

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7635 - L2 Version 3
Chandra X-Ray Center

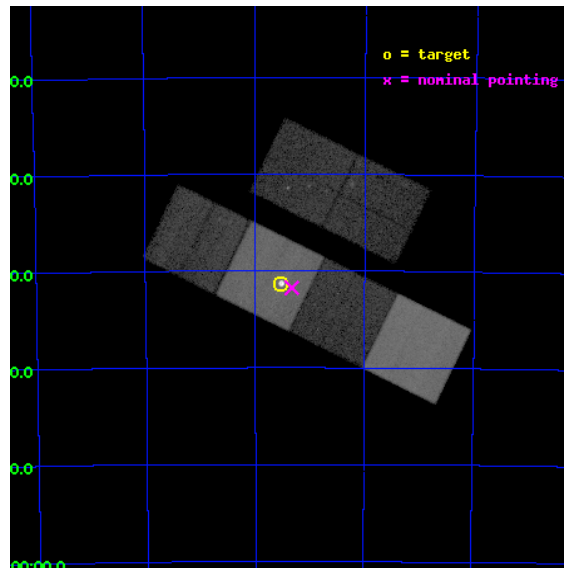
L2 Processing Date : Apr 24 2012

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1 Front

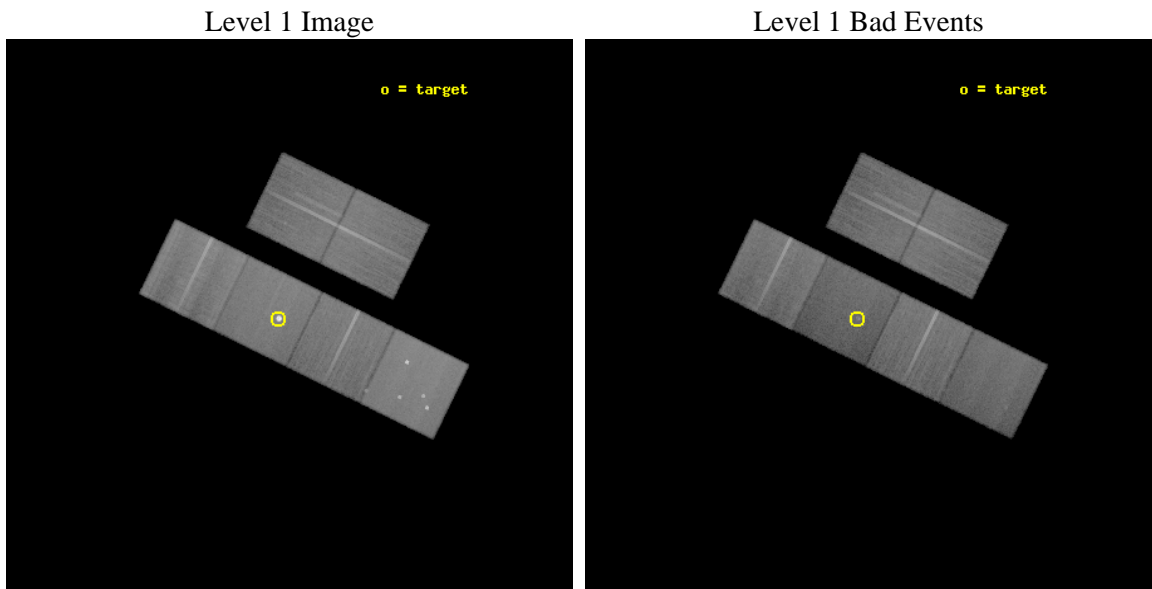
seq_num	500764	Sequence number
obs_id	7635	Observation id
title	The Proper Motion of Supernova Remnant E0509-67.5	Proposal title
observer	Prof. John Hughes	Principal investigator
object	0509-67.5	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	77.382917	Observer's specified target RA [deg]
dec_targ	-67.521389	Observer's specified target Dec [deg]
ra_nom	77.332207665037	Nominal RA [deg]
dec_nom	-67.529046030915	Nominal Dec [deg]
roll_nom	206.10975814709	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33164.799876511	Sum of GTIs [s]
livetime	32744.84721103	Livetime [s]
ontime2	33161.558906257	Sum of GTIs [s]
ontime3	33164.799876511	Sum of GTIs [s]
ontime5	33164.799876511	Sum of GTIs [s]
ontime6	33161.558916271	Sum of GTIs [s]
ontime7	33164.799876511	Sum of GTIs [s]
ontime8	33151.836115003	Sum of GTIs [s]
l2events	446630	Number of level 2 events



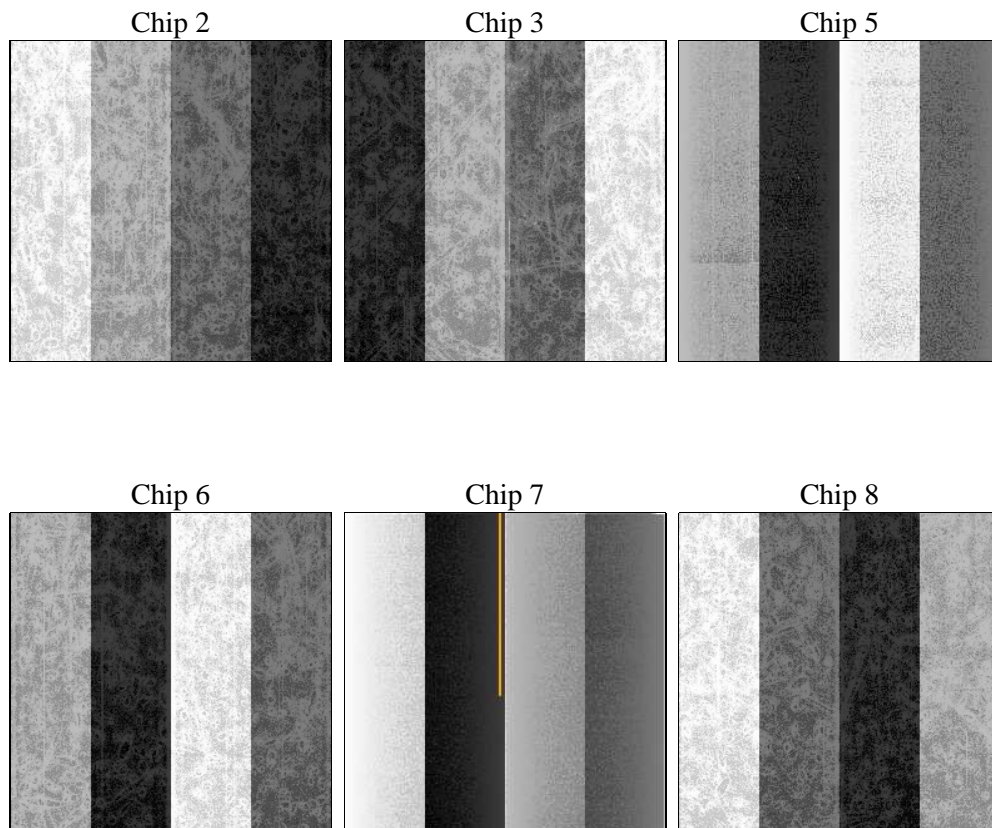
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	33000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	33164.799876511	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	33161.558906257	Sum of GTIs [s]
date	2012-04-24T10:56:21	Date and time of file creation	ontime3	33164.799876511	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	33164.799876511	Sum of GTIs [s]
			ontime6	33161.558916271	Sum of GTIs [s]
			ontime7	33164.799876511	Sum of GTIs [s]
			ontime8	33151.836115003	Sum of GTIs [s]
			l1events	1875854	Number of level 1 events

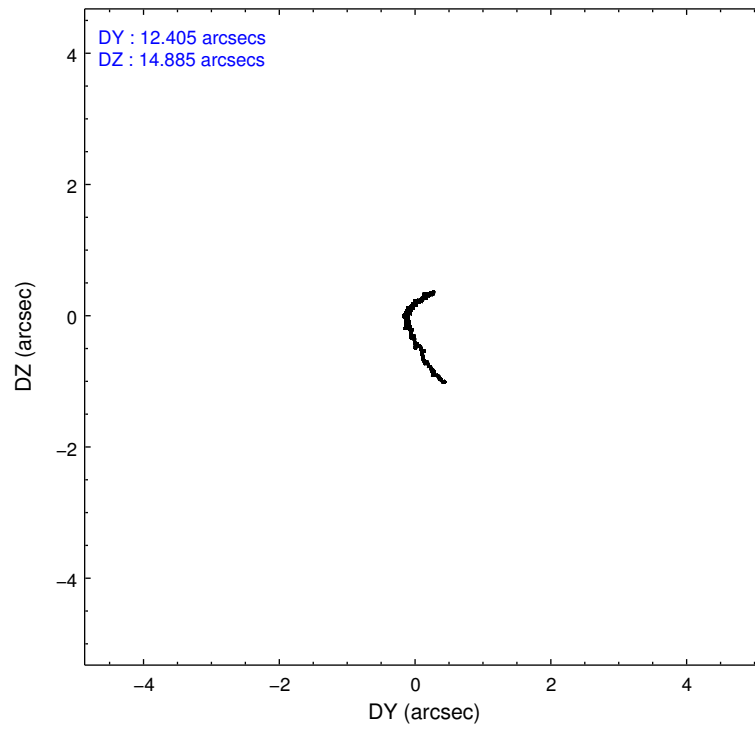
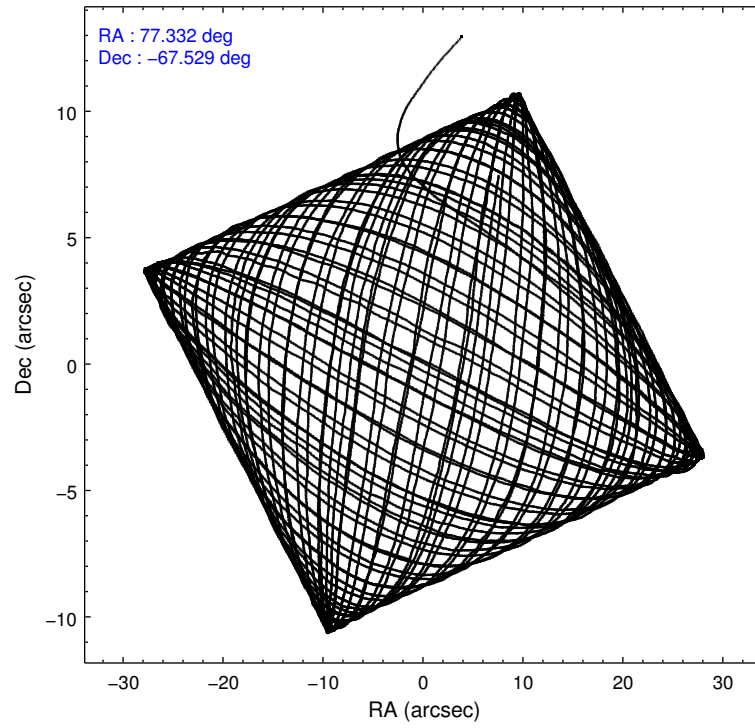
2.1.4 Events

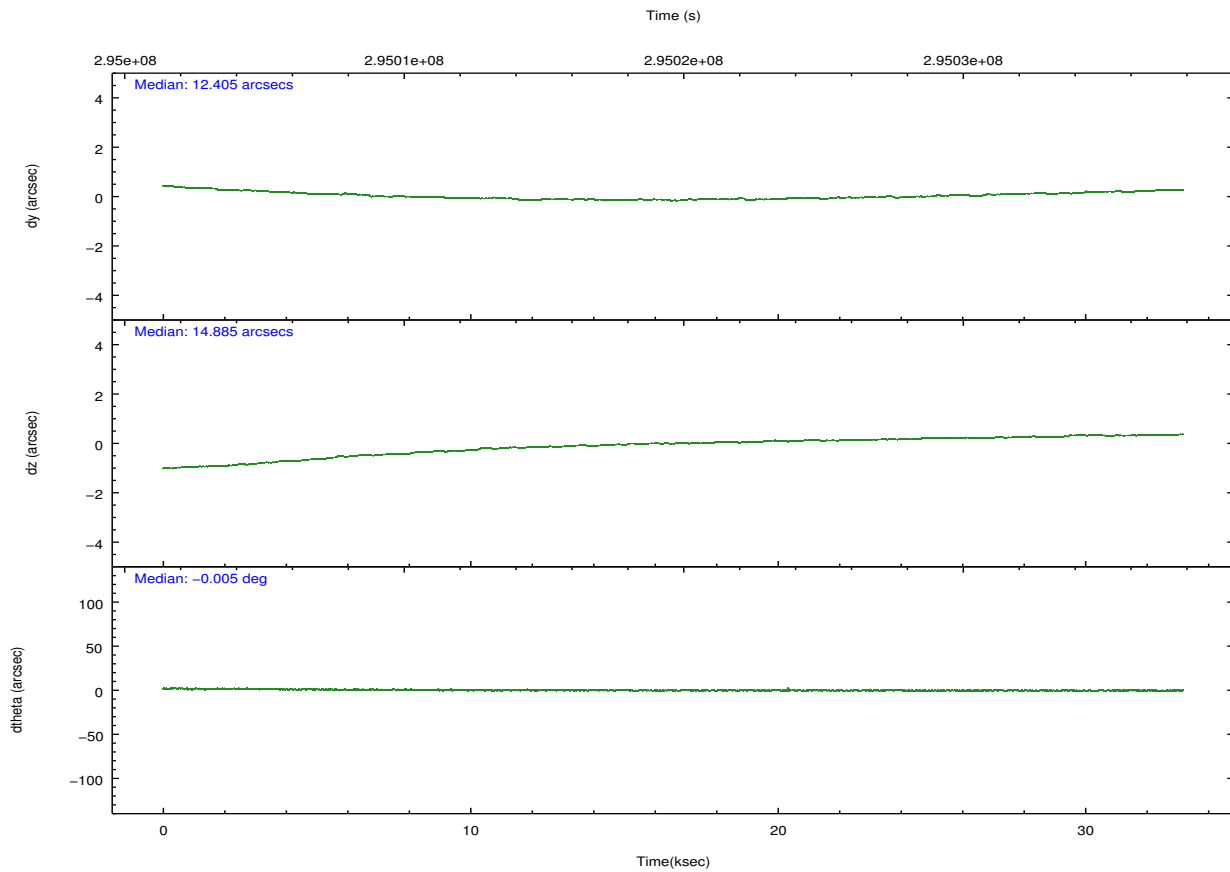
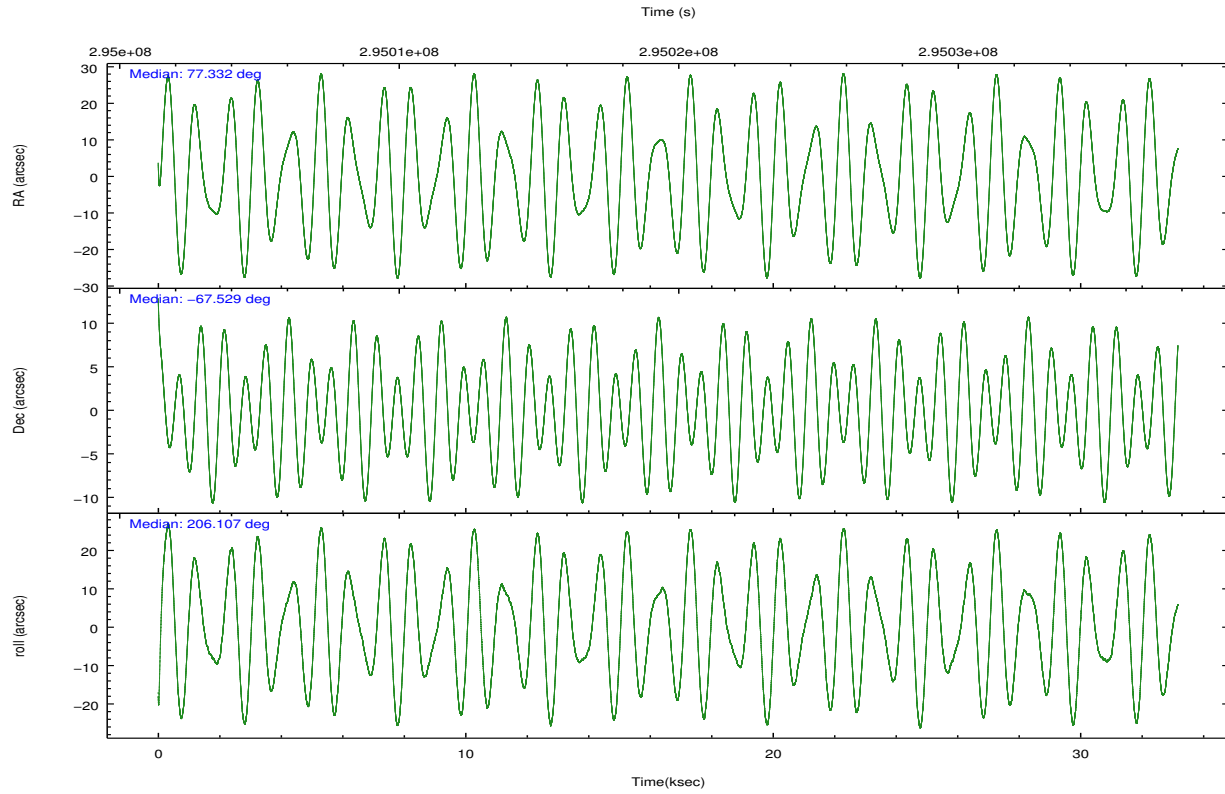
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	286784	260469	376917	271404	345101	335179	grade 0 events	9424	8875	30620	9883	32046	25217
rejected events	260973	236005	182426	243929	159223	253534		3%	3%	8%	3%	9%	7%
rejected %	90%	90%	48%	89%	46%	75%	grade 1 events	182	137	790	141	452	269
								0%	0%	0%	0%	0%	0%
							grade 2 events	6178	5322	54709	6096	40739	18300
								2%	2%	14%	2%	11%	5%
							grade 3 events	2769	2832	8076	2982	18578	8935
								0%	1%	2%	1%	5%	2%
							grade 4 events	2762	2746	7729	2836	18418	8323
								0%	1%	2%	1%	5%	2%
							grade 5 events	8725	10223	29151	10673	31388	15175
								3%	3%	7%	3%	9%	4%
							grade 6 events	4783	4789	94110	5766	76830	21265
								1%	1%	24%	2%	22%	6%
							grade 7 events	251961	225545	151732	233027	126650	237695
								87%	86%	40%	85%	36%	70%

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	77.371232	77.33220766503689	CCD I2 on	Y	Y
[deg] Pointing Dec	-67.506136	-67.52904603091511	CCD I3 on	Y	Y
[deg] Pointing Roll	205.989195	206.1097581470898	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	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	O2	Y
[s] Observation start time (MET)	295003203.184000	295002074.75335	CCD S5 on	N	N
Observation start date	2007-05-08T09:18:58	2007-05-08T09:01:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	295036203.184000	295036960.11752	On-chip summing requested	N	N
Observation end date	2007-05-08T18:28:58	2007-05-08T18:42:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



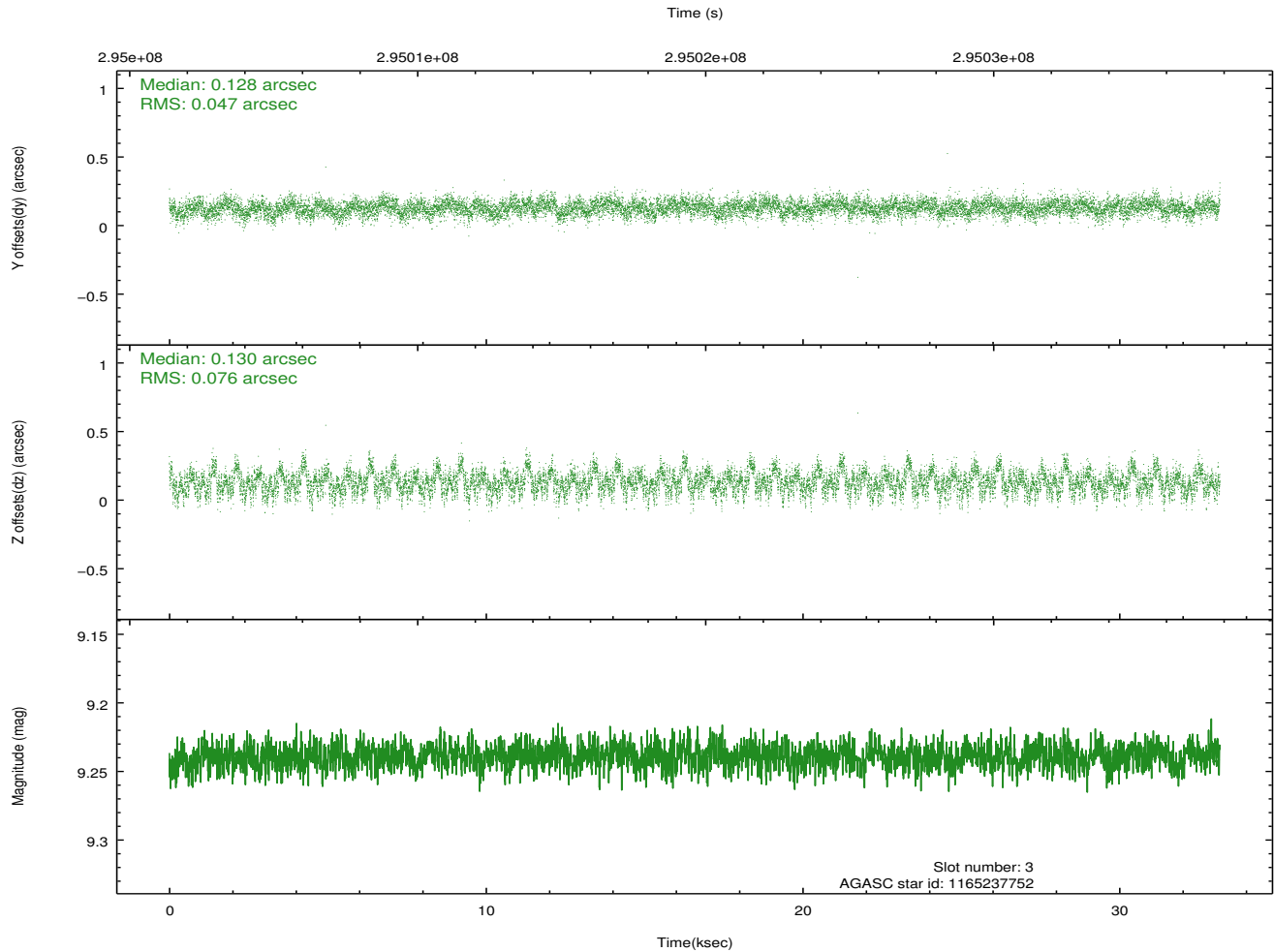
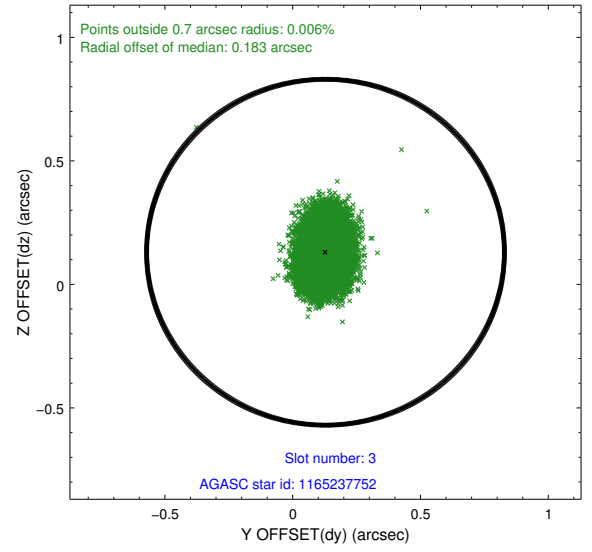
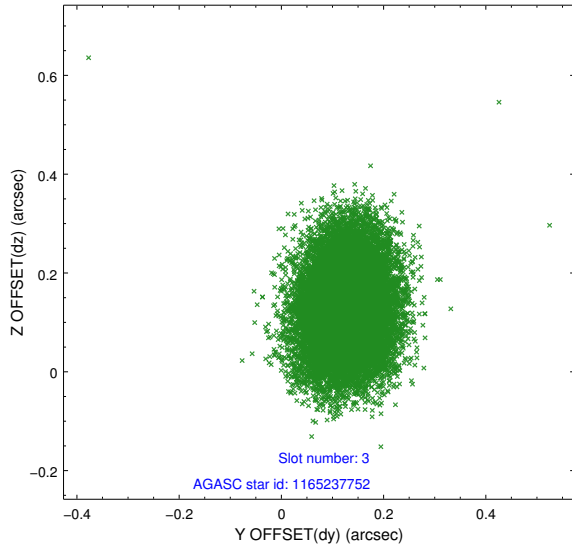


Slot Statistics

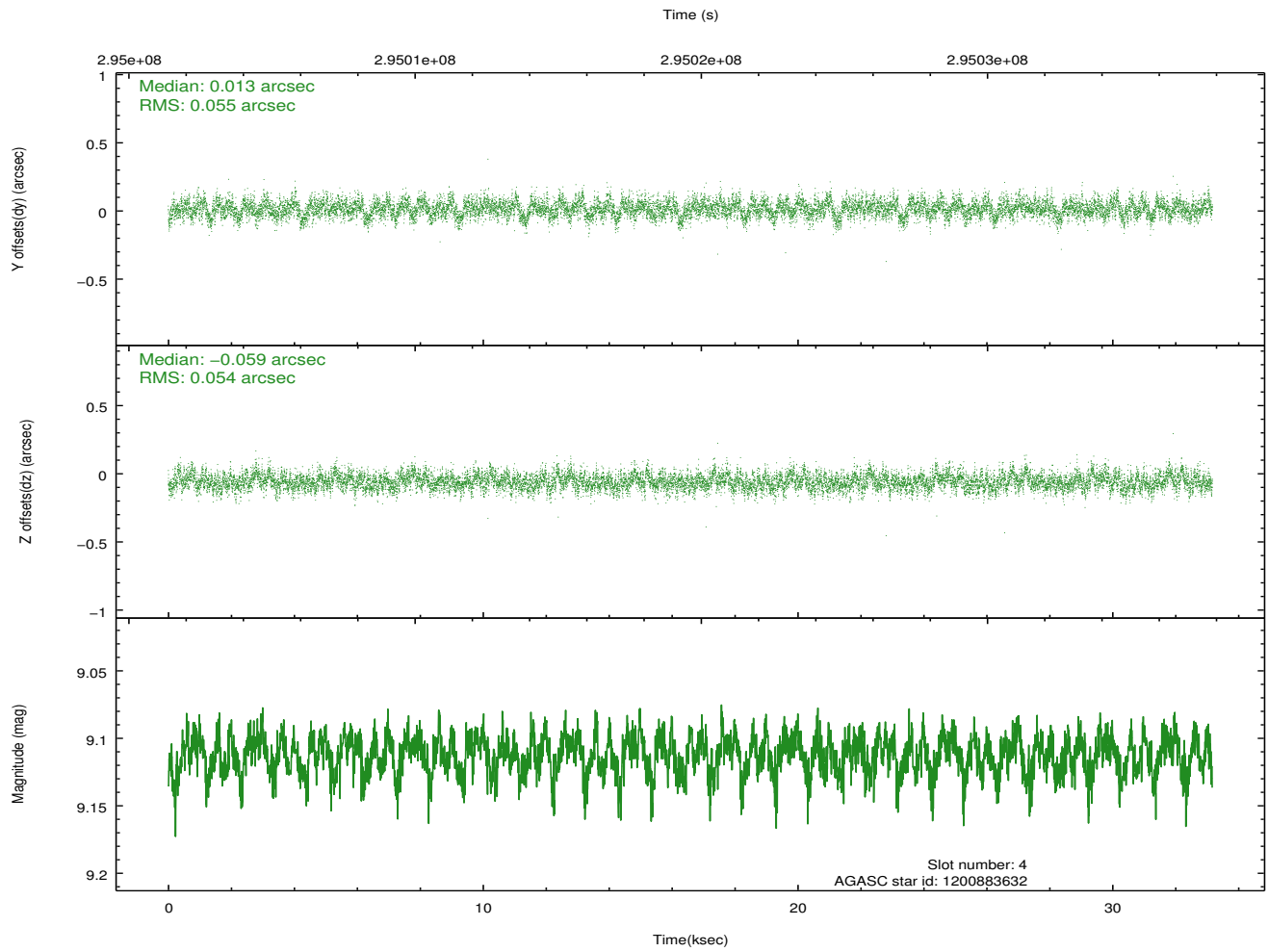
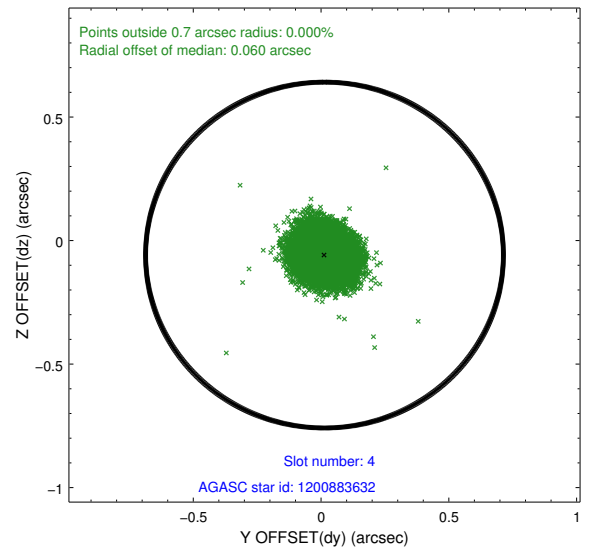
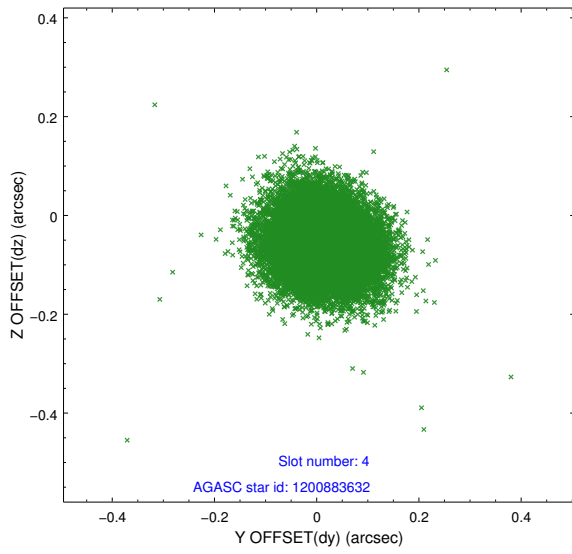
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	8090	-0.049	-0.031	0.010	0.024	0.000000	0.000000	-765.37	-1736.18
1	FID	ACIS-S-4	7.19	8091	0.159	0.032	0.007	0.013	0.000000	0.000000	2148.07	172.35
2	FID	ACIS-S-5	7.22	8090	-0.141	0.007	0.011	0.025	0.000000	0.000000	-1818.26	166.00
3	GUIDE	1165237752	9.24	16167	0.128	0.130	0.094	0.158	78.075114	-67.094879	-1532.51	-893.56
4	GUIDE	1200883632	9.11	16178	0.013	-0.059	0.082	0.133	79.186141	-67.543567	-2168.05	1247.40
5	GUIDE	1200888000	8.65	16176	-0.008	-0.226	0.086	0.134	78.402273	-68.021569	-430.45	2287.11
6	GUIDE	1165237592	9.17	16174	-0.020	0.137	0.101	0.161	77.805096	-66.687972	-1845.11	-2374.63
7	GUIDE	1200758760	8.29	16173	-0.114	0.012	0.066	0.106	76.277764	-68.086435	2241.49	1245.90

2.4 Star Slots

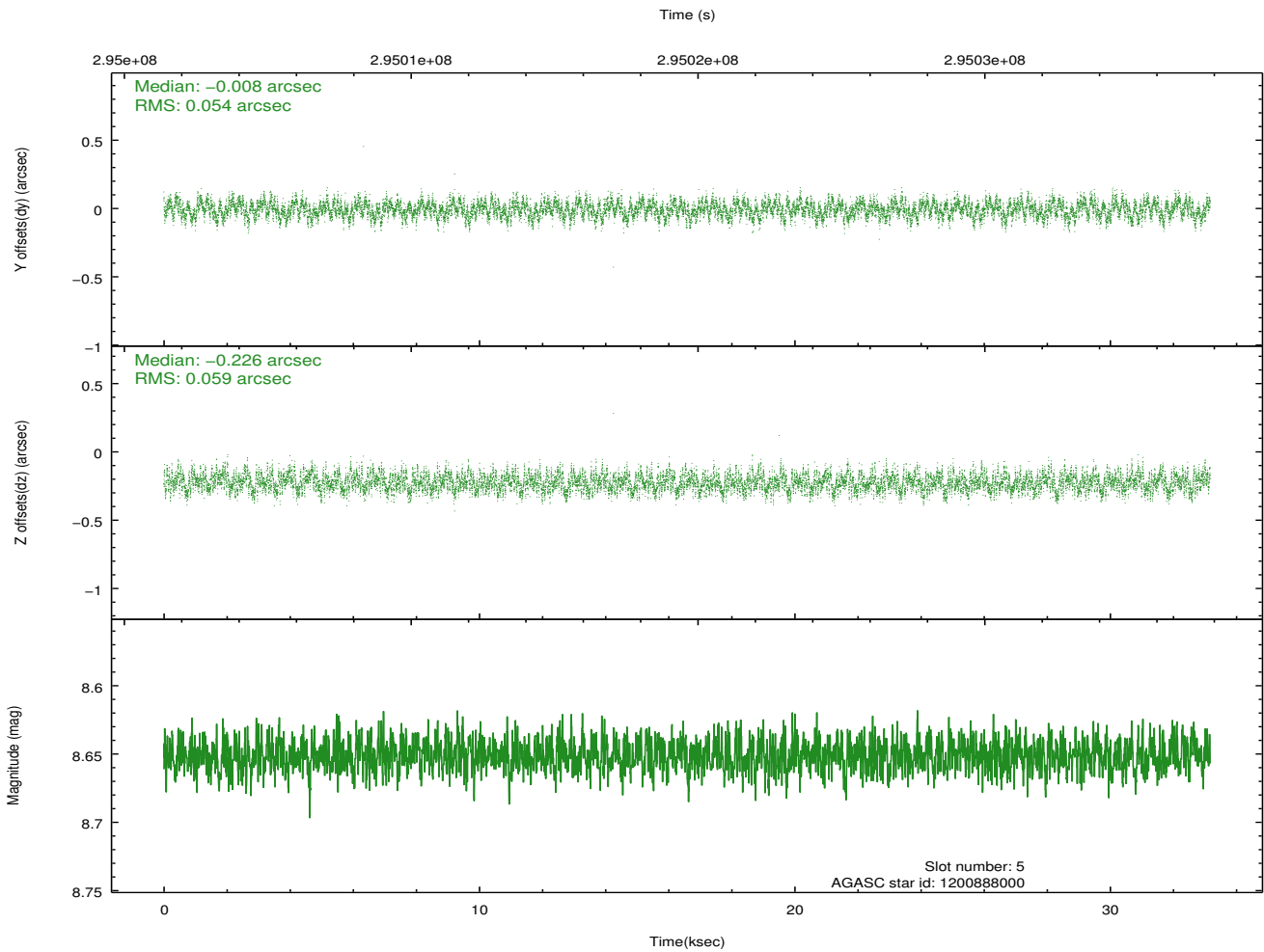
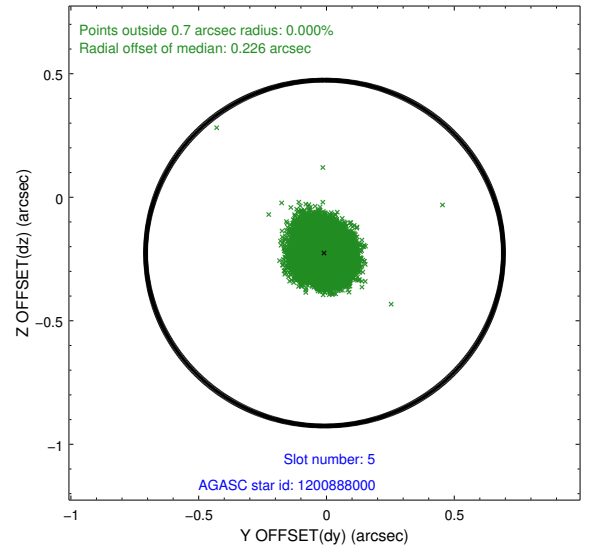
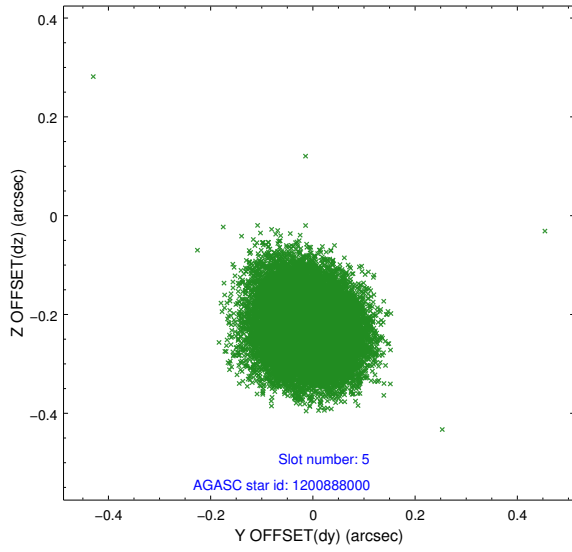
2.4.1 Slot 3



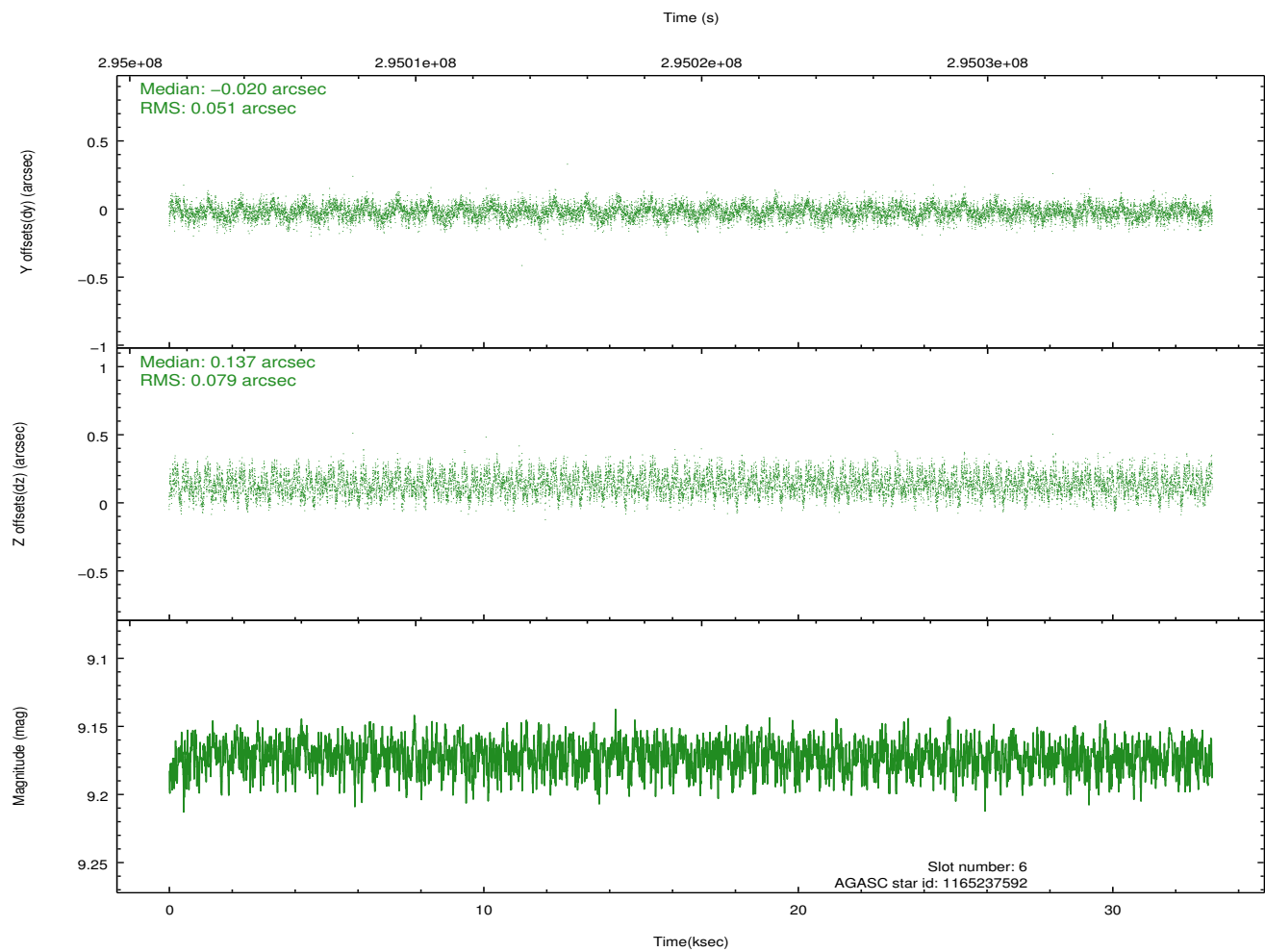
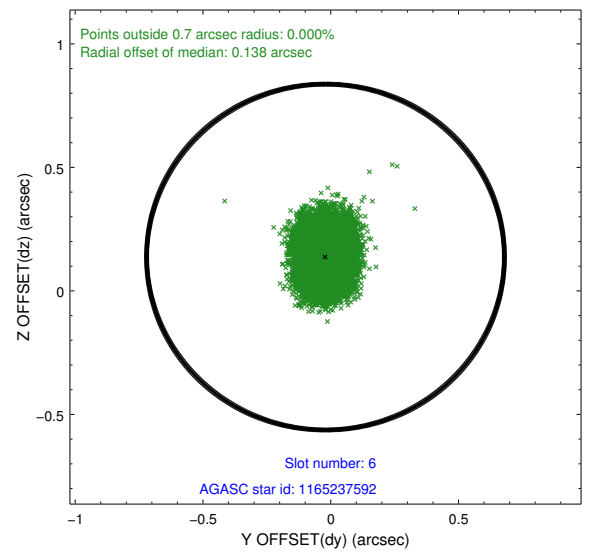
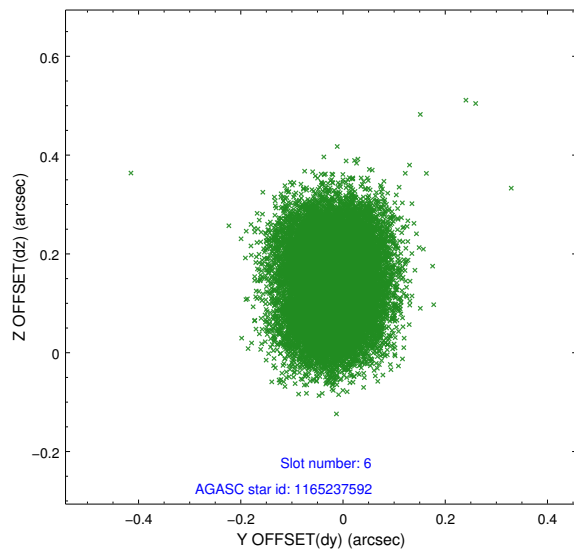
2.4.2 Slot 4



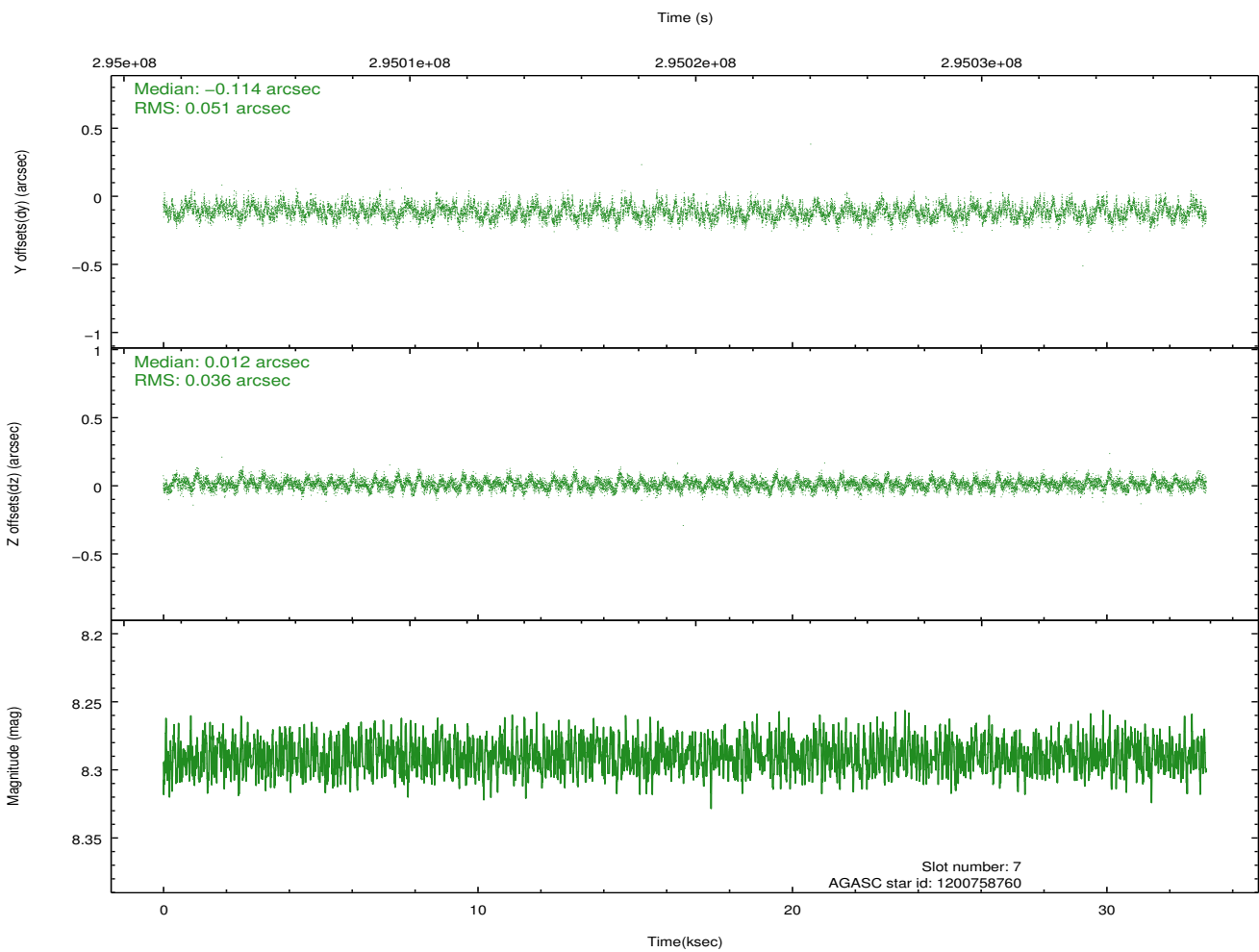
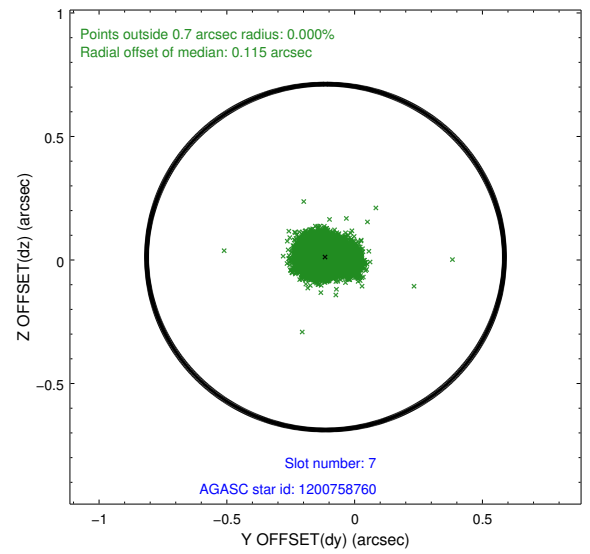
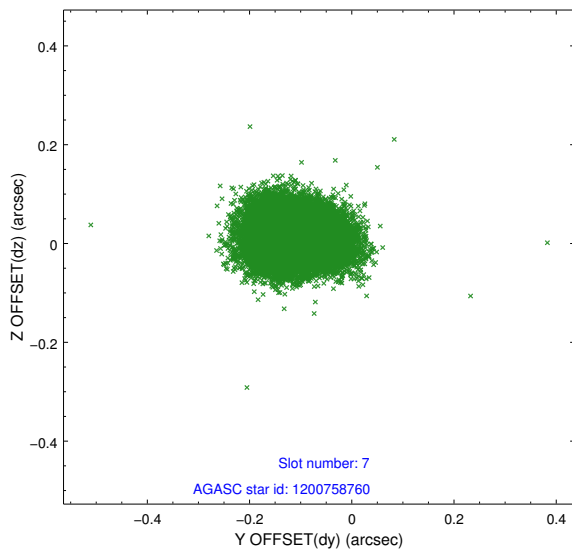
2.4.3 Slot 5



2.4.4 Slot 6

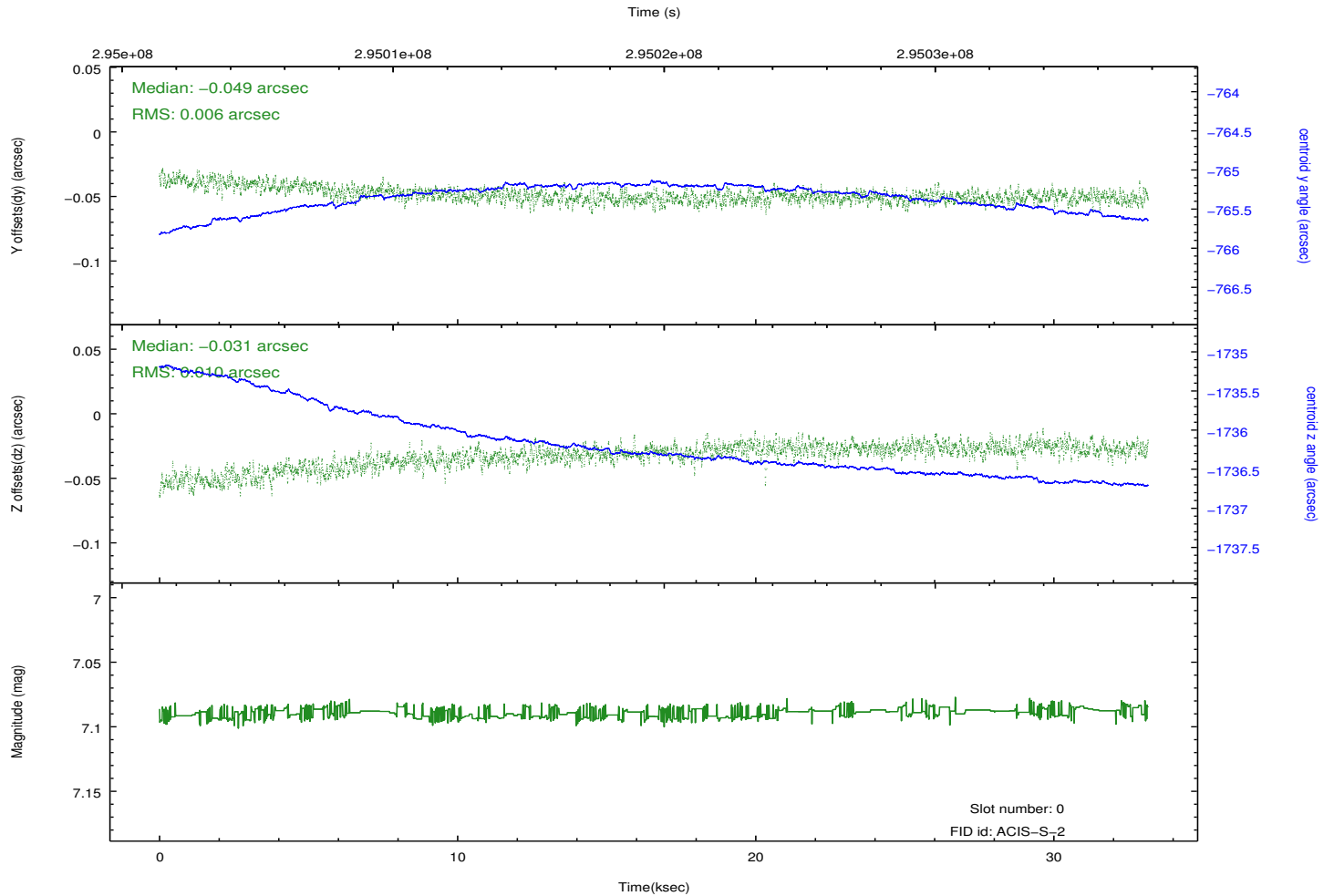
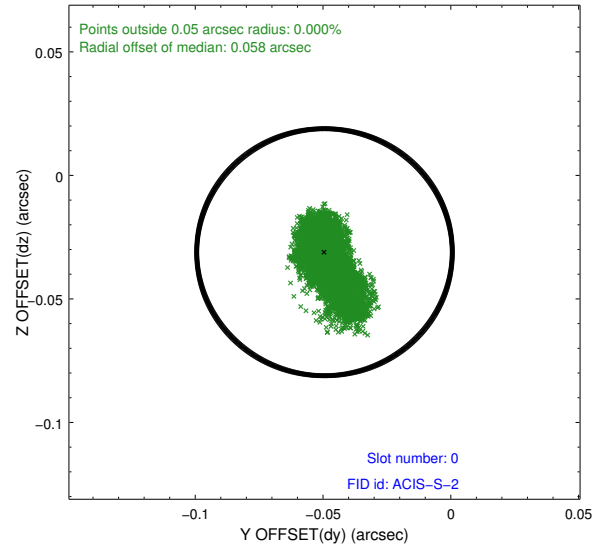
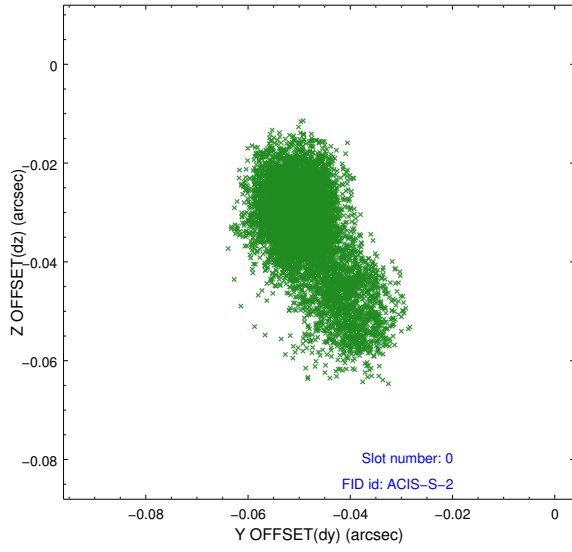


2.4.5 Slot 7

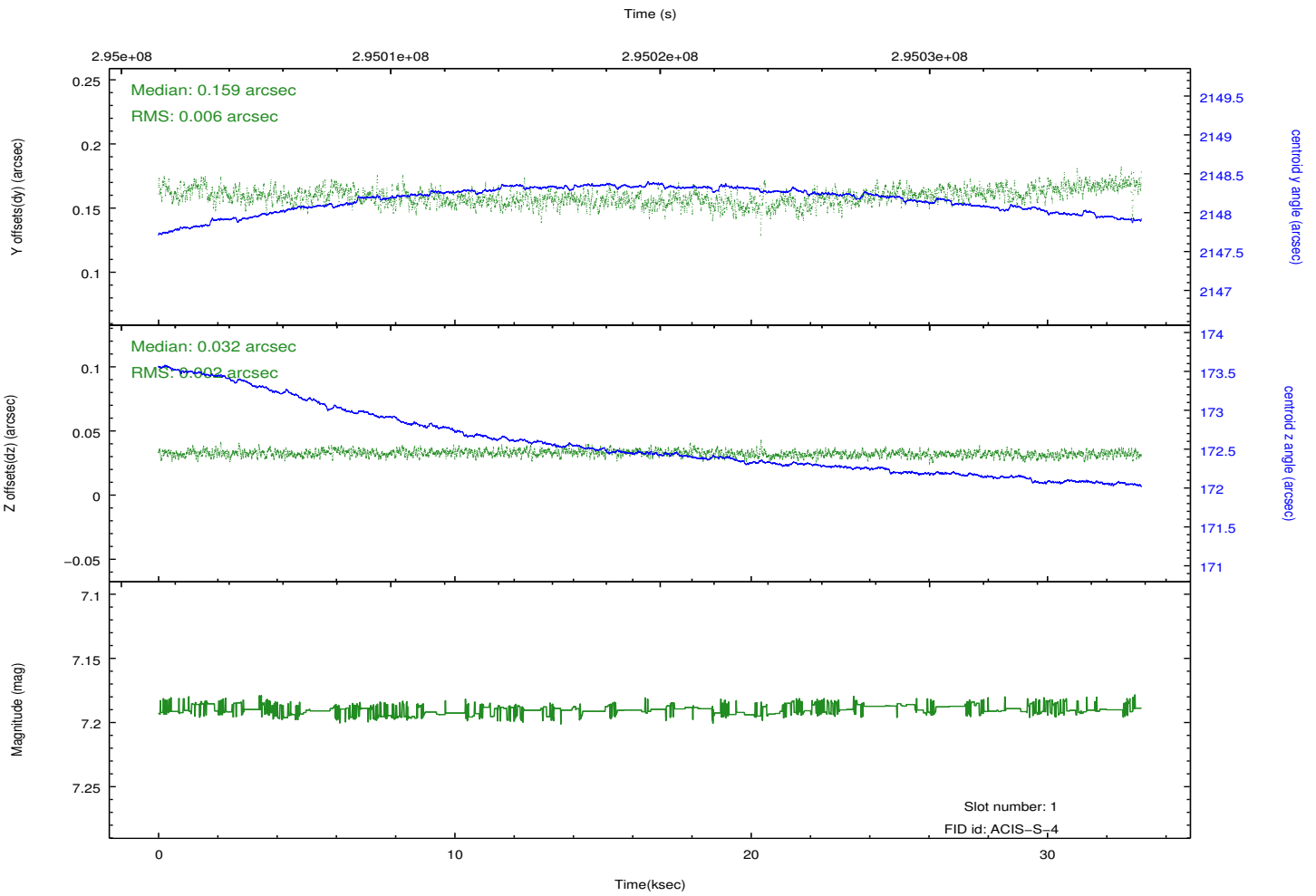
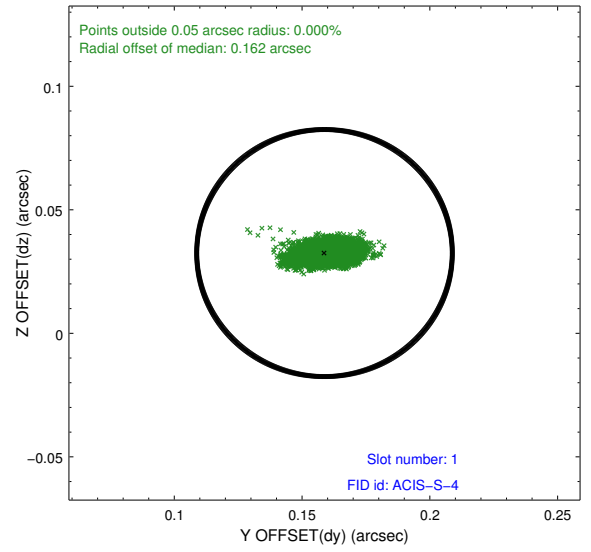
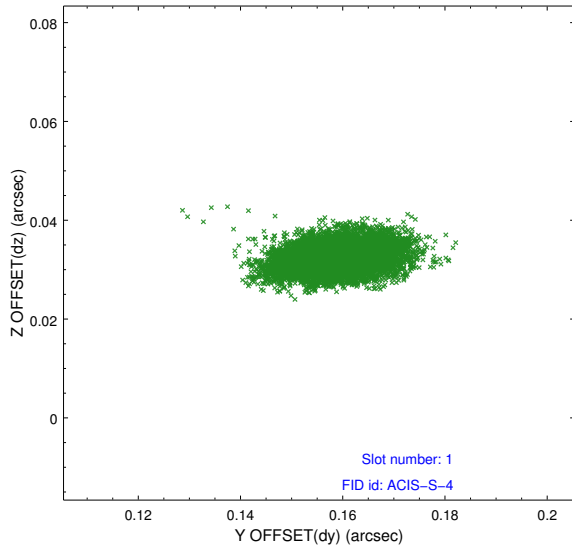


2.5 FID Slots

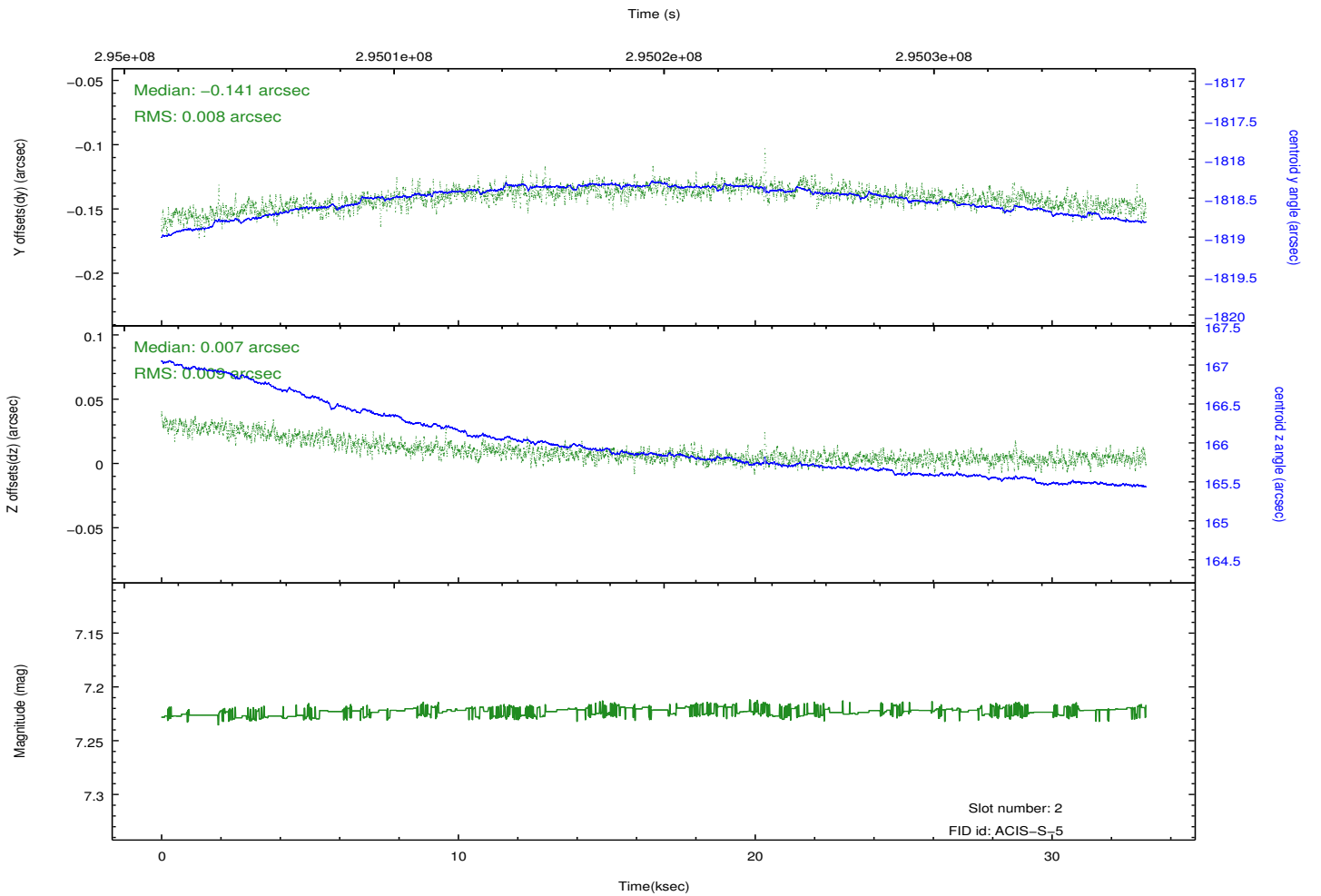
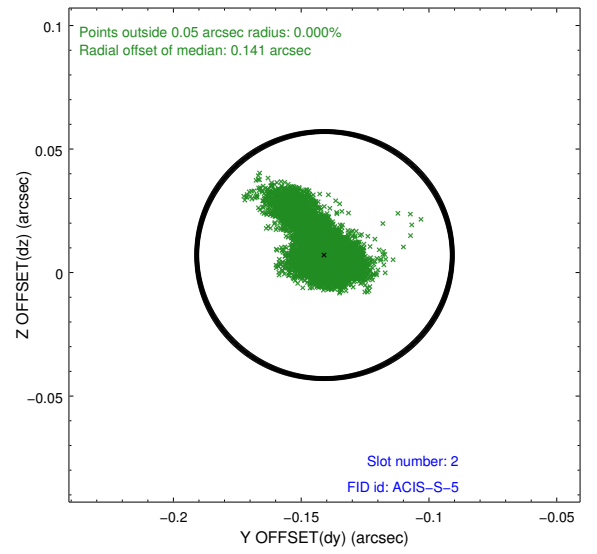
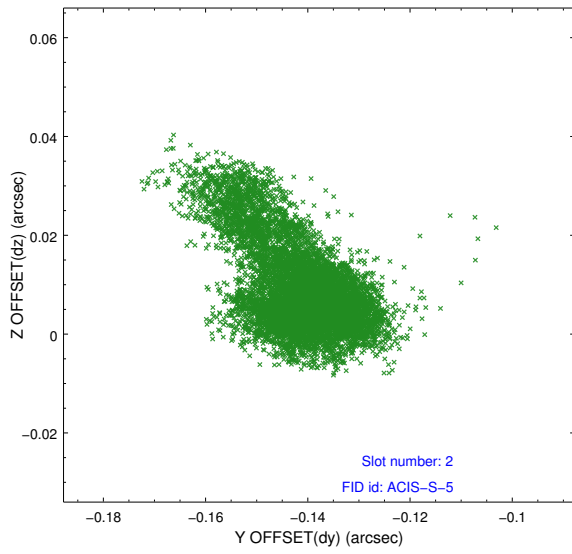
2.5.1 Slot 0



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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.1647998

A.2 Comments

Joint proposal with HST. Roll preference met.