

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9122 - L2 Version 2
Chandra X-Ray Center

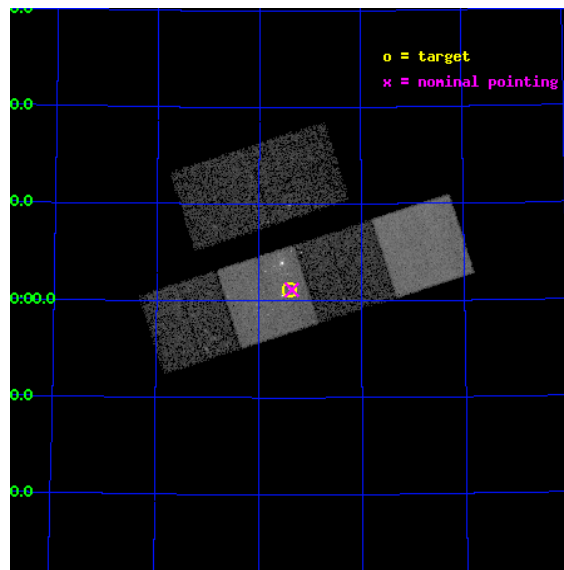
L2 Processing Date : May 9 2012

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1 Front

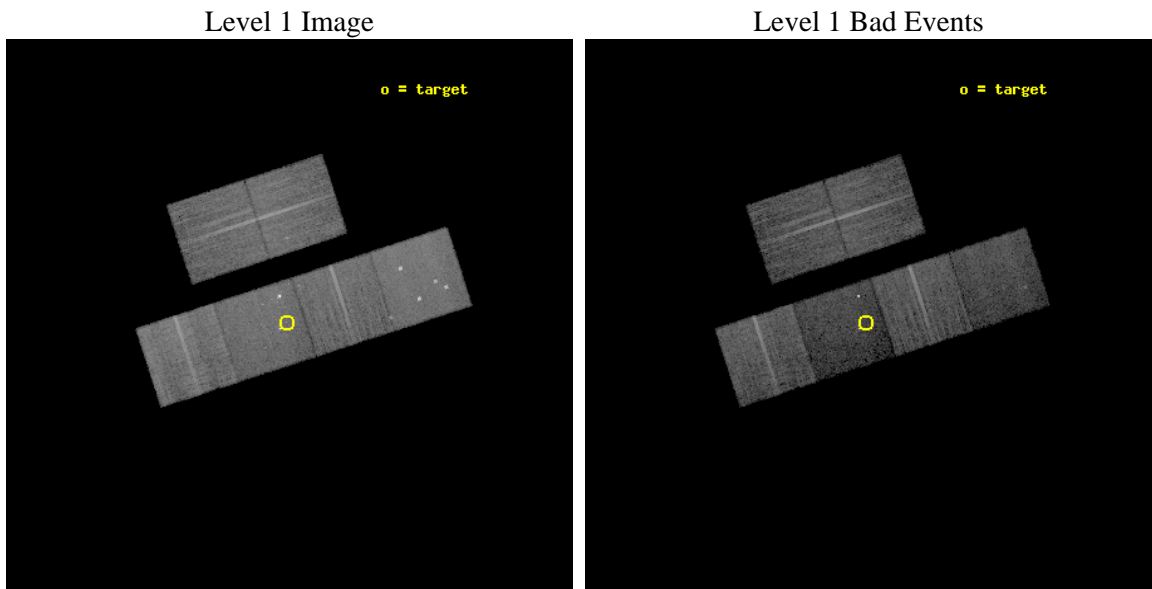
seq_num	500984	Sequence number
obs_id	9122	Observation id
title	The Peculiar X-Ray Evolution of Supernovae 1978K, 1979C and 1993J	
observer	Dr Stefan Immler	Principal investigator
object	SN 1993J	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.853333	Observer's specified target RA [deg]
dec_targ	69.020472	Observer's specified target Dec [deg]
ra_nom	148.84017553791	Nominal RA [deg]
dec_nom	69.019303594677	Nominal Dec [deg]
roll_nom	162.03909875886	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10038.076911211	Sum of GTIs [s]
livetime	9910.968737157	Livetime [s]
ontime2	10038.117951214	Sum of GTIs [s]
ontime3	10037.953791201	Sum of GTIs [s]
ontime5	10038.035871208	Sum of GTIs [s]
ontime6	10037.994831204	Sum of GTIs [s]
ontime7	10038.076911211	Sum of GTIs [s]
ontime8	10037.912751198	Sum of GTIs [s]
l2events	117906	Number of level 2 events



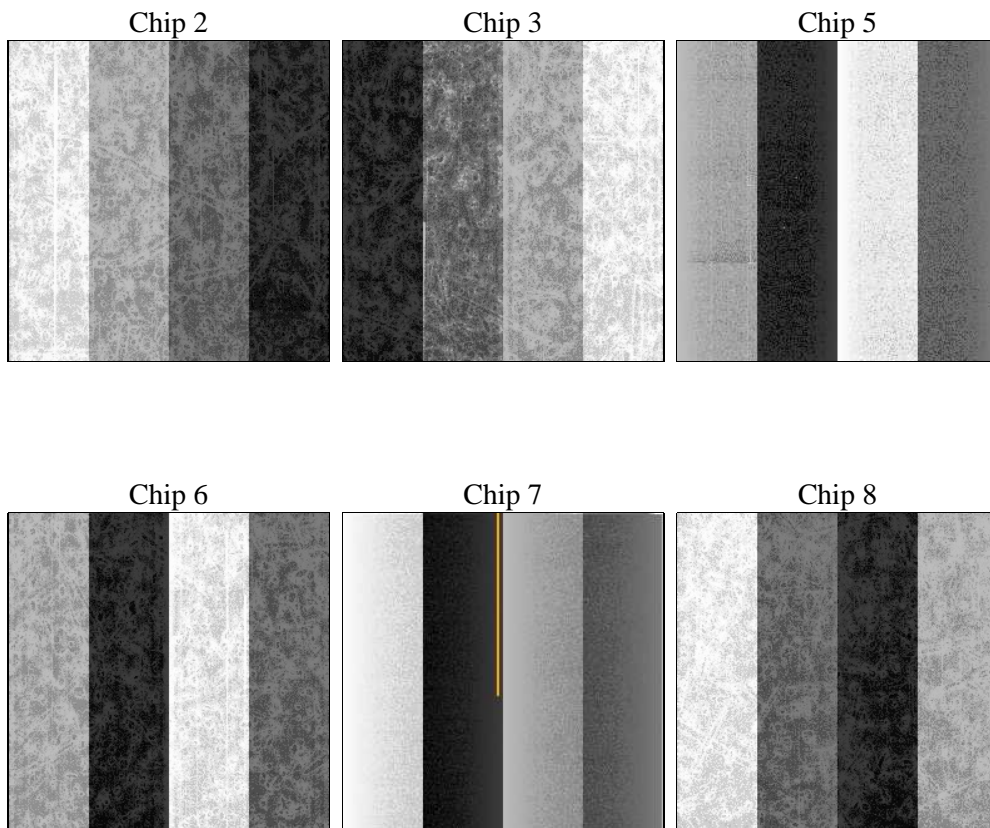
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10038.076911211	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	10038.117951214	Sum of GTIs [s]
date	2012-05-09T02:44:38	Date and time of file creation	ontime3	10037.953791201	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10038.035871208	Sum of GTIs [s]
			ontime6	10037.994831204	Sum of GTIs [s]
			ontime7	10038.076911211	Sum of GTIs [s]
			ontime8	10037.912751198	Sum of GTIs [s]
			l1events	522400	Number of level 1 events

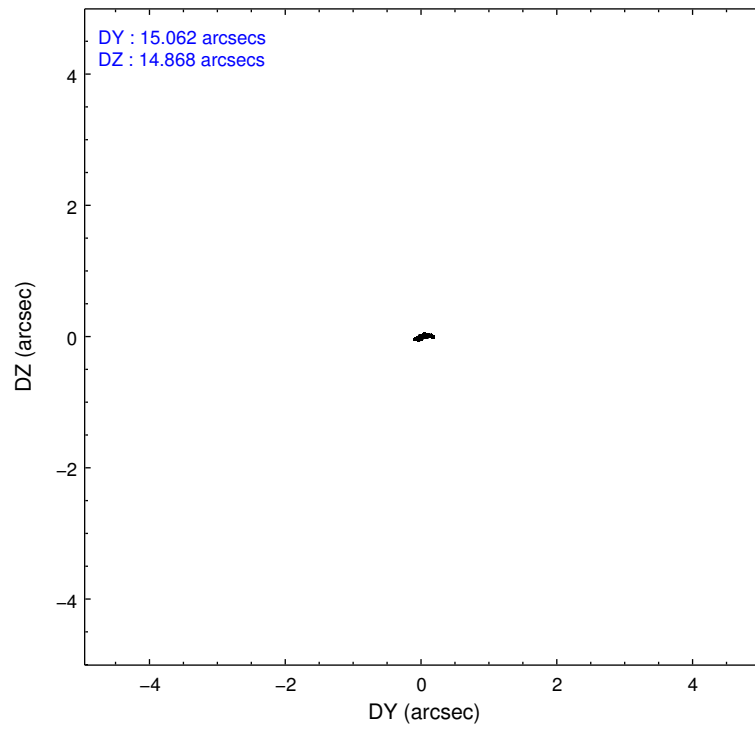
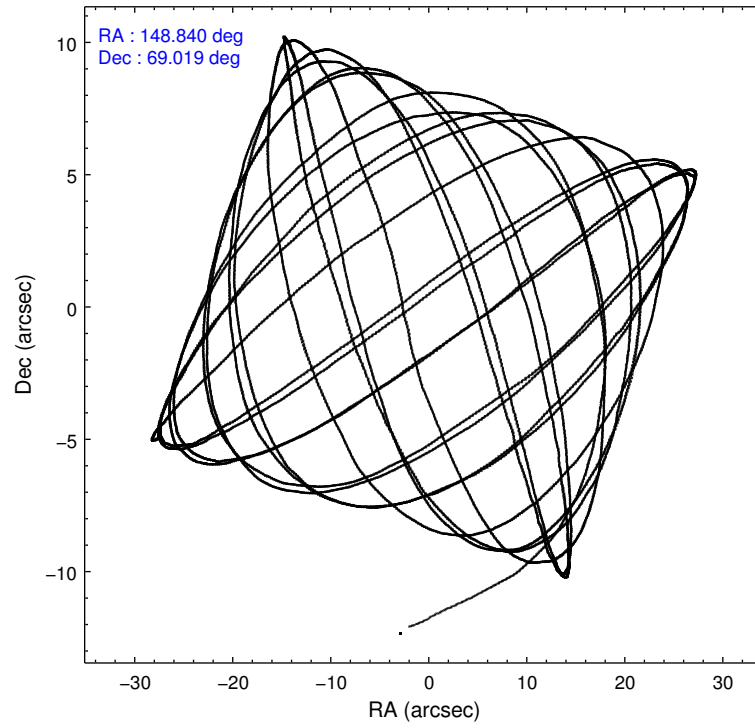
2.1.4 Events

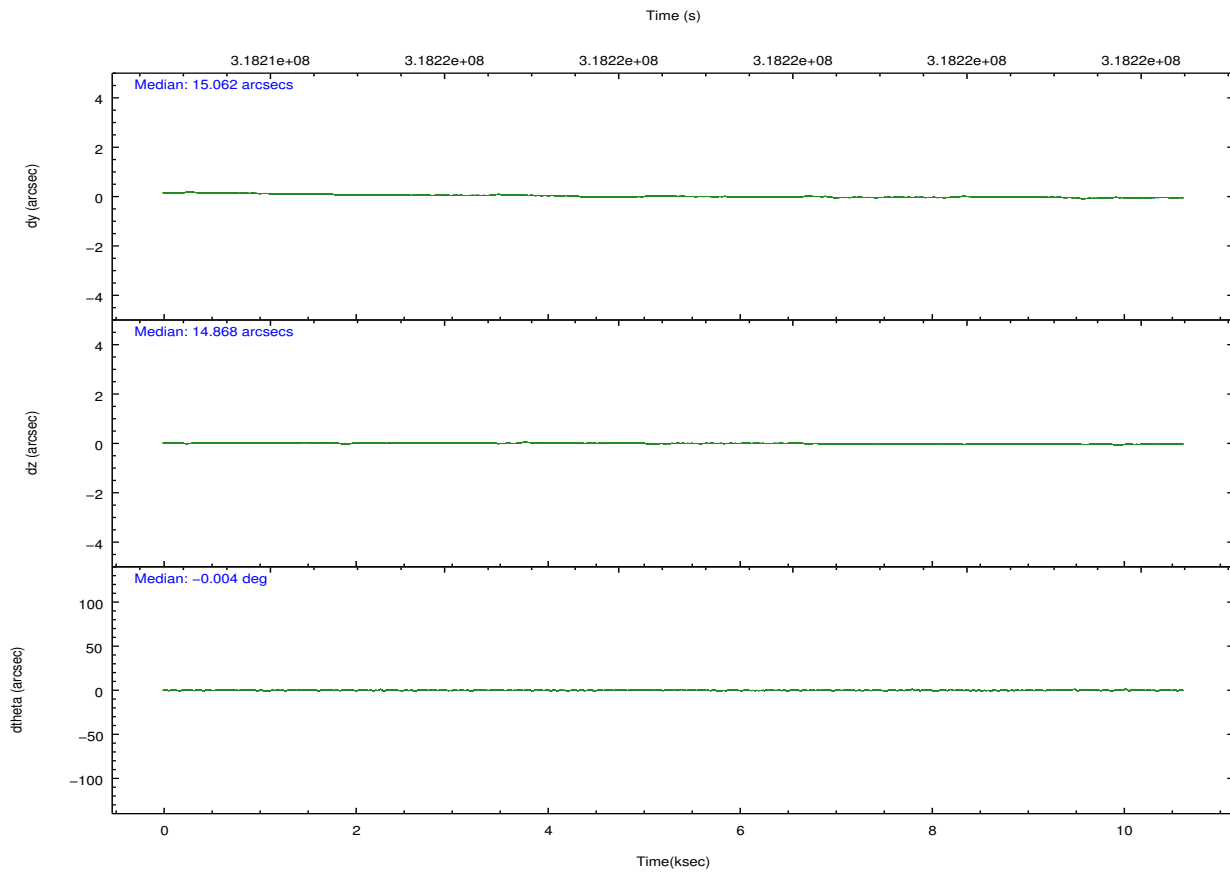
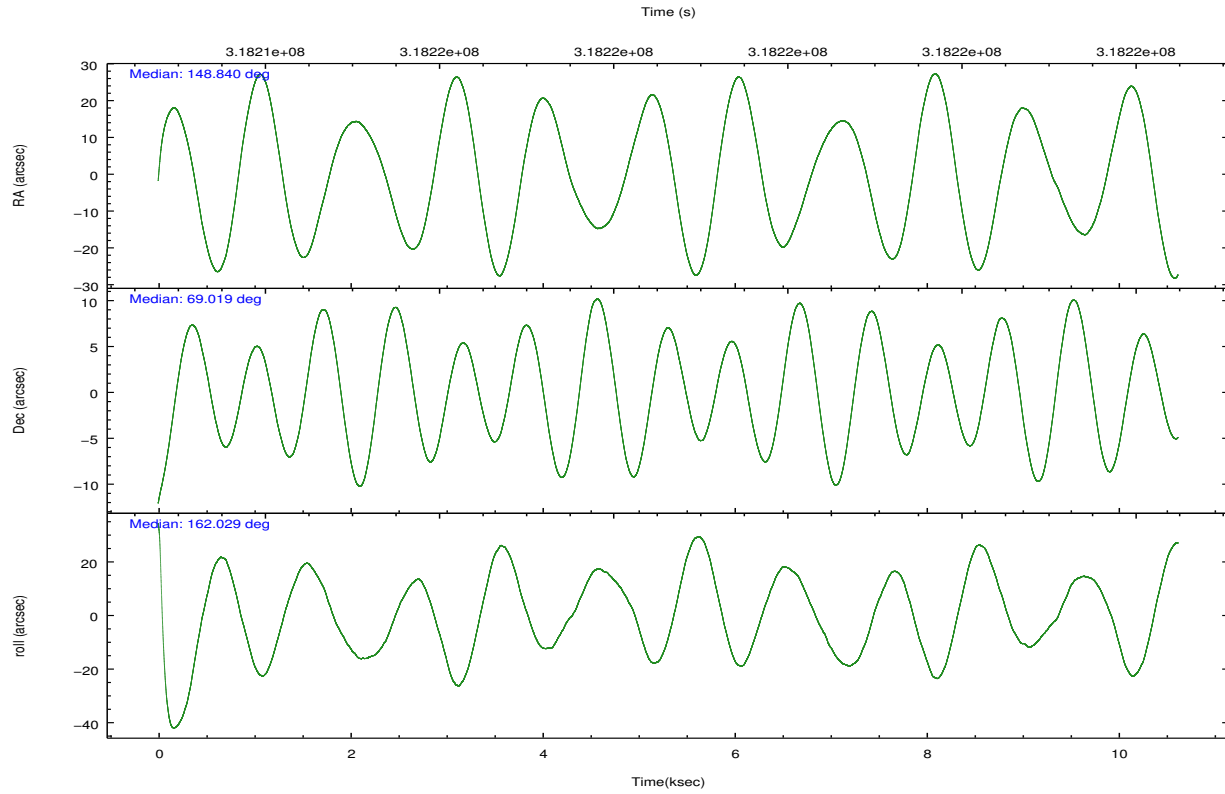
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	82224	74774	102283	78639	87234	97246	grade 0 events	2853	2638	11657	3009	5871	6705
rejected events	74772	67755	45563	70625	41799	73685		3%	3%	11%	3%	6%	6%
rejected %	90%	90%	44%	89%	47%	75%	grade 1 events	48	42	379	40	356	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	1760	1448	15206	1708	9944	5636
								2%	1%	14%	2%	11%	5%
							grade 3 events	753	795	2096	898	4240	2563
								0%	1%	2%	1%	4%	2%
							grade 4 events	820	818	2032	873	4284	2394
								0%	1%	1%	1%	4%	2%
							grade 5 events	2092	2588	7474	2646	8827	3882
								2%	3%	7%	3%	10%	3%
							grade 6 events	1271	1328	25790	1532	21136	6292
								1%	1%	25%	1%	24%	6%
							grade 7 events	72627	65117	37649	67933	32576	69681
								88%	87%	36%	86%	37%	71%

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	148.914665	148.8401755379073	CCD I2 on	O1	Y
[deg] Pointing Dec	69.025376	69.01930359467698	CCD I3 on	O2	Y
[deg] Pointing Roll	161.812845	162.0390987588637	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	318213922.184000	318212699.13275	CCD S5 on	N	N
Observation start date	2008-02-01T00:44:17	2008-02-01T00:24:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318223922.184000	318224347.23331	On-chip summing requested	N	N
Observation end date	2008-02-01T03:30:57	2008-02-01T03:39:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



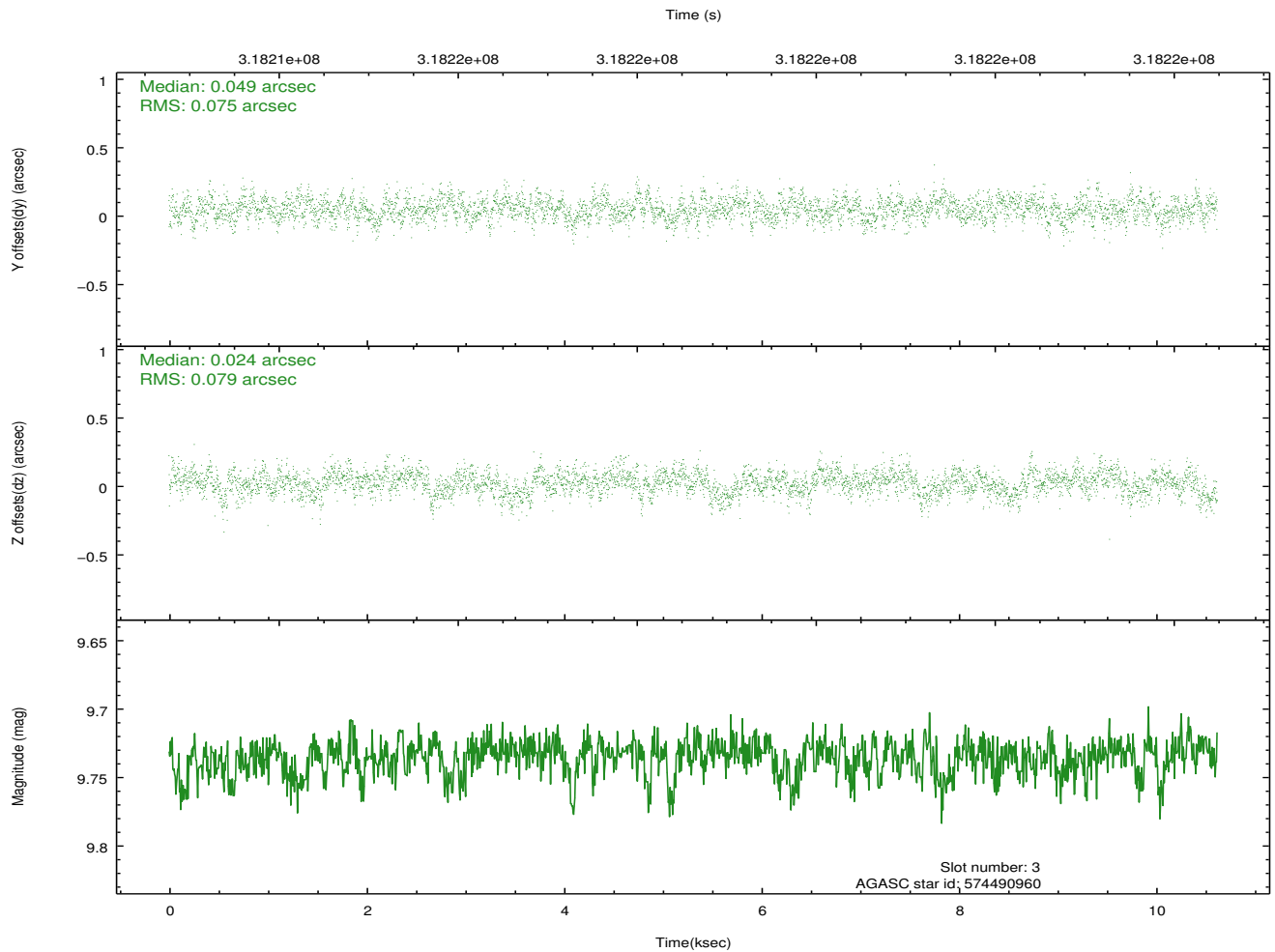
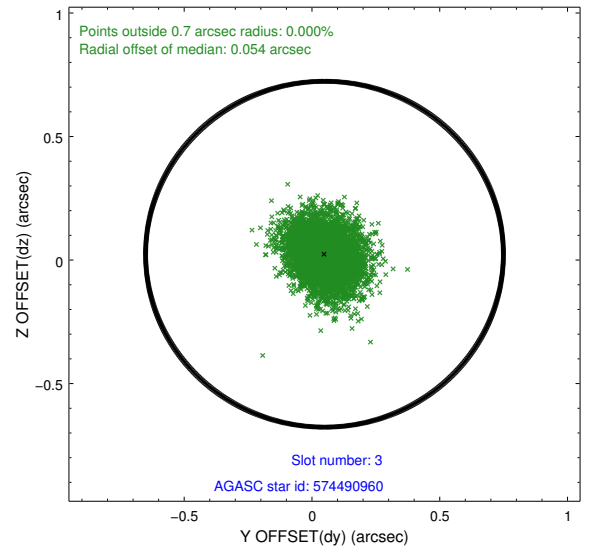
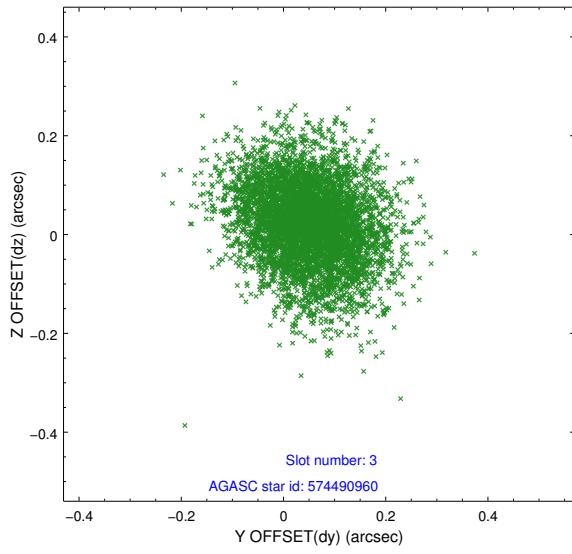


Slot Statistics

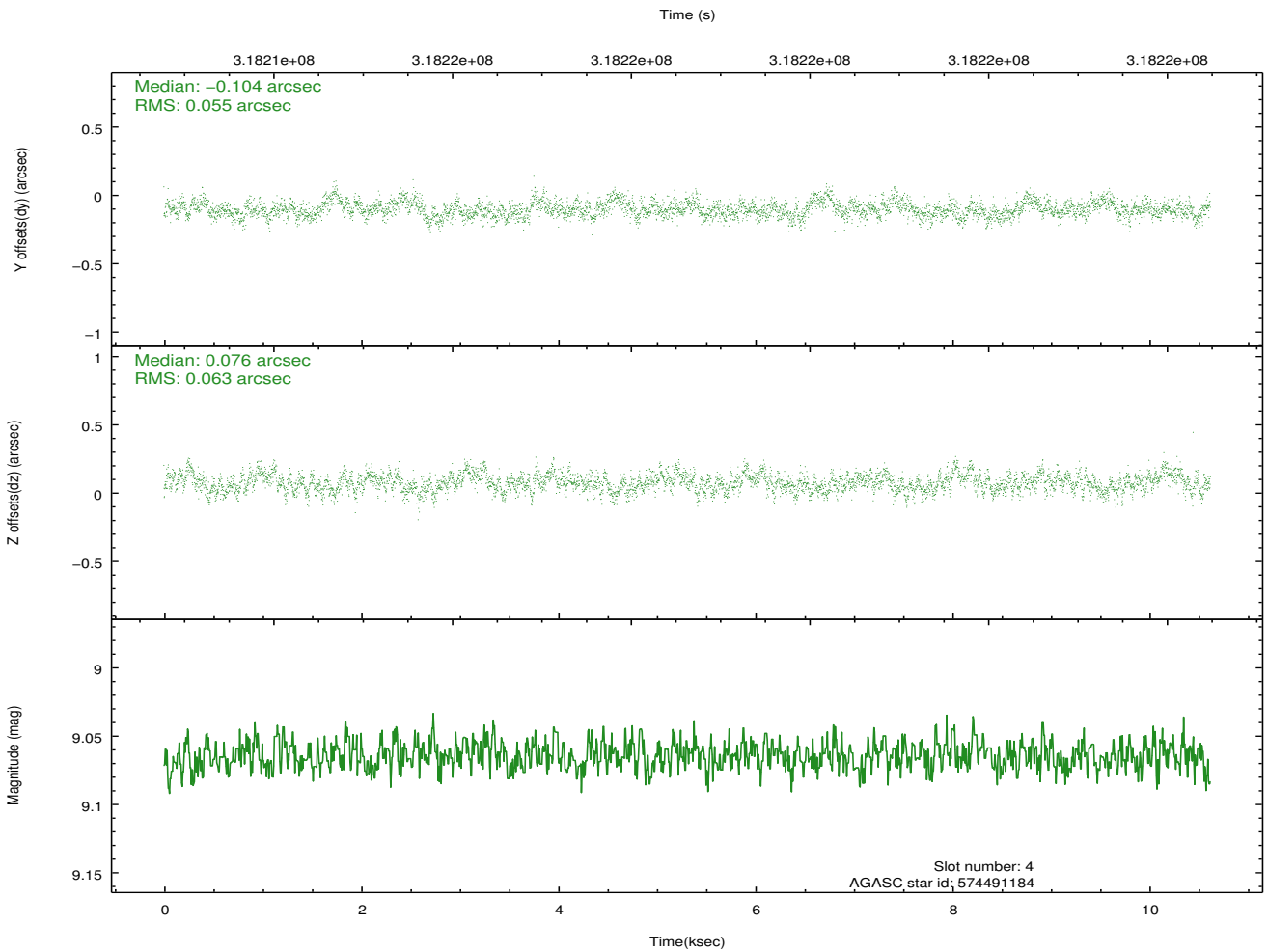
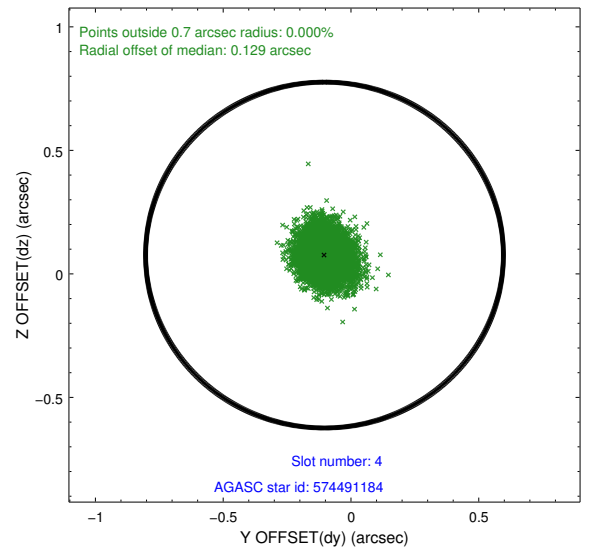
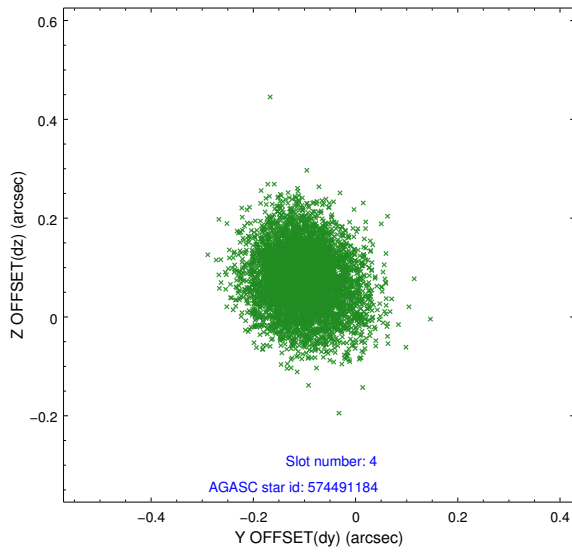
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2591	-0.104	-0.036	0.007	0.011	0.000000	0.000000	-768.14	-1736.28
1	FID	ACIS-S-4	7.19	2591	0.209	0.060	0.006	0.011	0.000000	0.000000	2145.21	171.81
2	FID	ACIS-S-5	7.23	2591	-0.135	-0.015	0.007	0.012	0.000000	0.000000	-1820.40	165.93
3	GUIDE	574490960	9.73	5172	0.049	0.024	0.116	0.191	148.185918	69.658768	1580.61	-1886.25
4	GUIDE	574491184	9.06	5177	-0.104	0.076	0.089	0.143	148.582453	69.768699	1229.49	-2414.35
5	GUIDE	574491280	9.33	5178	0.038	-0.007	0.104	0.174	148.611567	69.450135	842.97	-1333.33
6	GUIDE	574500920	10.09	5177	0.059	0.029	0.137	0.218	147.014605	68.742334	2049.95	1705.73
7	GUIDE	574497600	10.43	5160	-0.046	-0.123	0.196	0.316	147.824120	68.451903	729.93	2399.80

2.4 Star Slots

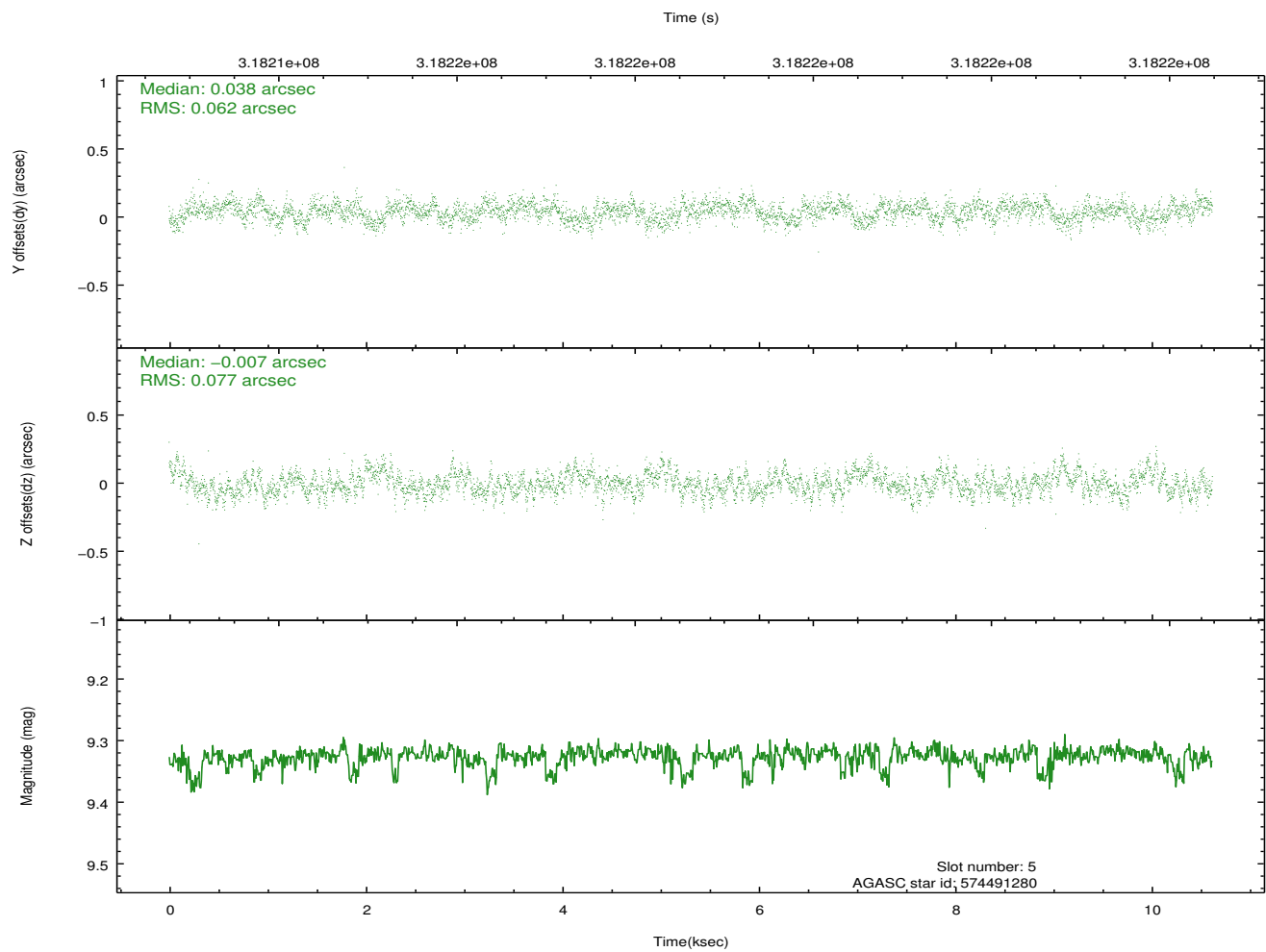
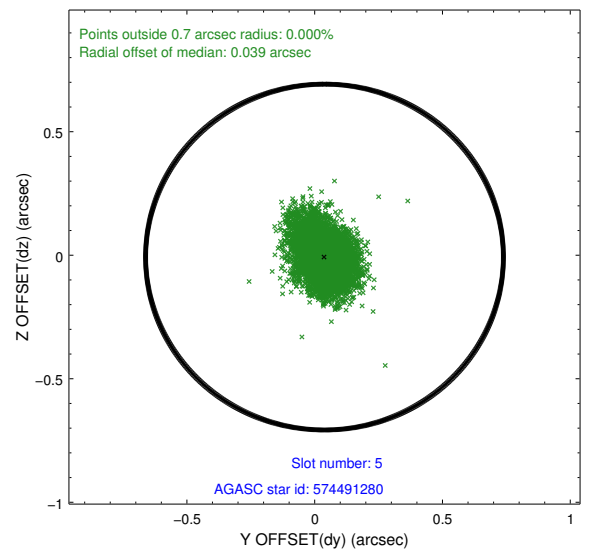
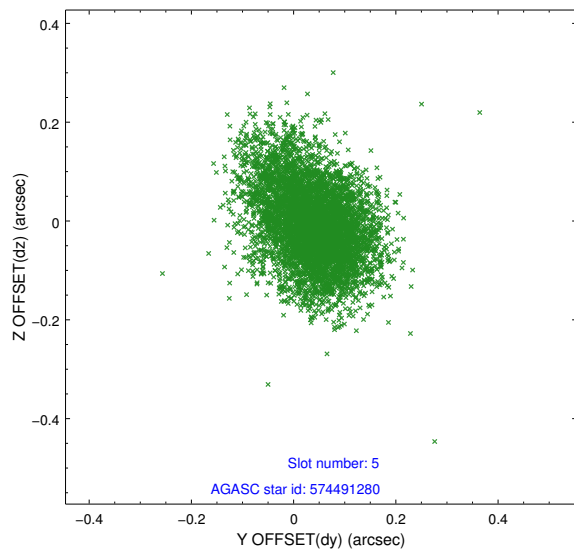
2.4.1 Slot 3



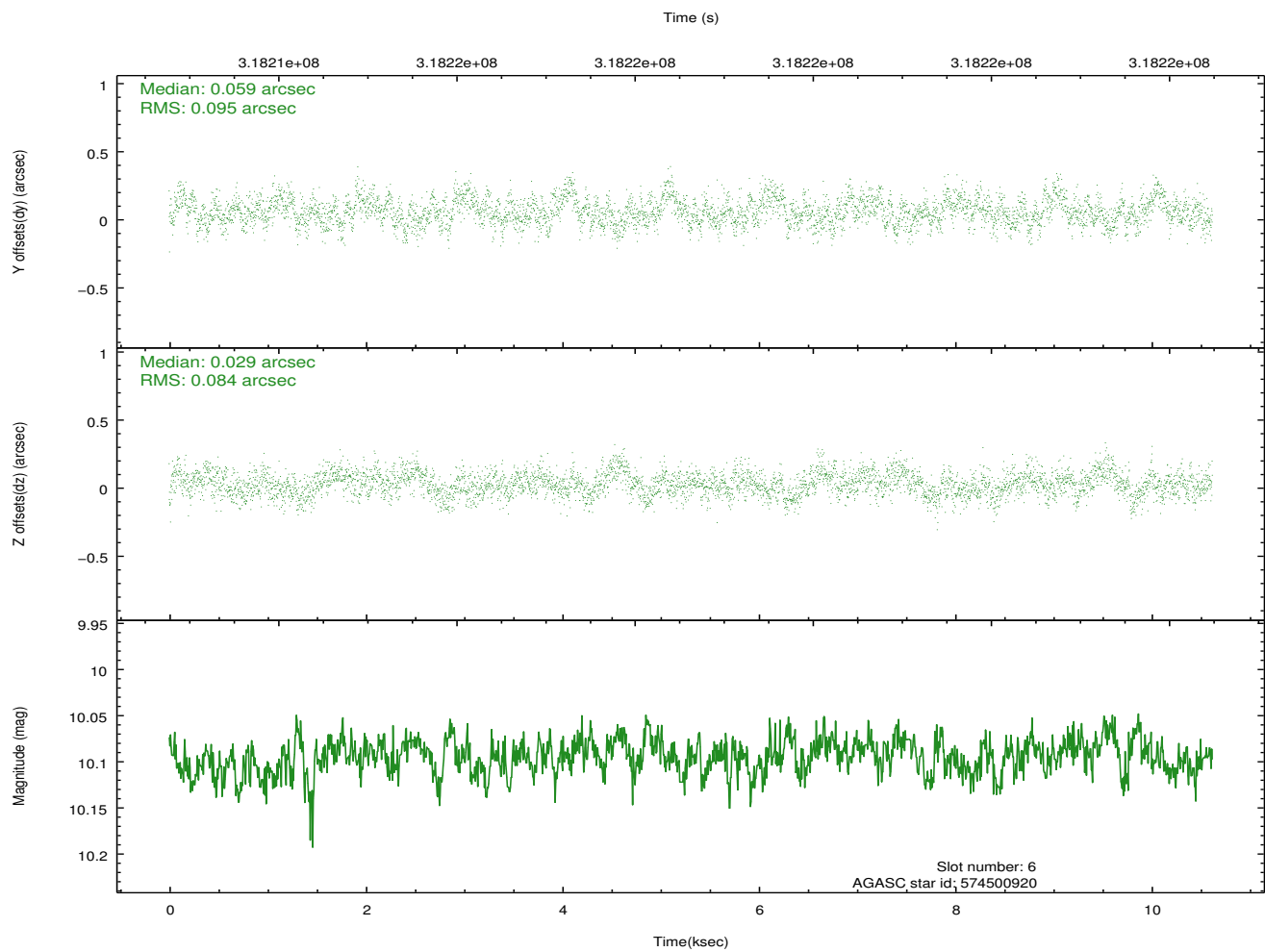
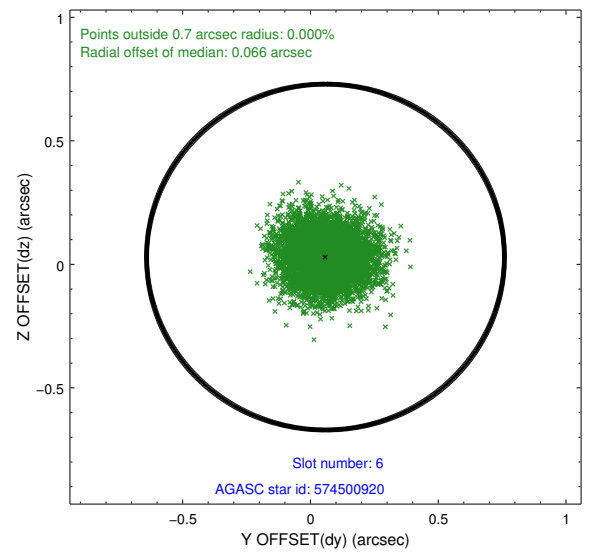
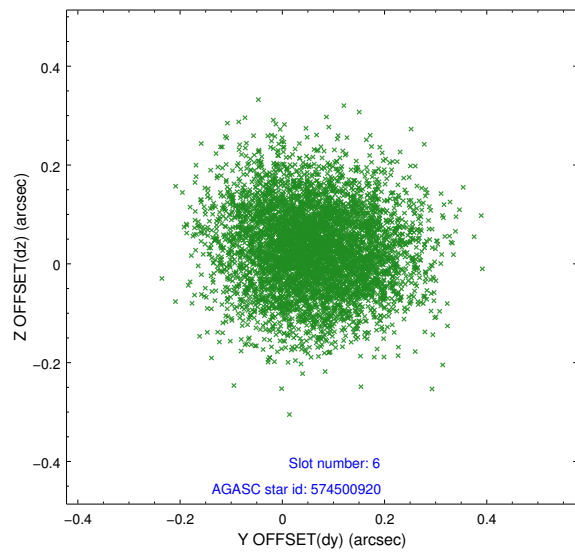
2.4.2 Slot 4



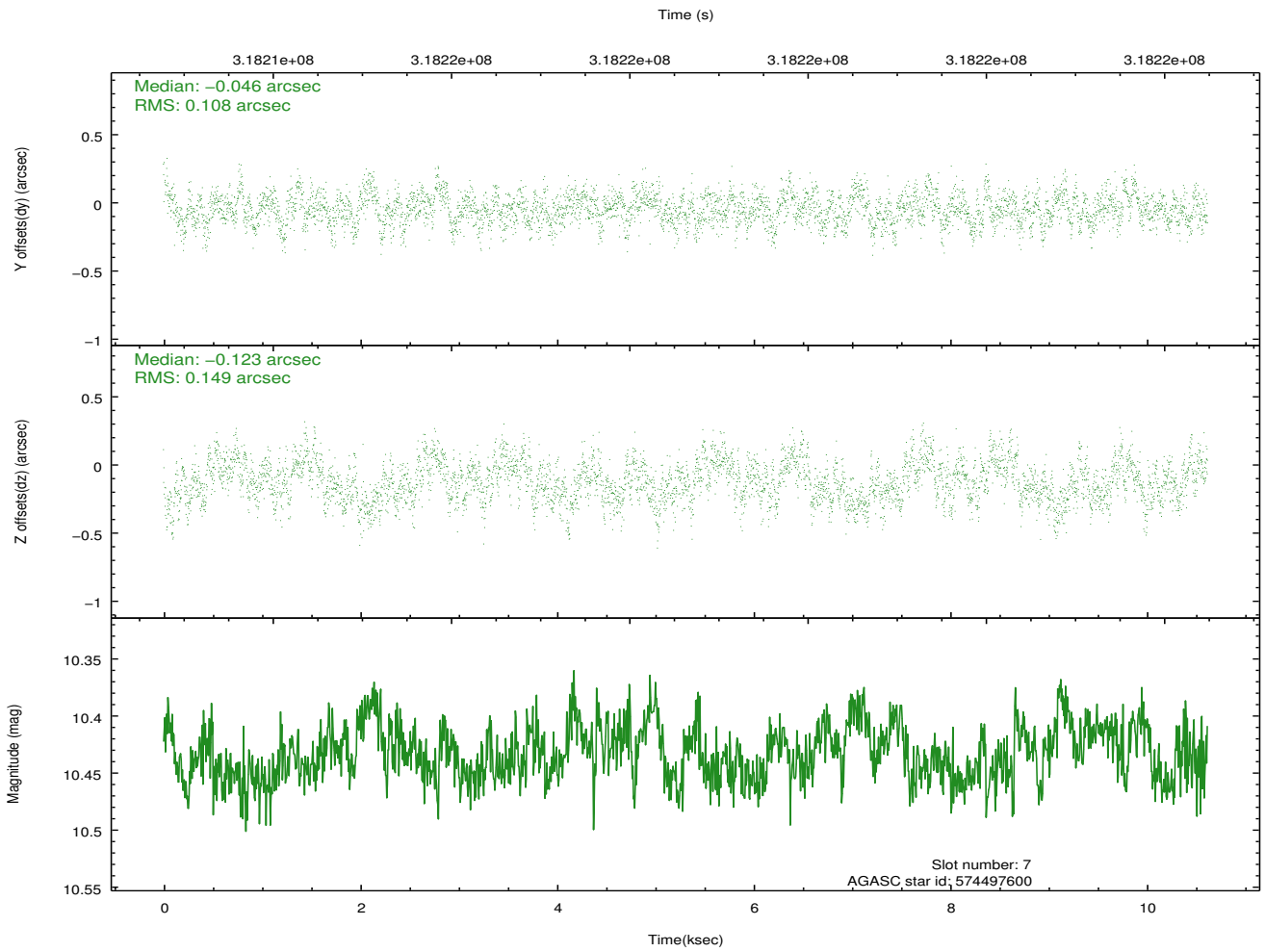
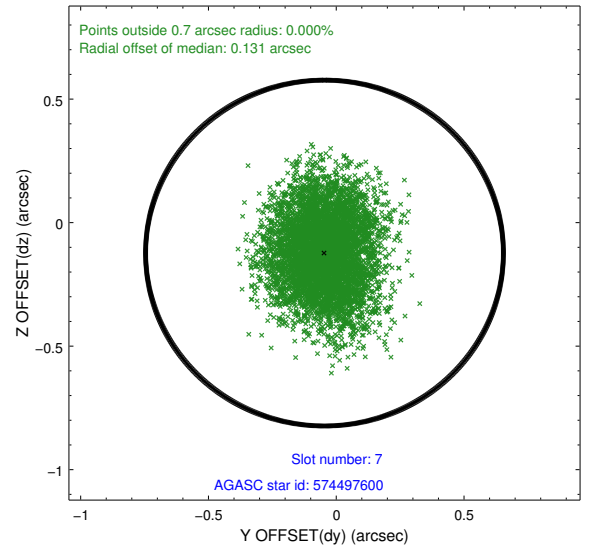
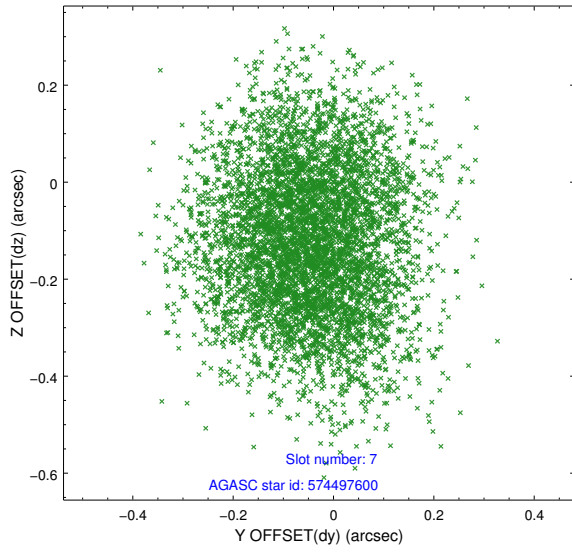
2.4.3 Slot 5



2.4.4 Slot 6

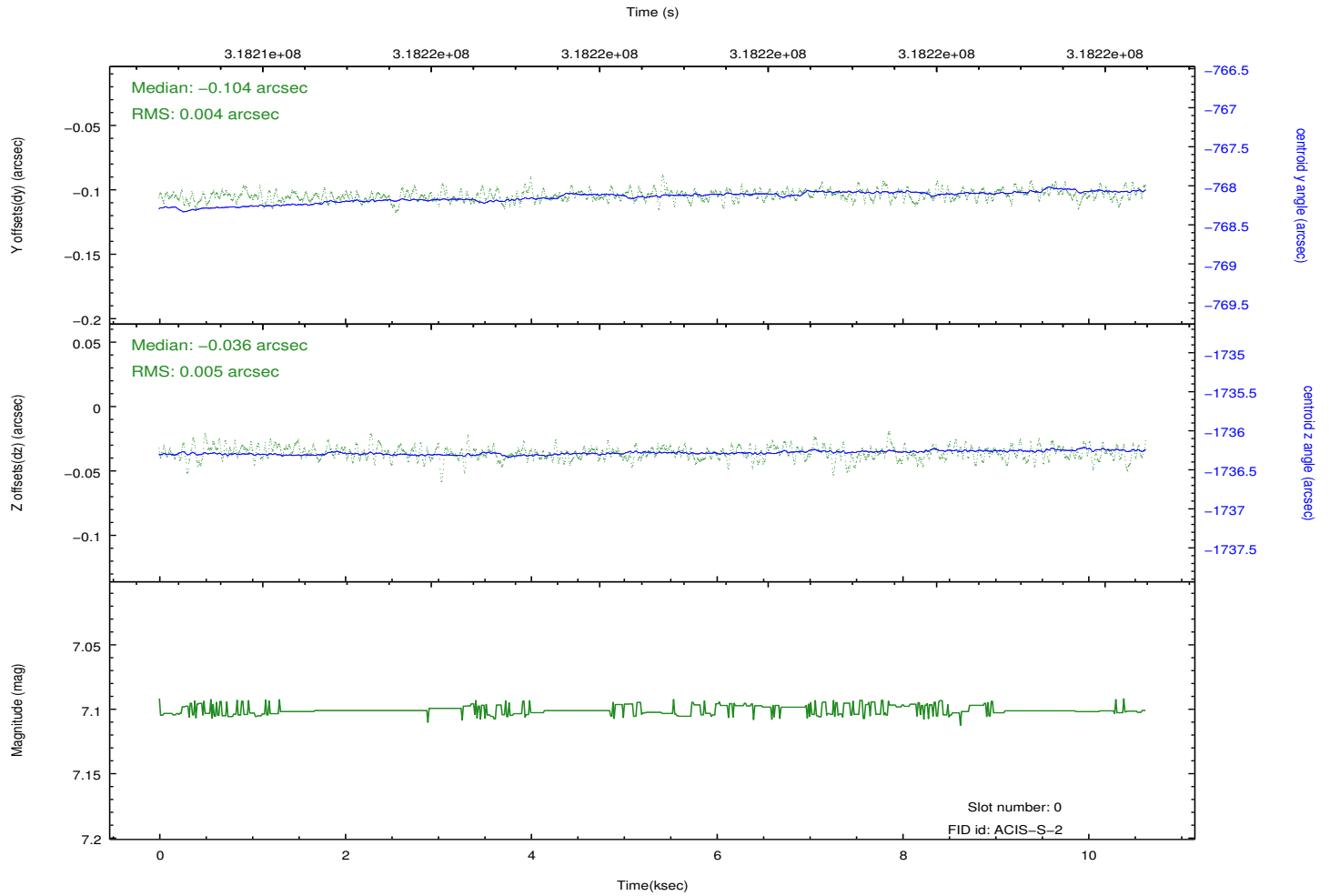
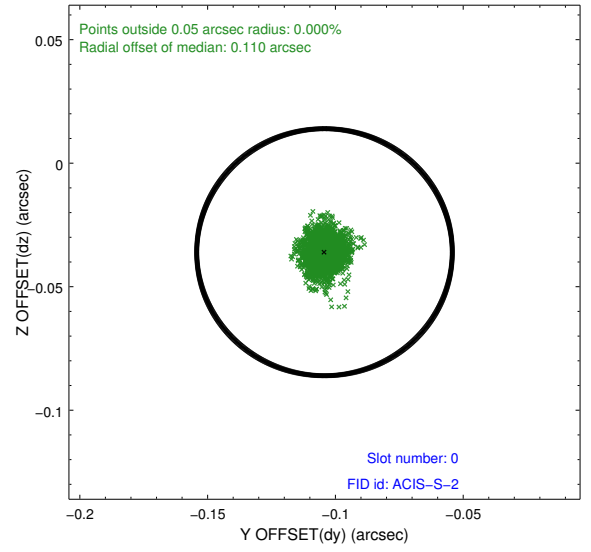
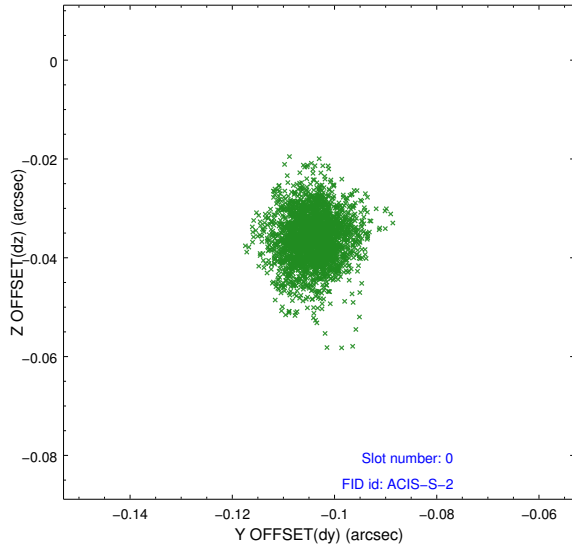


2.4.5 Slot 7

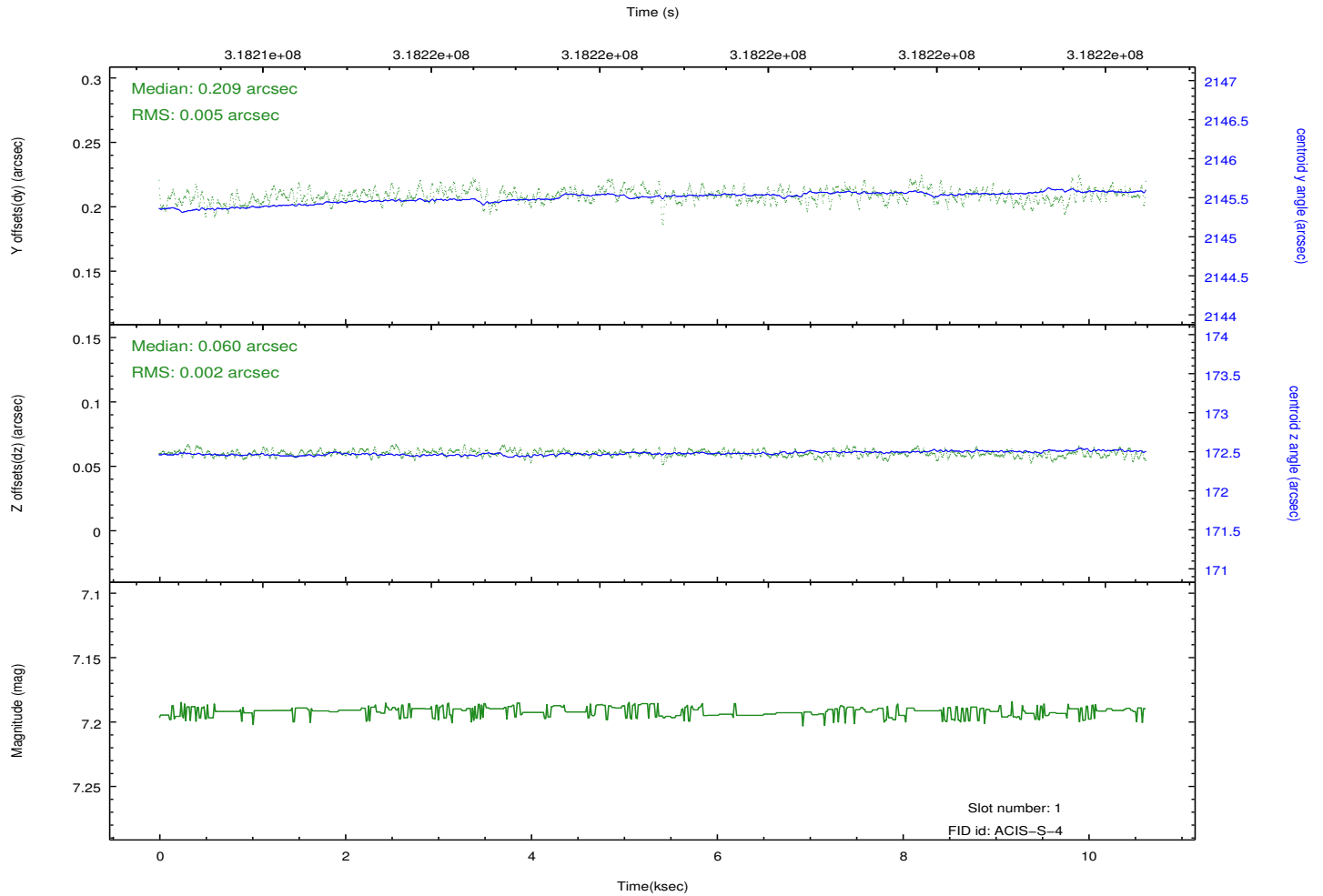
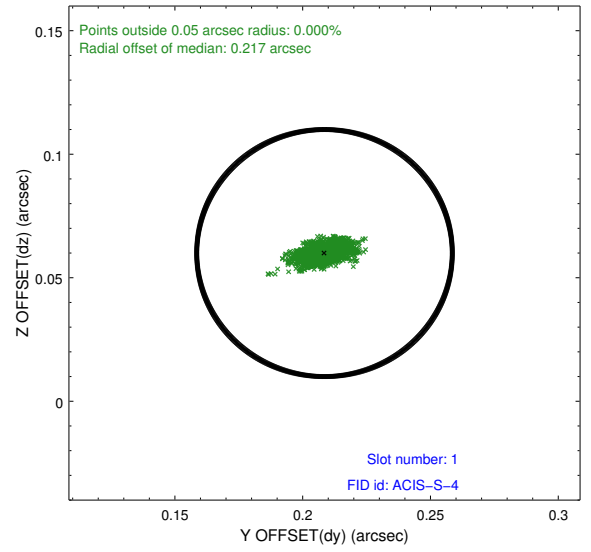
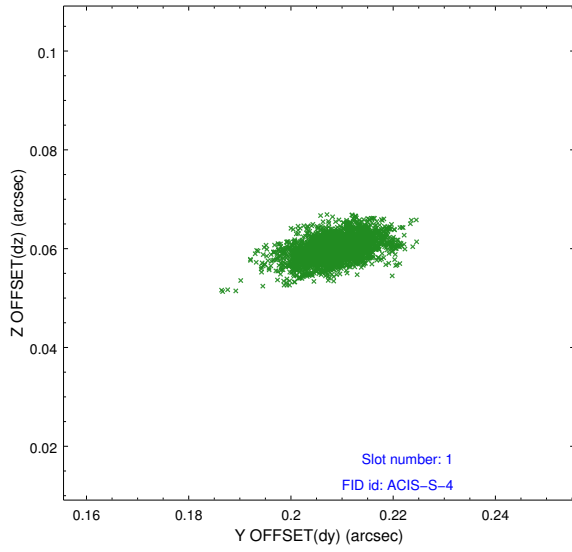


2.5 FID Slots

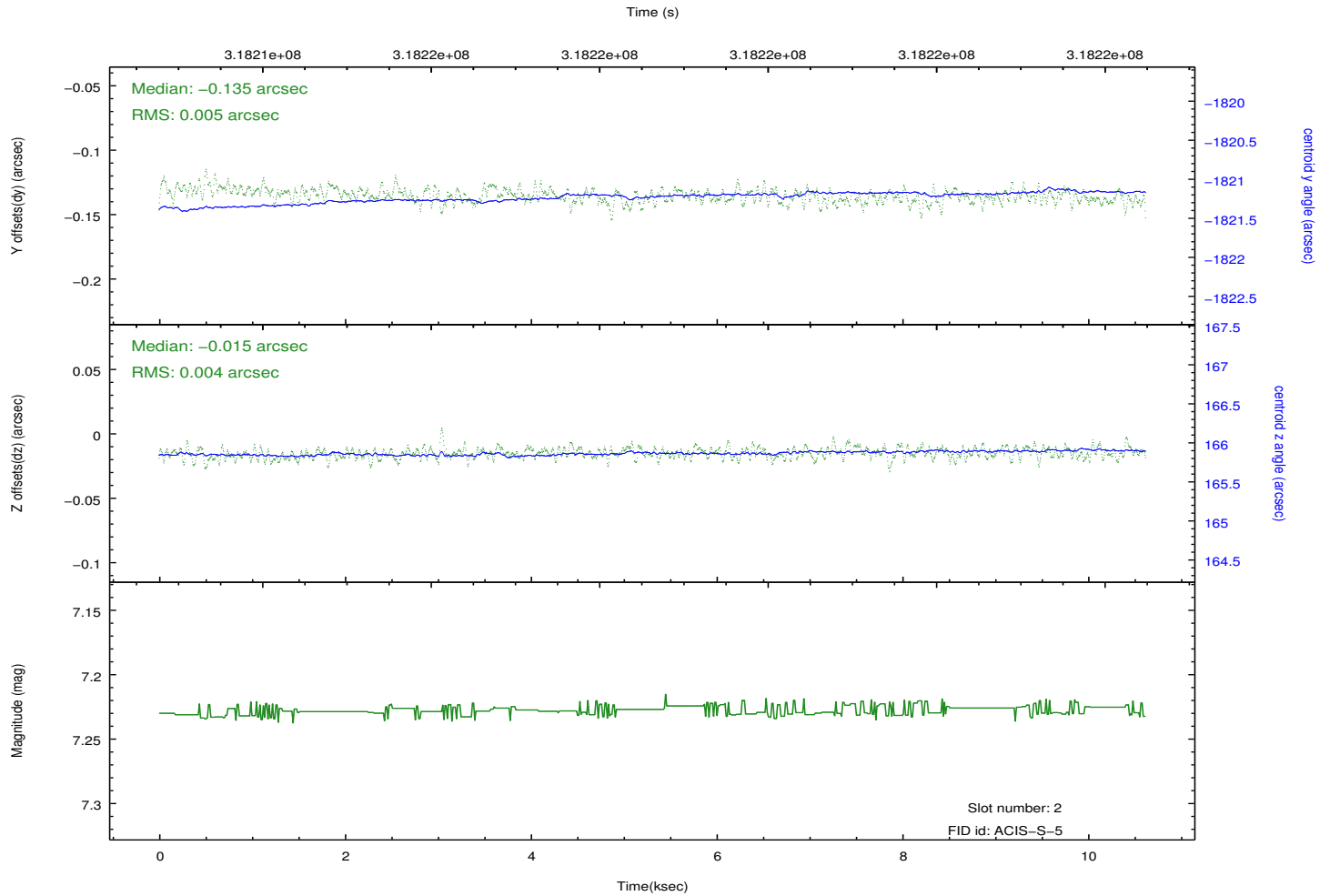
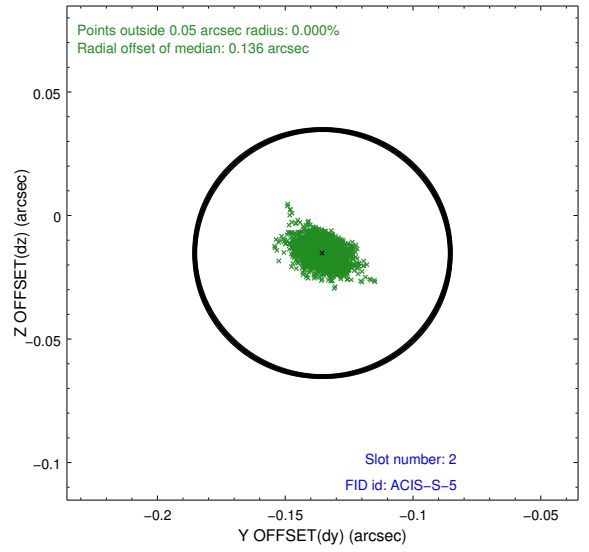
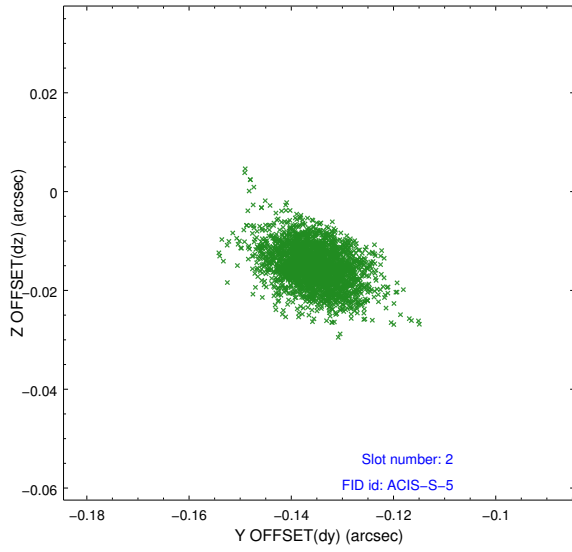
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0383999

A.2 Comments