

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10147 - L2 Version 2
Chandra X-Ray Center

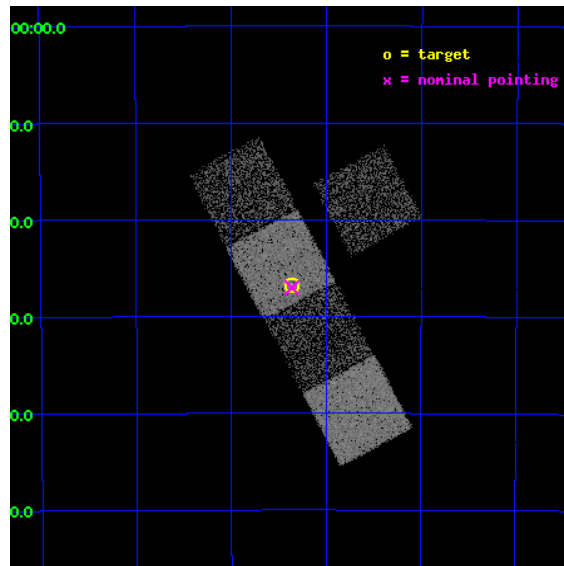
L2 Processing Date : Jun 6 2012

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1 Front

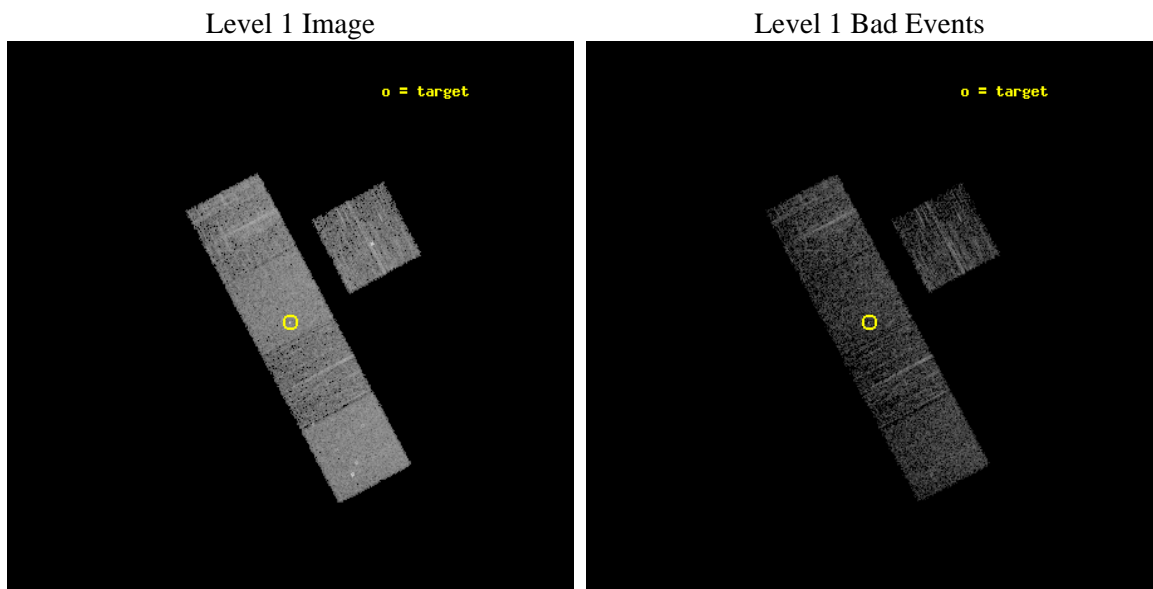
seq_num	501074	Sequence number
obs_id	10147	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ070424.9-482639	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	106.089583	Observer's specified target RA [deg]
dec_targ	-48.446	Observer's specified target Dec [deg]
ra_nom	106.09025661279	Nominal RA [deg]
dec_nom	-48.450773421766	Nominal Dec [deg]
roll_nom	241.96324256193	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2176.200016737	Sum of GTIs [s]
livetime	2147.7663614232	Livetime [s]
ontime3	2176.200016737	Sum of GTIs [s]
ontime5	2176.200016737	Sum of GTIs [s]
ontime6	2176.200016737	Sum of GTIs [s]
ontime7	2176.200016737	Sum of GTIs [s]
ontime8	2176.200016737	Sum of GTIs [s]
l2events	36678	Number of level 2 events



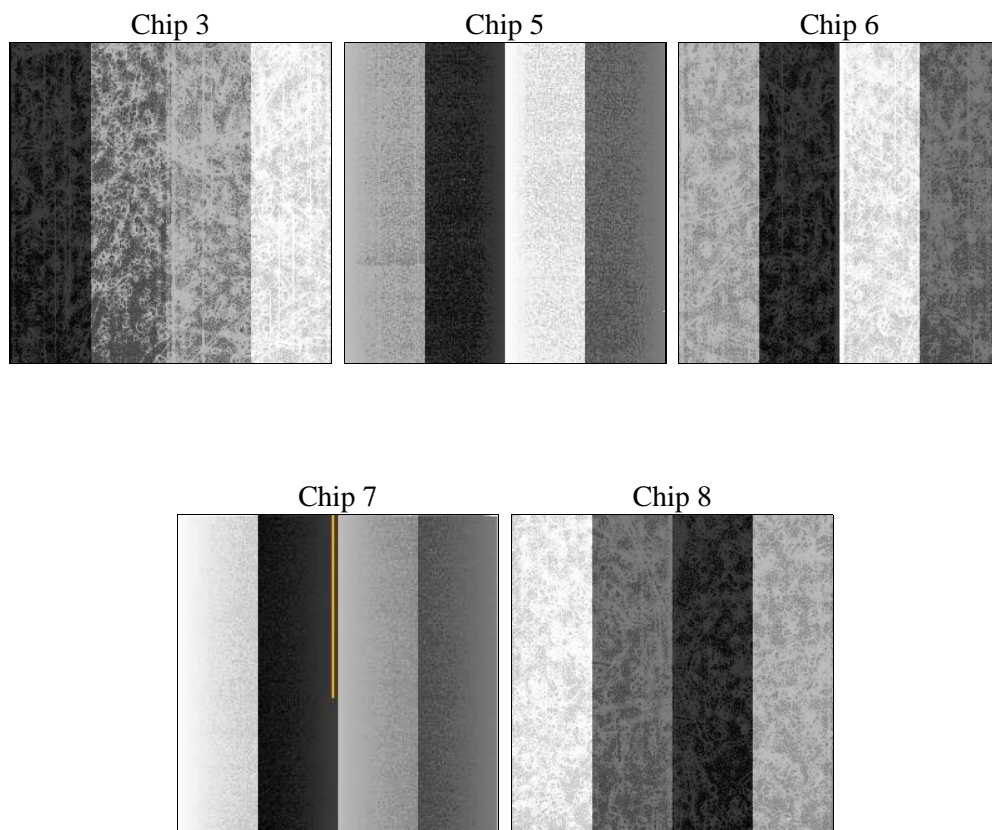
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2176.200016737	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	2176.200016737	Sum of GTIs [s]
date	2012-06-06T06:38:43	Date and time of file creation	ontime5	2176.200016737	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2176.200016737	Sum of GTIs [s]
			ontime7	2176.200016737	Sum of GTIs [s]
			ontime8	2176.200016737	Sum of GTIs [s]
			l1events	149355	Number of level 1 events

2.1.4 Events

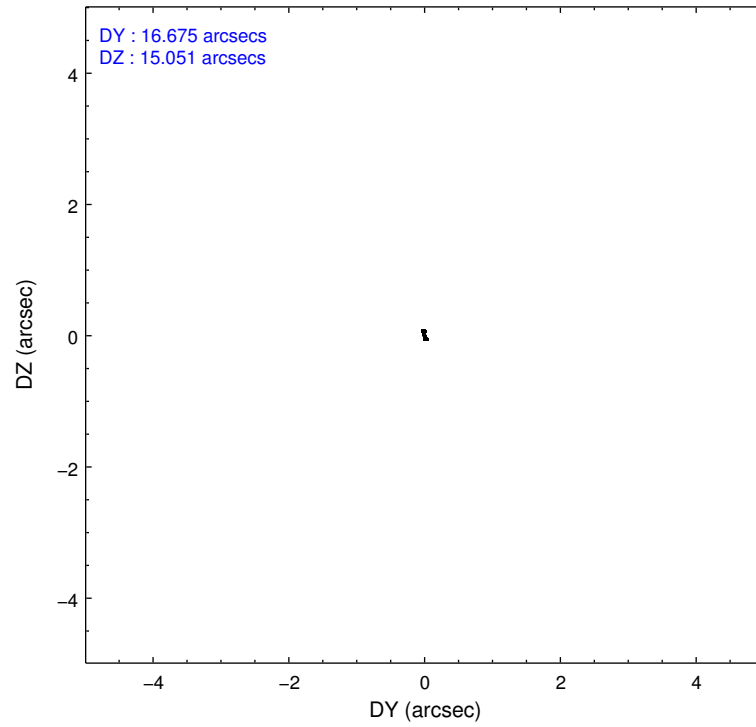
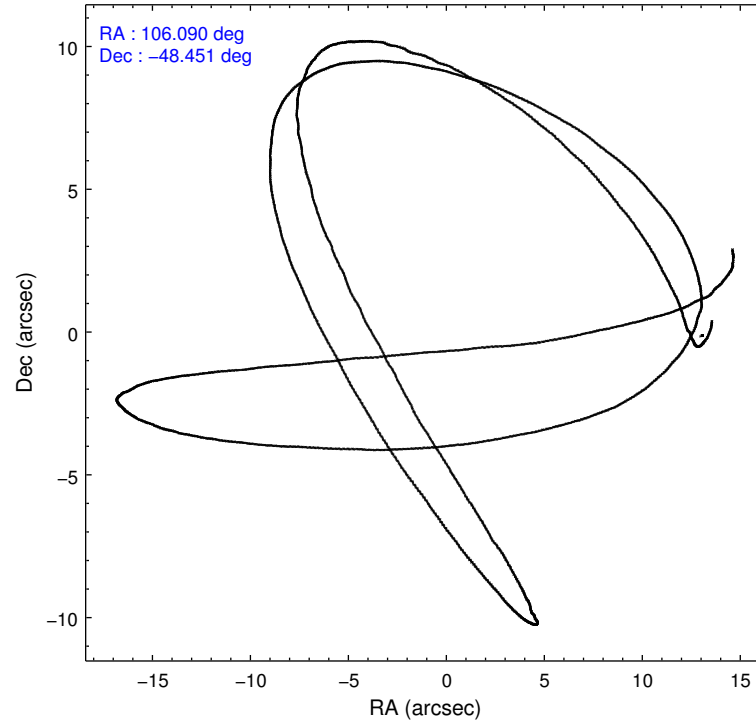
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23775	37538	22524	34533	30985
rejected events	20318	20877	19760	20644	24060
rejected %	85%	55%	87%	59%	77%

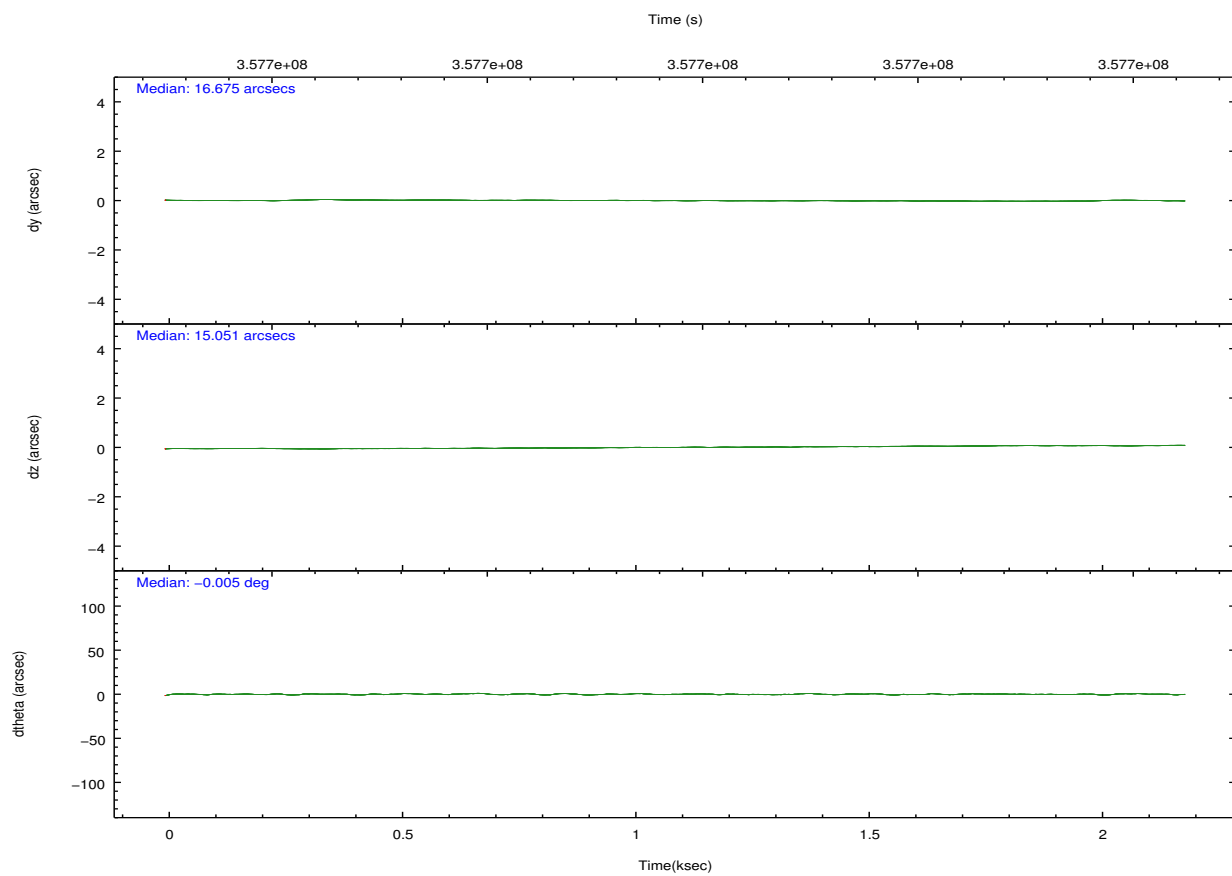
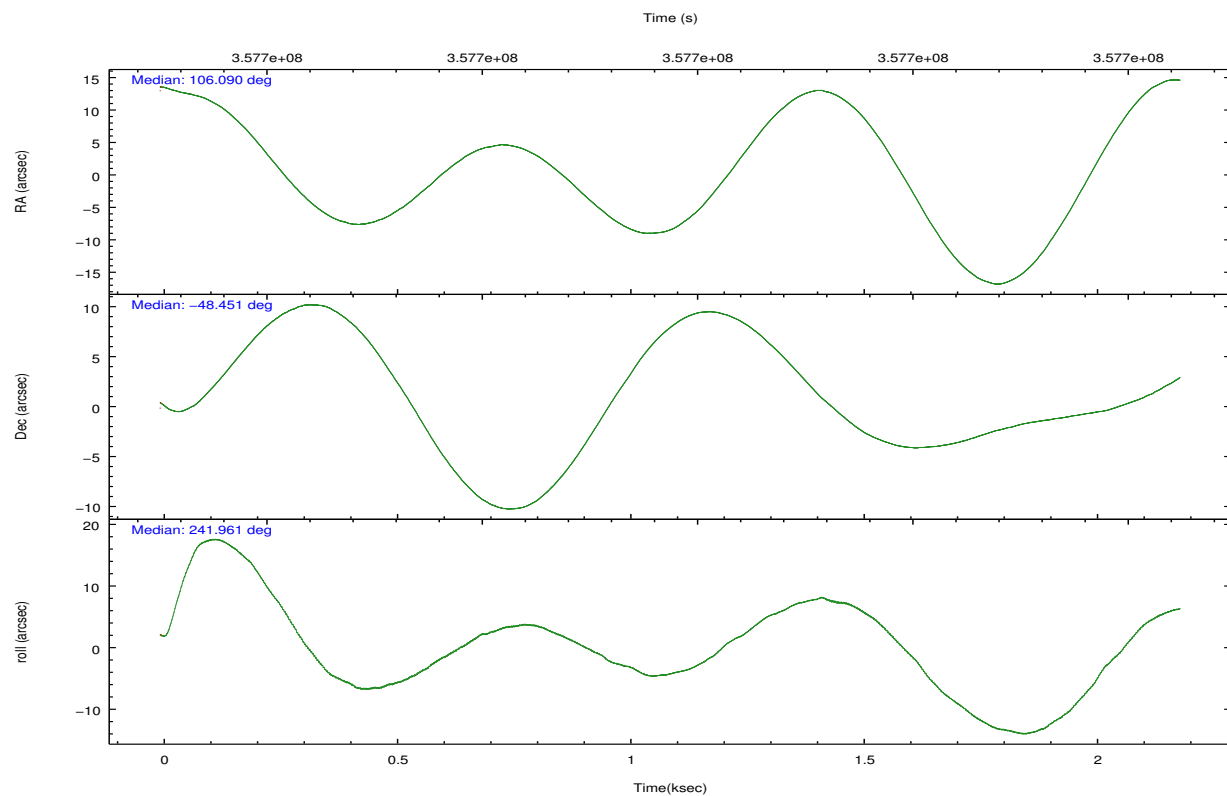
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1288	1468	1110	1318	2326
	5%	3%	4%	3%	7%
grade 1 events	18	103	17	63	19
	0%	0%	0%	0%	0%
grade 2 events	542	5495	629	2926	1490
	2%	14%	2%	8%	4%
grade 3 events	674	569	250	1235	822
	2%	1%	1%	3%	2%
grade 4 events	557	601	265	1211	738
	2%	1%	1%	3%	2%
grade 5 events	1169	2607	1229	3167	1543
	4%	6%	5%	9%	4%
grade 6 events	528	9094	587	7698	1757
	2%	24%	2%	22%	5%
grade 7 events	18999	17601	18437	16915	22290
	79%	46%	81%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	106.088081	106.0902566127928	CCD I2 on	N	N
[deg] Pointing Dec	-48.423525	-48.45077342176592	CCD I3 on	Y	Y
[deg] Pointing Roll	241.805057	241.9632425619251	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	357699025.184000	357697987.10854	CCD S5 on	N	N
Observation start date	2009-05-03T00:49:19	2009-05-03T00:33:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	357701025.184000	357702487.88376	On-chip summing requested	N	N
Observation end date	2009-05-03T01:22:39	2009-05-03T01:48:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



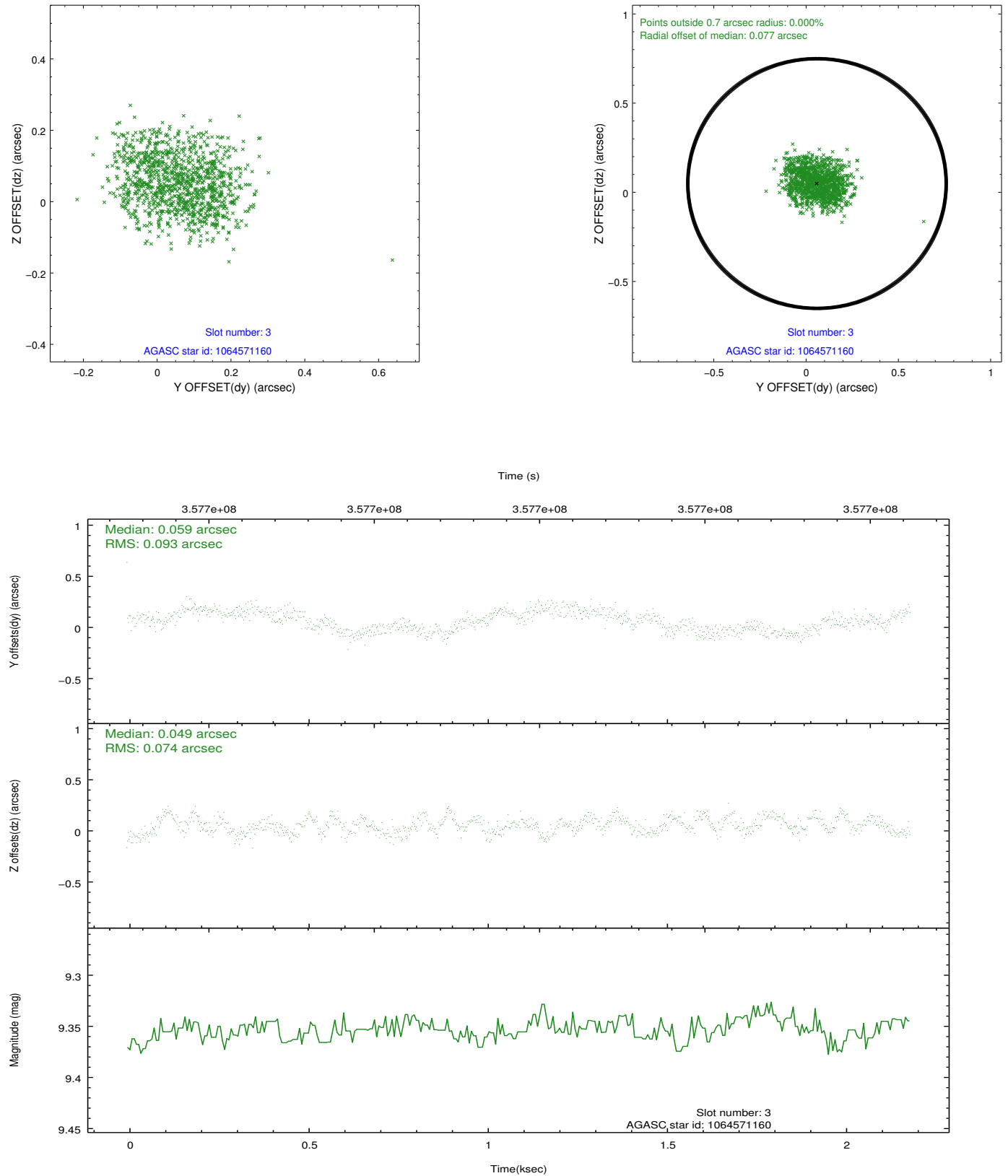


Slot Statistics

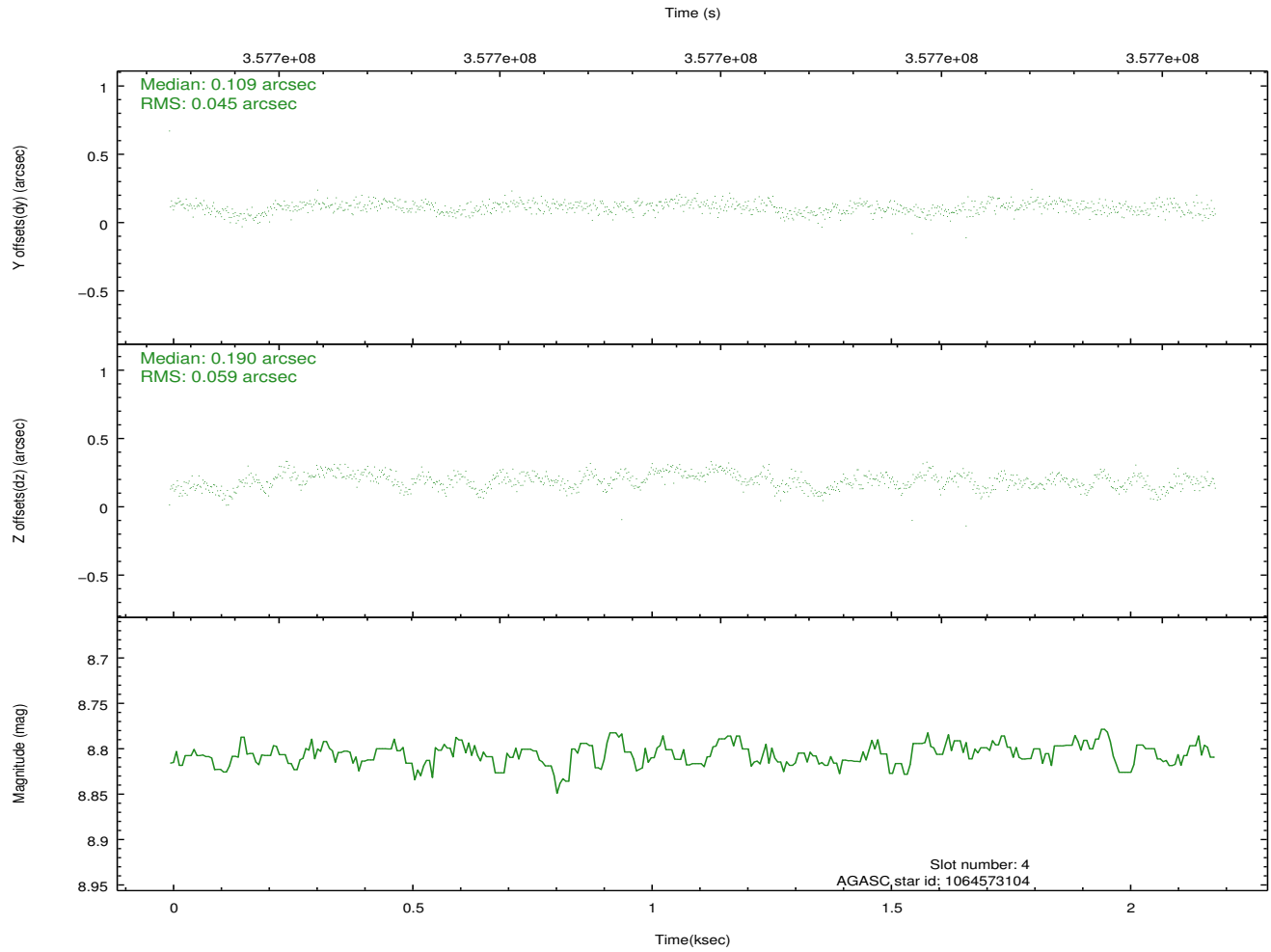
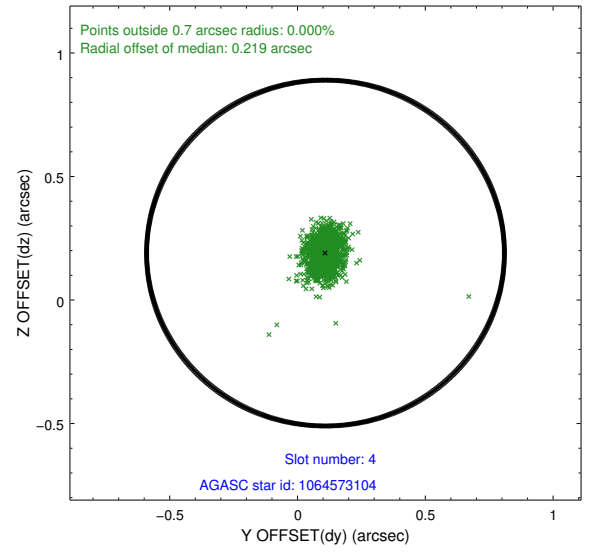
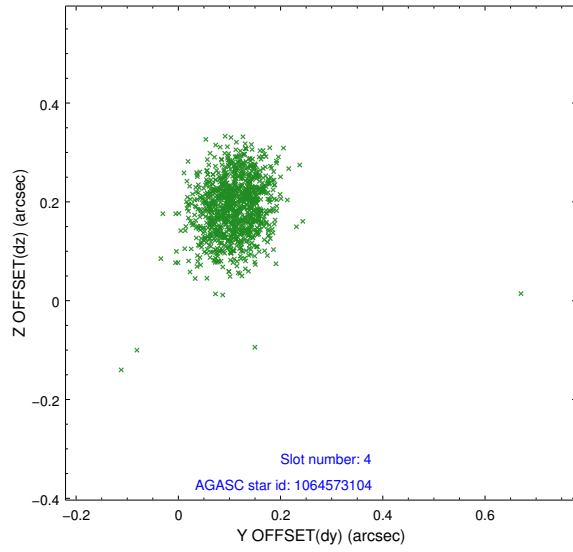
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	534	-0.100	-0.037	0.006	0.010	0.000000	0.000000	-769.77	-1736.43
1	FID	ACIS-S-4	7.04	534	0.209	0.058	0.005	0.009	0.000000	0.000000	2142.43	169.09
2	FID	ACIS-S-5	7.07	534	-0.139	-0.013	0.006	0.011	0.000000	0.000000	-1818.86	166.03
3	GUIDE	1064571160	9.35	1067	0.059	0.049	0.129	0.191	105.954284	-47.823186	-1750.71	-1306.18
4	GUIDE	1064573104	8.81	1066	0.109	0.190	0.075	0.122	105.927553	-47.765158	-1905.67	-1463.18
5	GUIDE	1064583544	9.65	1066	0.090	-0.076	0.153	0.251	104.855673	-48.595886	1953.29	-2283.11
6	GUIDE	1065102096	8.90	1066	0.084	-0.159	0.073	0.118	105.745828	-48.870891	1806.66	45.26
7	GUIDE	1065105600	7.55	1066	-0.326	-0.001	0.056	0.088	106.289320	-49.073997	1842.32	1525.11

2.4 Star Slots

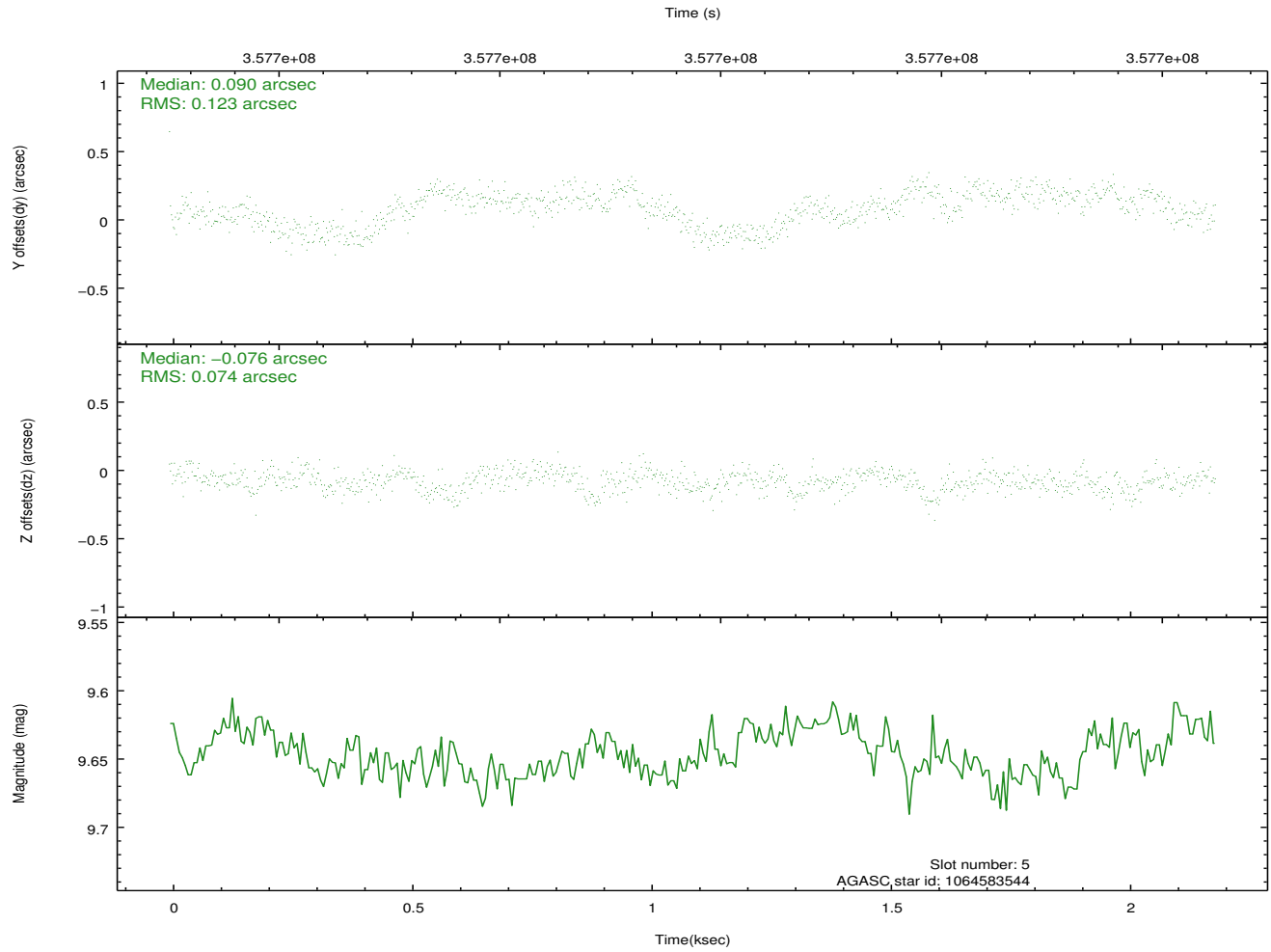
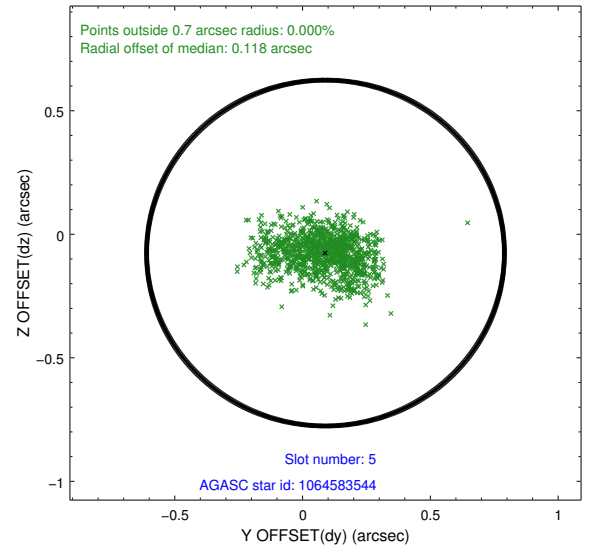
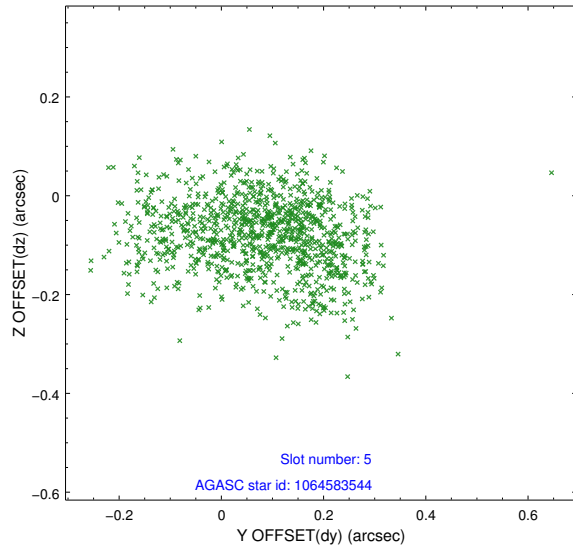
2.4.1 Slot 3



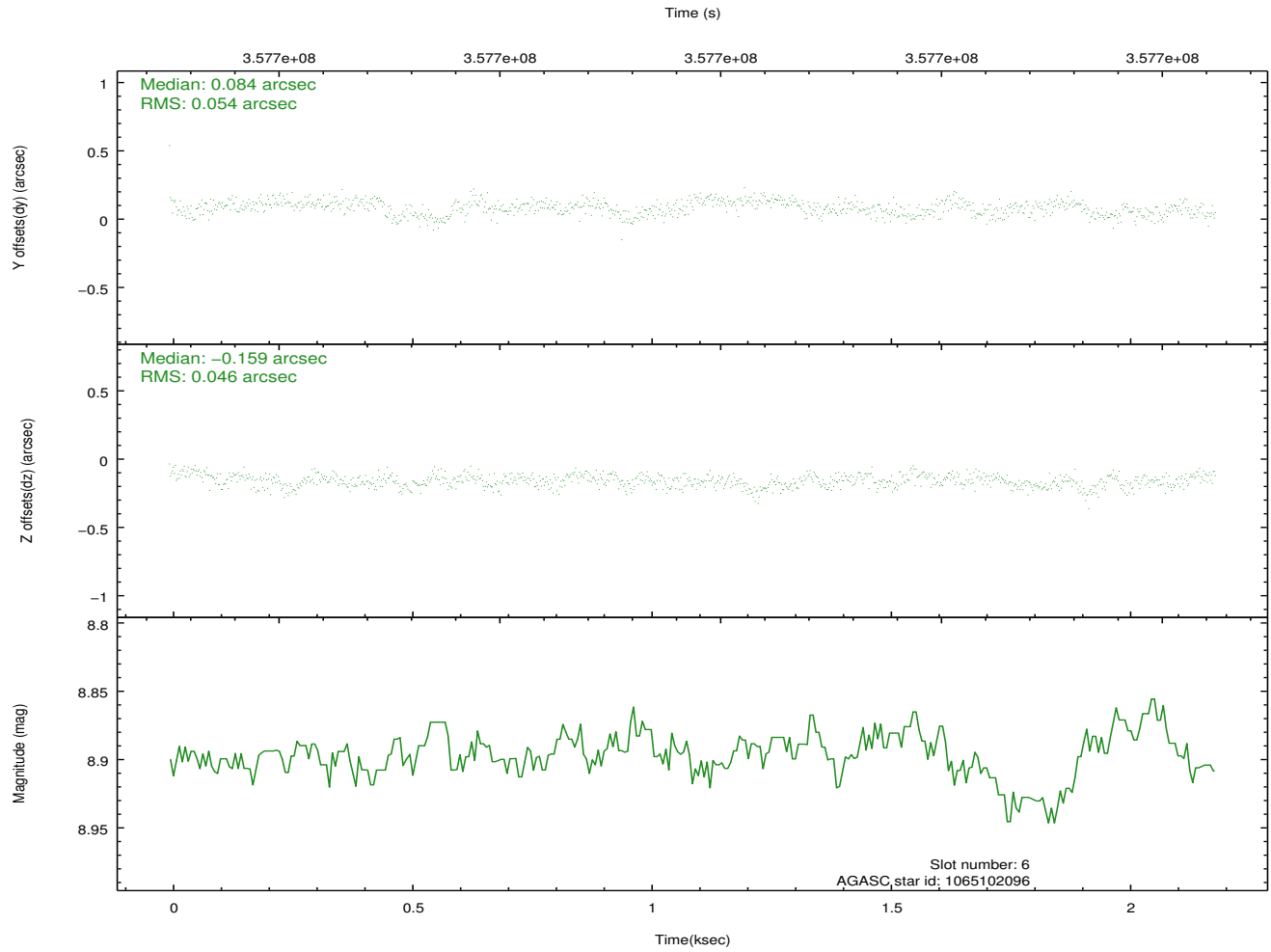
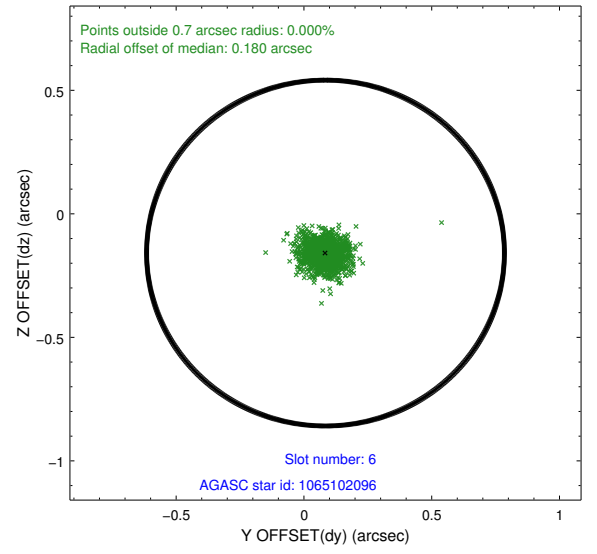
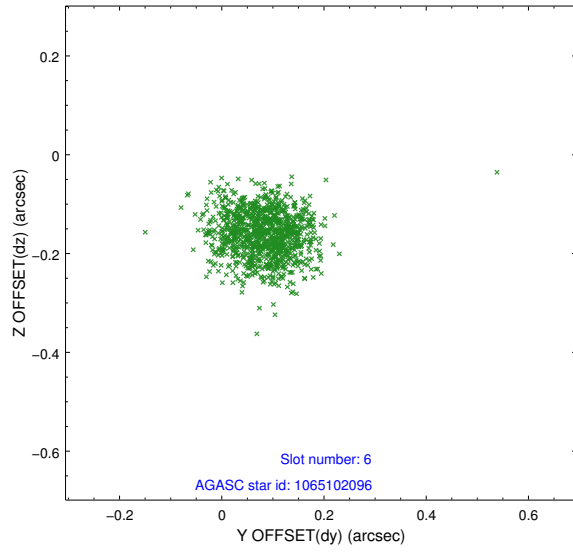
2.4.2 Slot 4



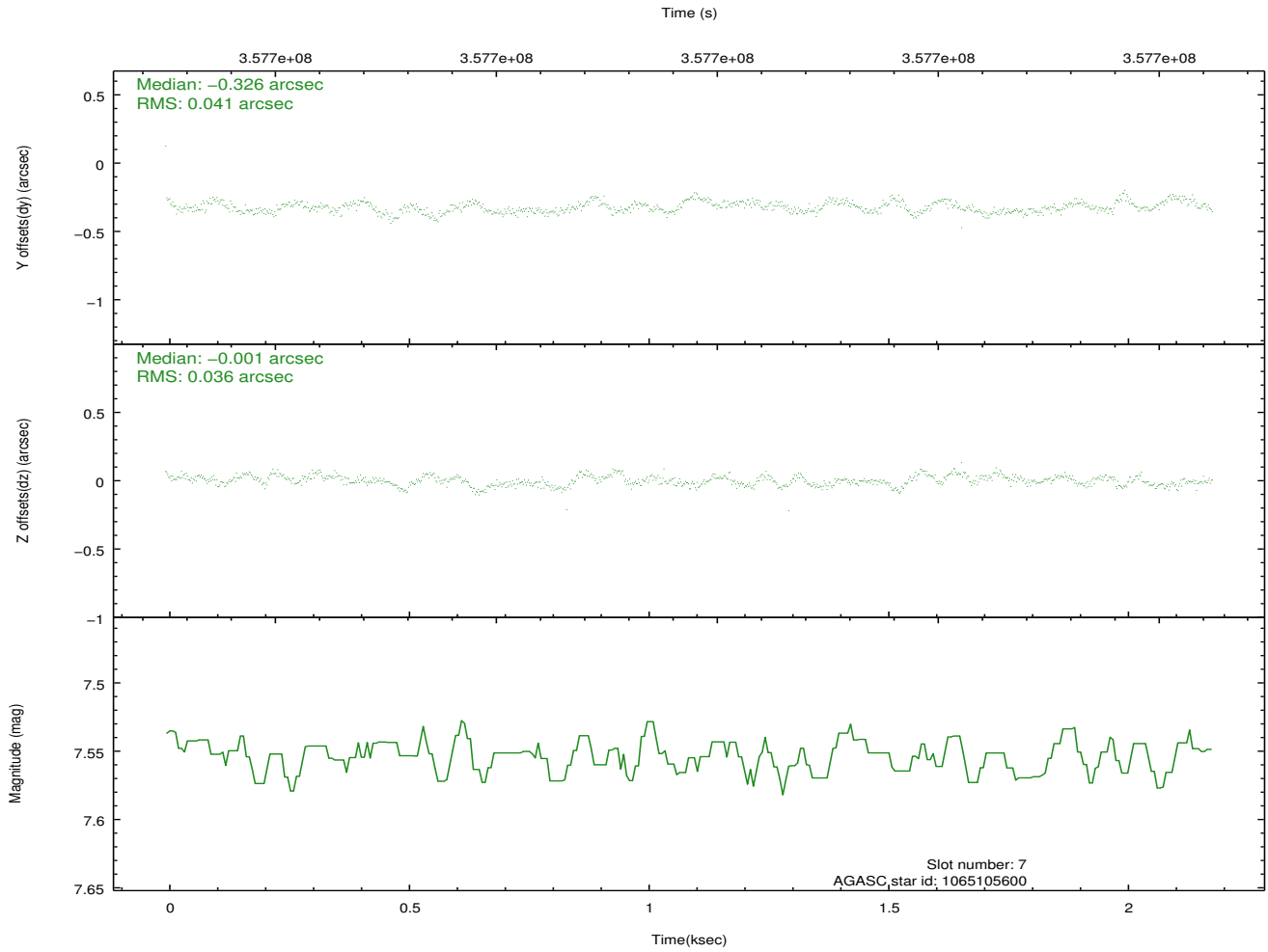
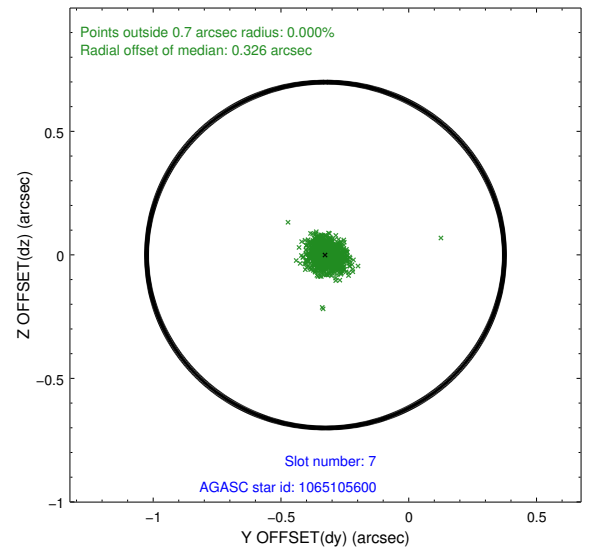
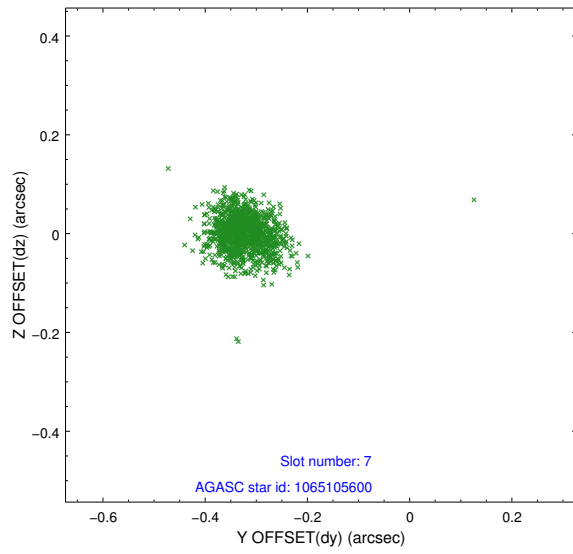
2.4.3 Slot 5



2.4.4 Slot 6

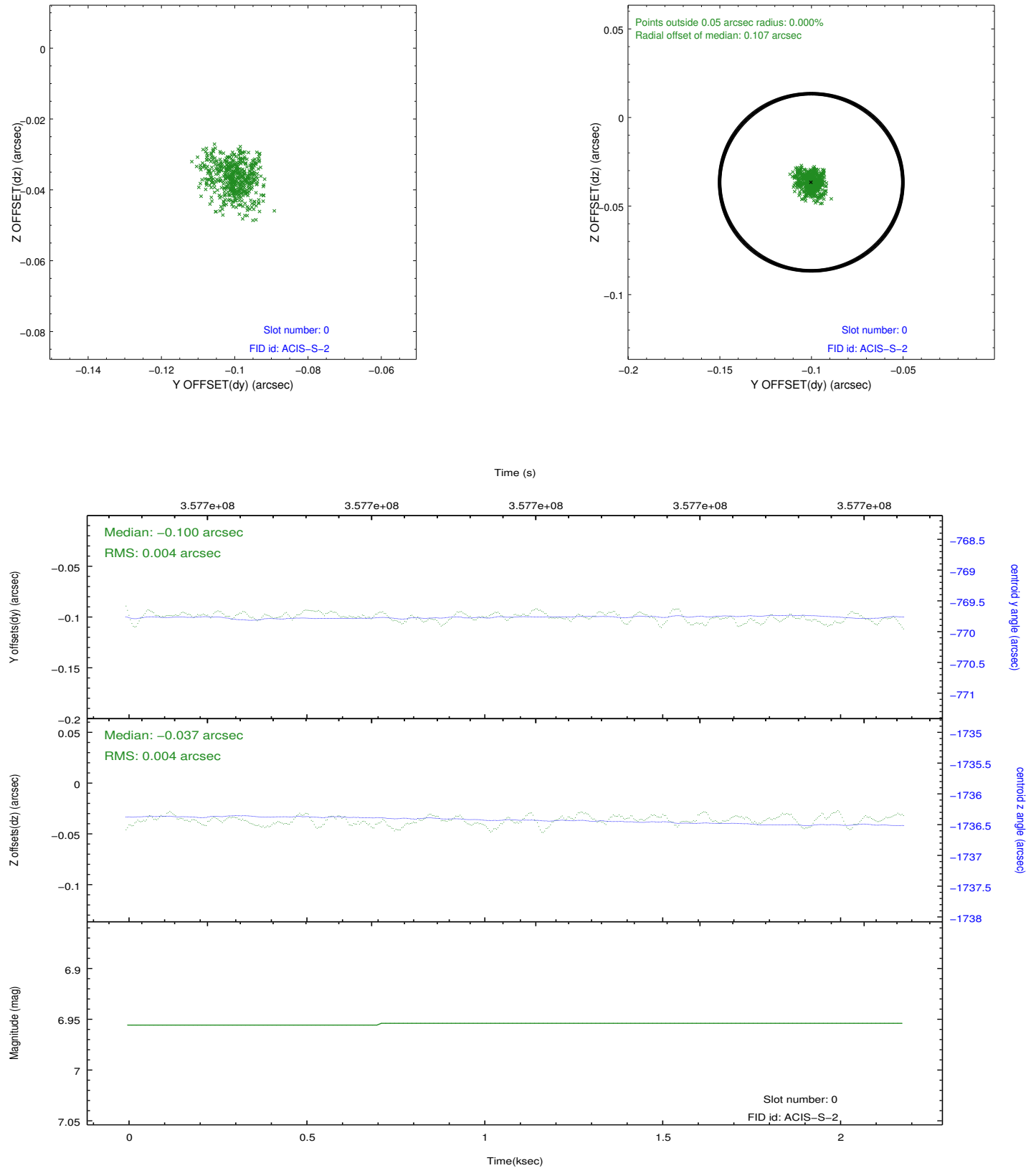


2.4.5 Slot 7

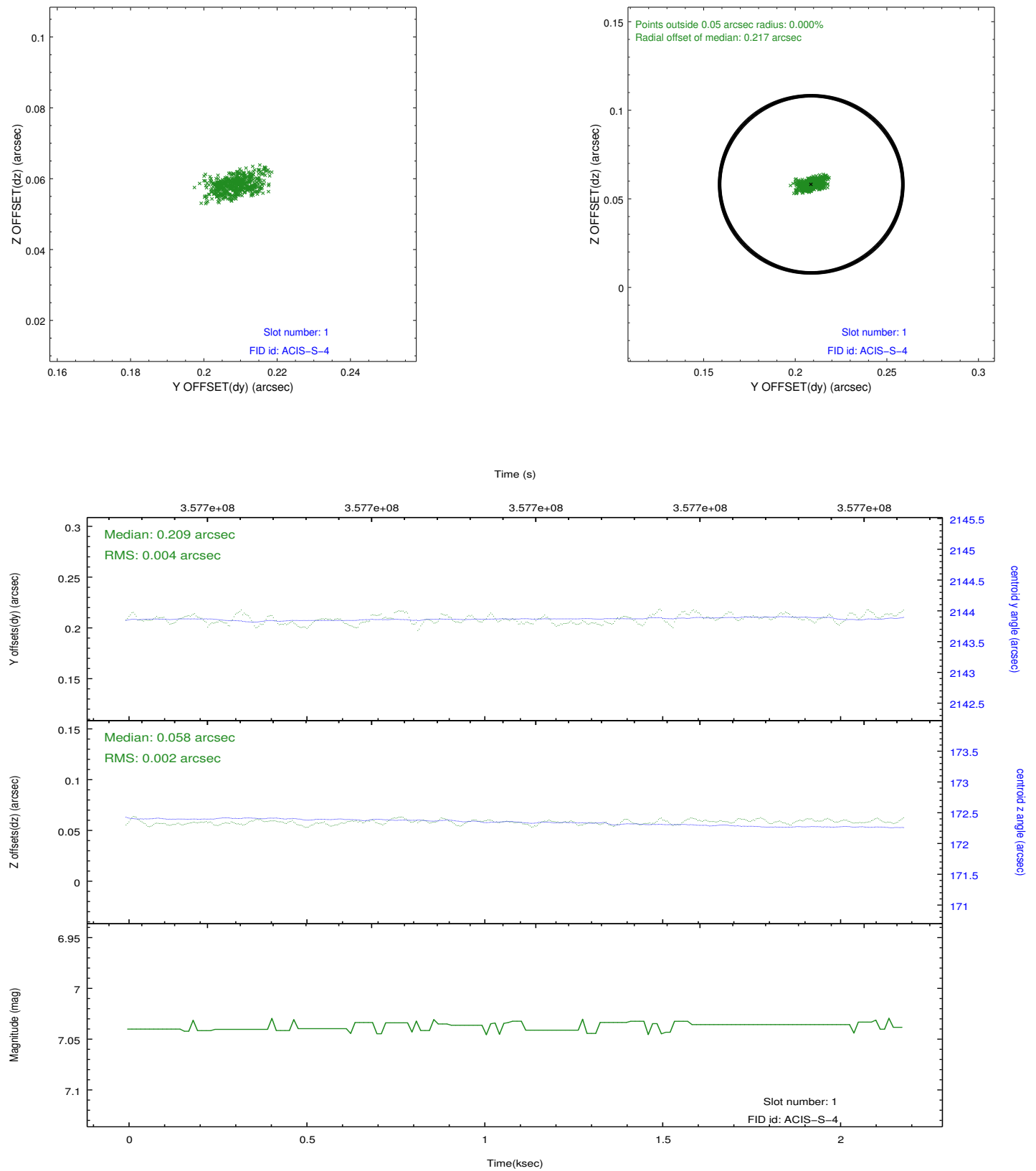


2.5 FID Slots

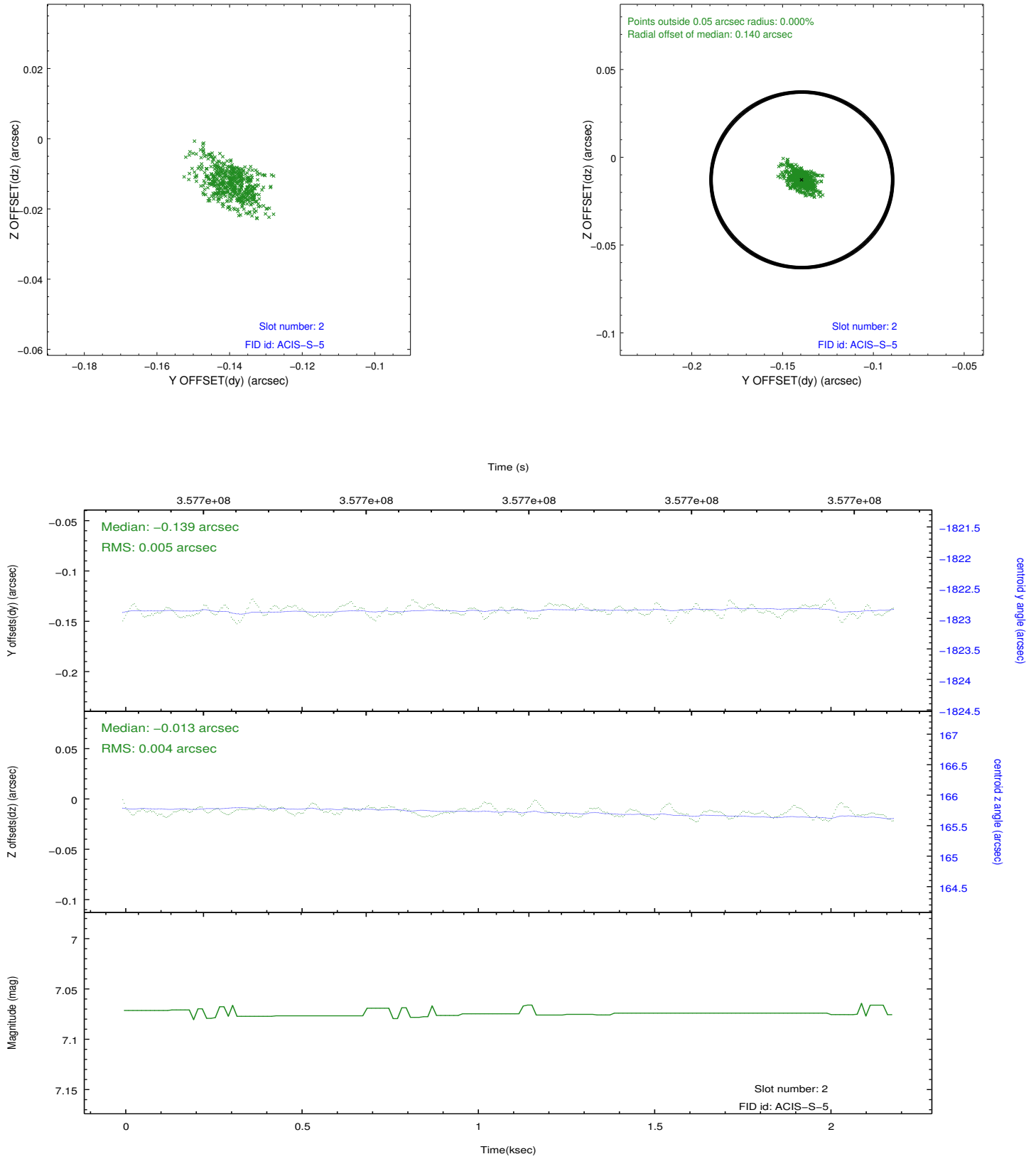
2.5.1 Slot 0



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)	2012.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17620001

A.2 Comments