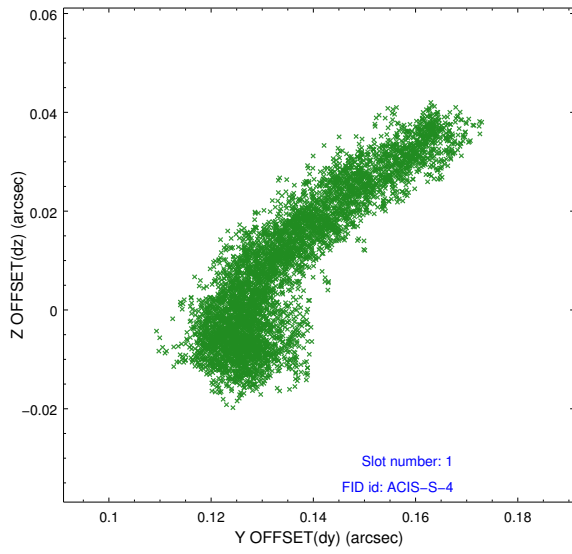


2.5 FID Slots

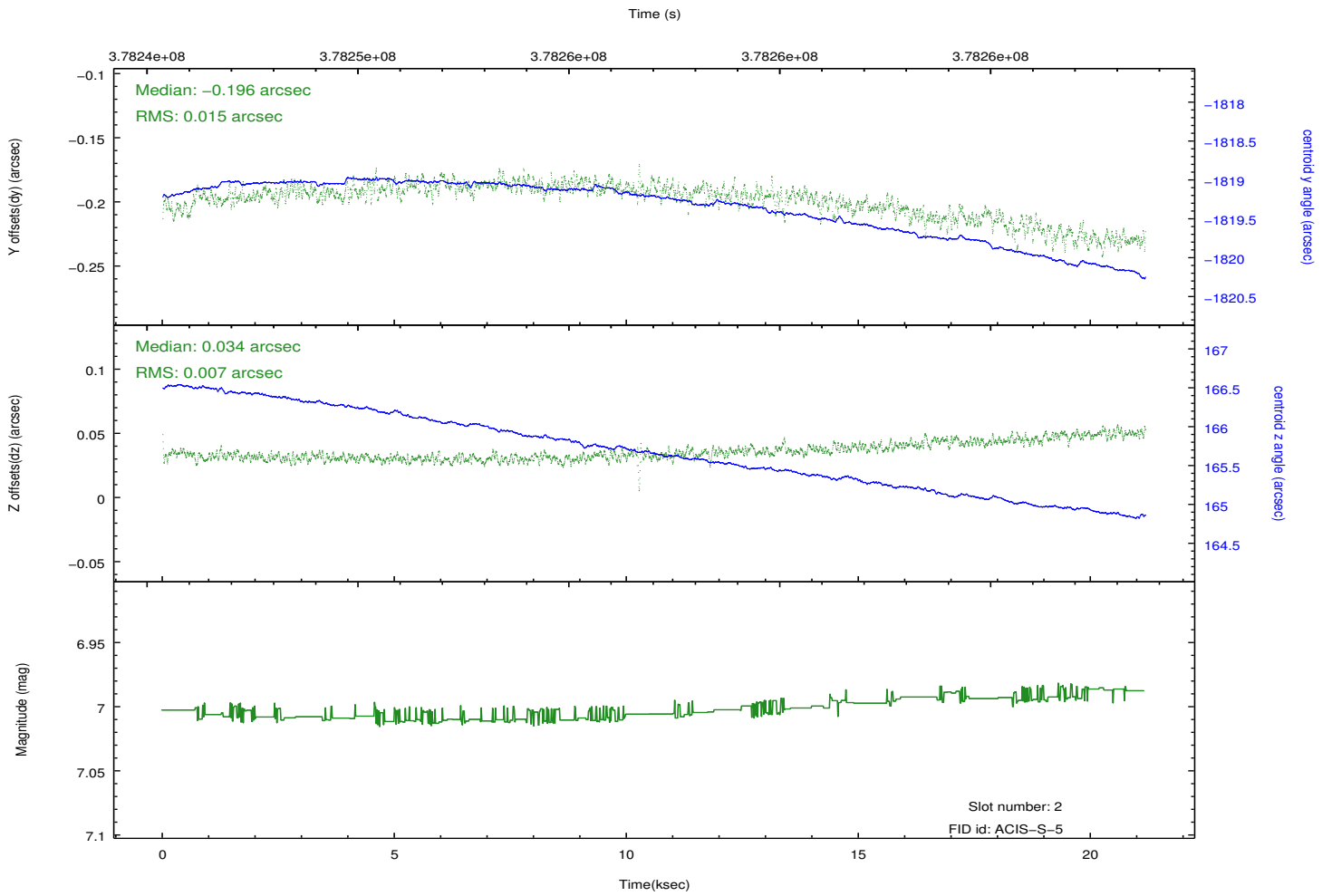
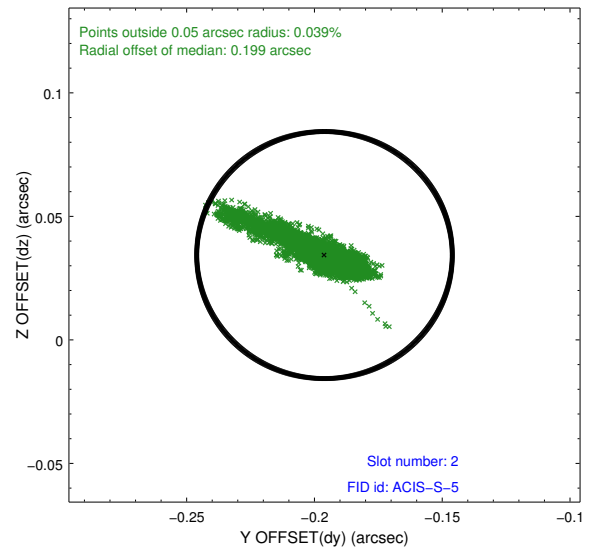
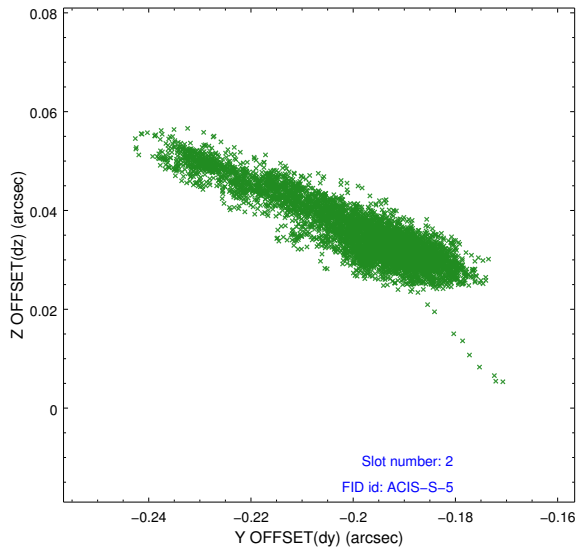
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.171199921191

A.2 Comments

Joint proposal with HST.