

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6964 - L2 Version 2
Chandra X-Ray Center

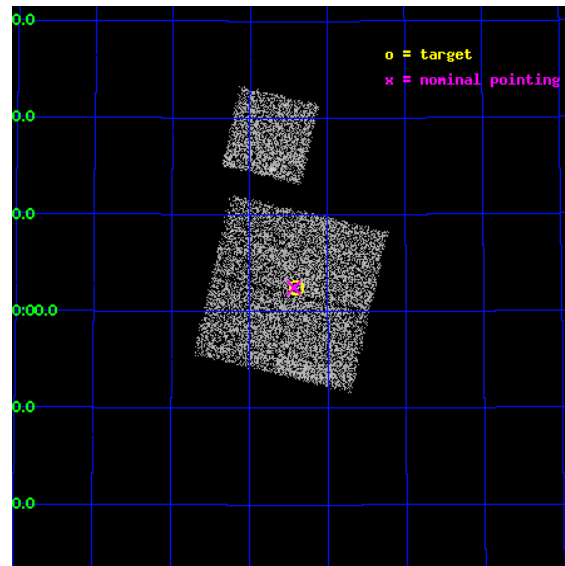
L2 Processing Date : Apr 10 2012

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1 Front

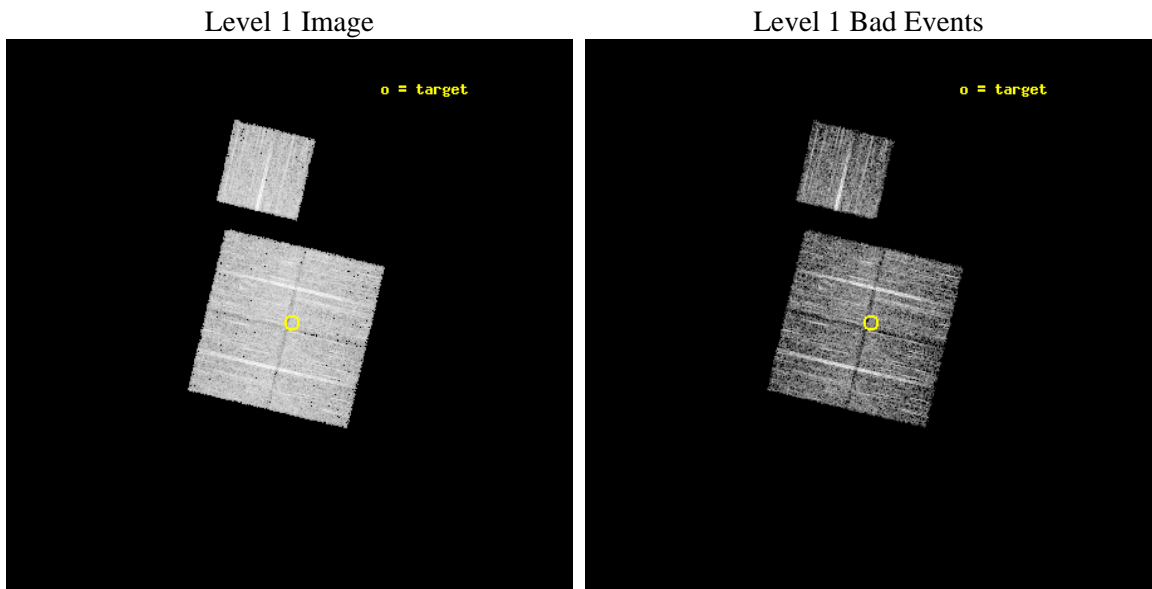
seq_num	800597	Sequence number
obs_id	6964	Observation id
title	A Search for the Origin of Ultrahigh Energy Cosmic Rays	Proposal t
observer	Prof. David Helfand	Principal investigator
object	P8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.1	Observer's specified target RA [deg]
dec_targ	57.0417	Observer's specified target Dec [deg]
ra_nom	169.10829301431	Nominal RA [deg]
dec_nom	57.040857405857	Nominal Dec [deg]
roll_nom	13.302354696784	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5164.5590794683	Sum of GTIs [s]
livetime	5097.0803130019	Livetime [s]
ontime0	5164.5590794086	Sum of GTIs [s]
ontime1	5167.7000397444	Sum of GTIs [s]
ontime2	5164.5590794086	Sum of GTIs [s]
ontime3	5164.5590794683	Sum of GTIs [s]
ontime6	5167.7000397444	Sum of GTIs [s]
l2events	16293	Number of level 2 events



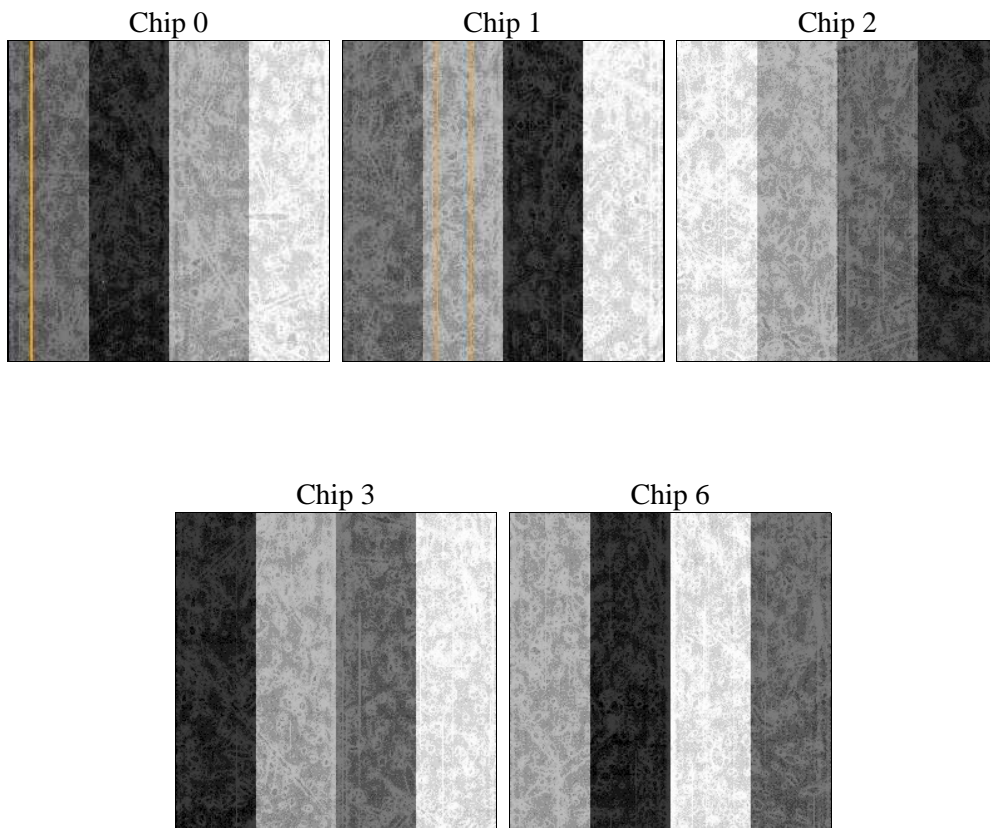
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5164.5590794683	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5164.5590794086	Sum of GTIs [s]
date	2012-04-10T09:17:28	Date and time of file creation	ontime1	5167.7000397444	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5164.5590794086	Sum of GTIs [s]
			ontime3	5164.5590794683	Sum of GTIs [s]
			ontime6	5167.7000397444	Sum of GTIs [s]
			l1events	264082	Number of level 1 events

2.1.4 Events

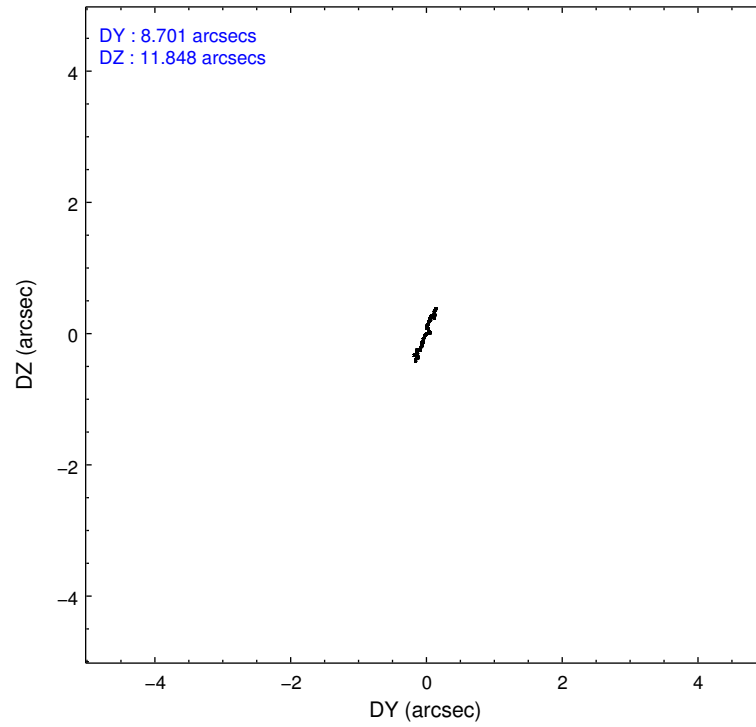
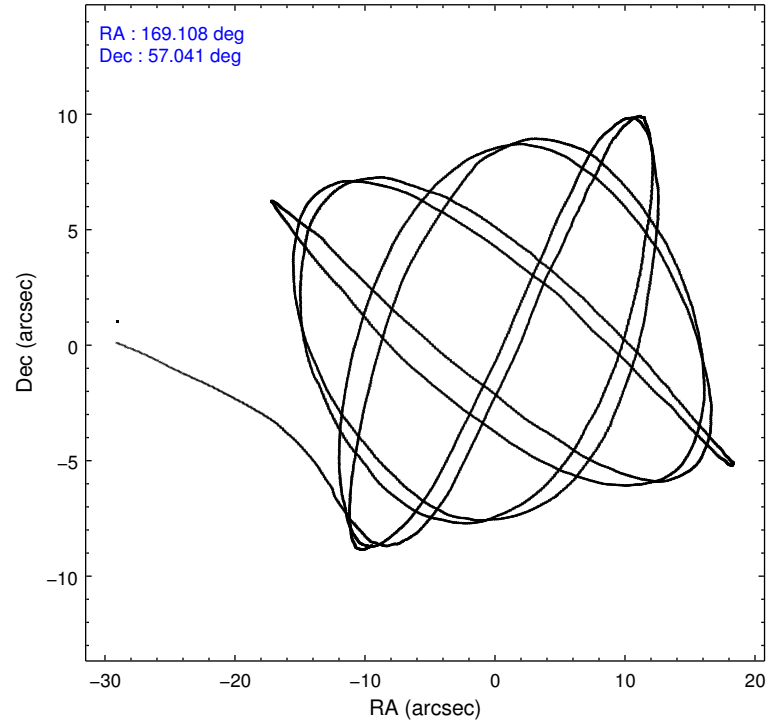
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	50889	49683	56254	53197	54059
rejected events	47075	45293	52478	49545	49988
rejected %	92%	91%	93%	93%	92%

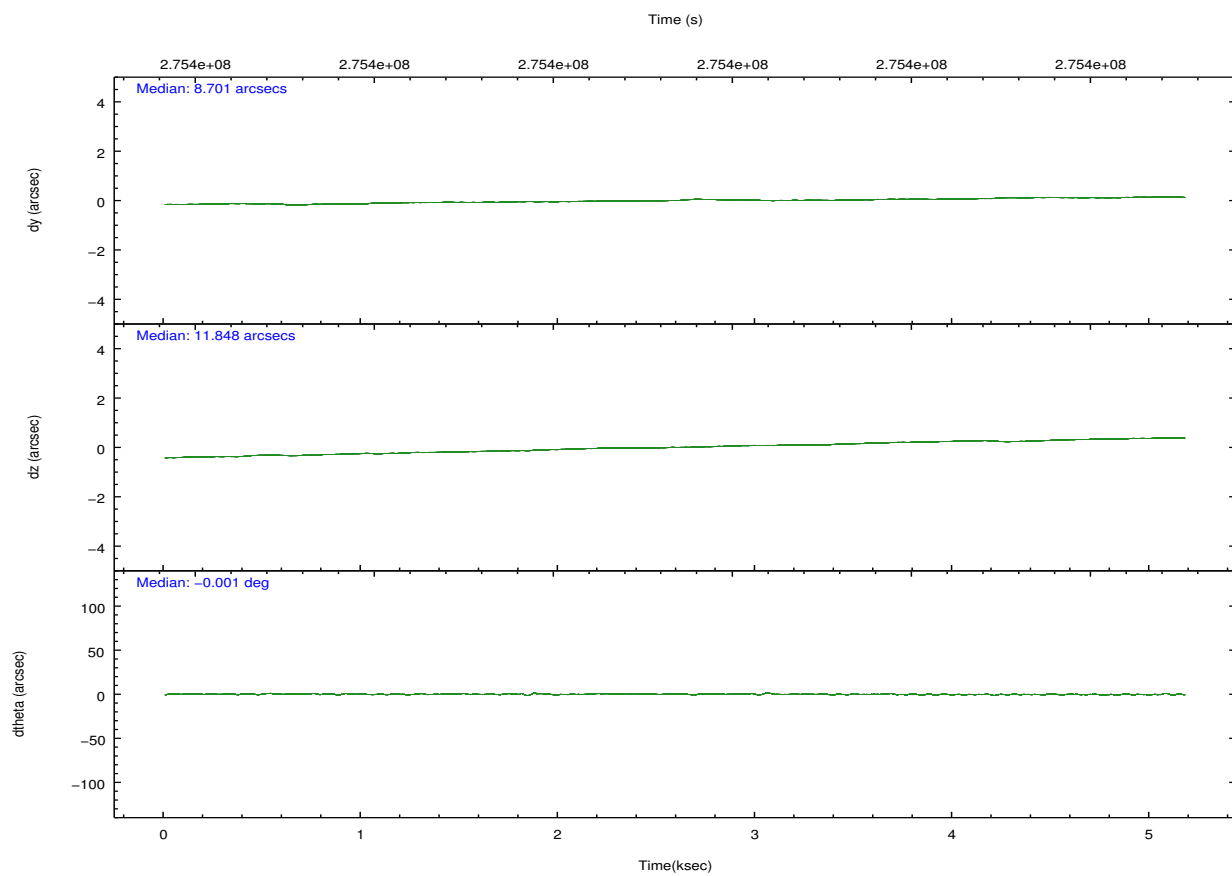
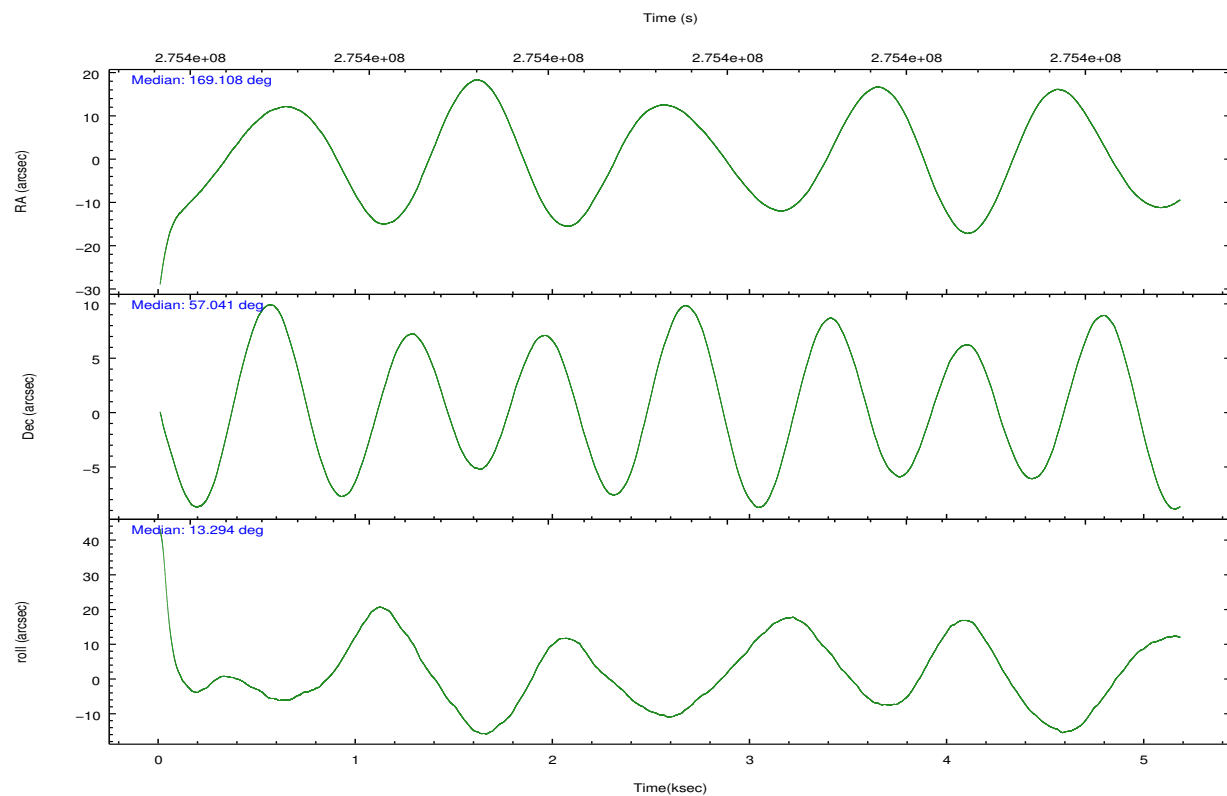
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1783	2110	1822	1754	1934
	3%	4%	3%	3%	3%
grade 1 events	33	18	30	23	19
	0%	0%	0%	0%	0%
grade 2 events	1217	1290	1175	1078	1173
	2%	2%	2%	2%	2%
grade 3 events	636	684	581	568	609
	1%	1%	1%	1%	1%
grade 4 events	556	646	577	522	568
	1%	1%	1%	0%	1%
grade 5 events	1736	1996	1742	2179	2064
	3%	4%	3%	4%	3%
grade 6 events	971	1195	957	995	1144
	1%	2%	1%	1%	2%
grade 7 events	43957	41744	49370	46078	46548
	86%	84%	87%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	169.071931	169.1082930143096	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.022064	57.04085740585663	Alternating exposures requested	N	N
[deg] Pointing Roll	13.124118	13.30235469678449	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	275397273.184000	275395377.21145			
Observation start date	2006-09-23T11:13:28	2006-09-23T10:42:57			
[s] Observation end time (MET)	275402273.184000	275403702.77435			
Observation end date	2006-09-23T12:36:48	2006-09-23T13:01:42			
Read mode	TIMED	TIMED			

2.3 Aspect



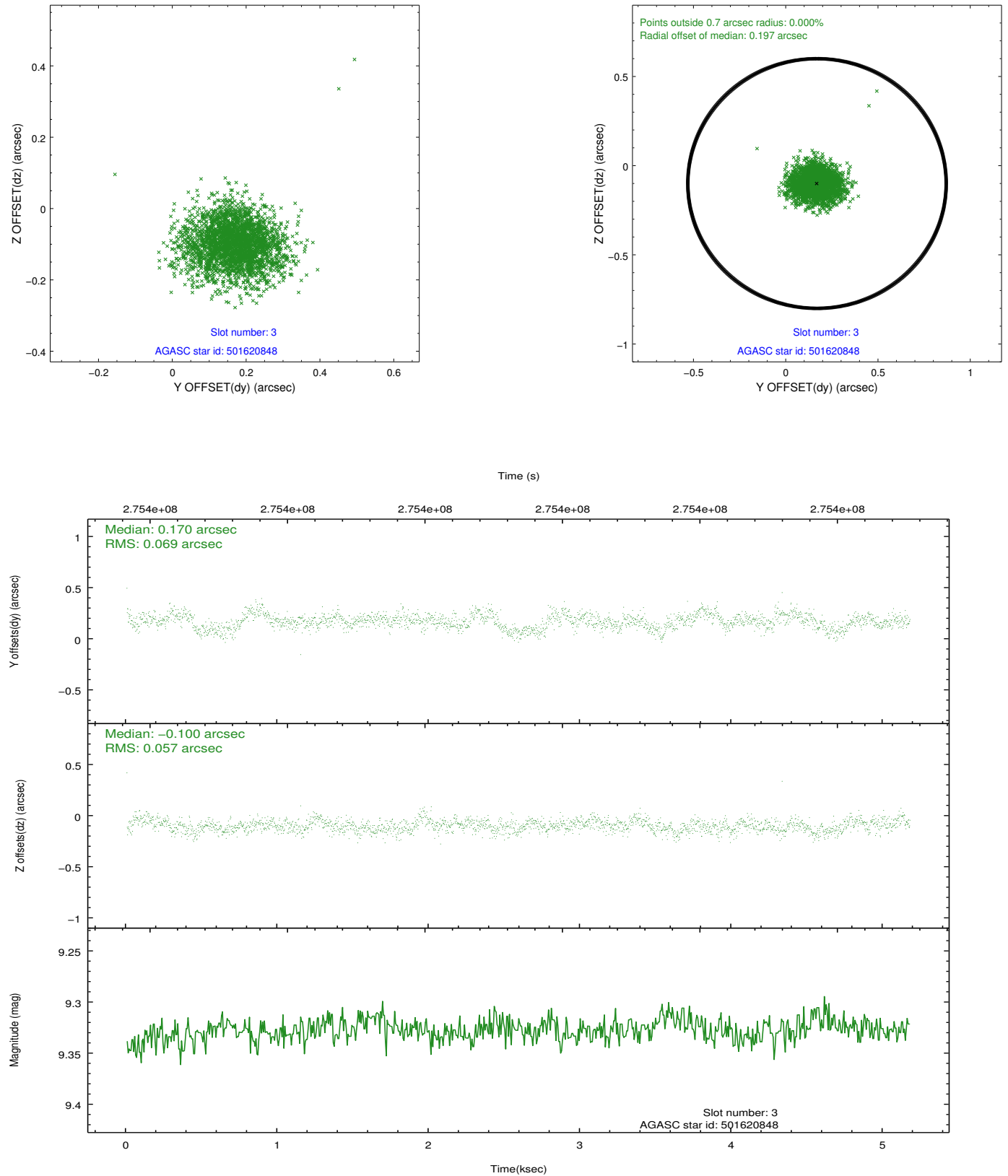


Slot Statistics

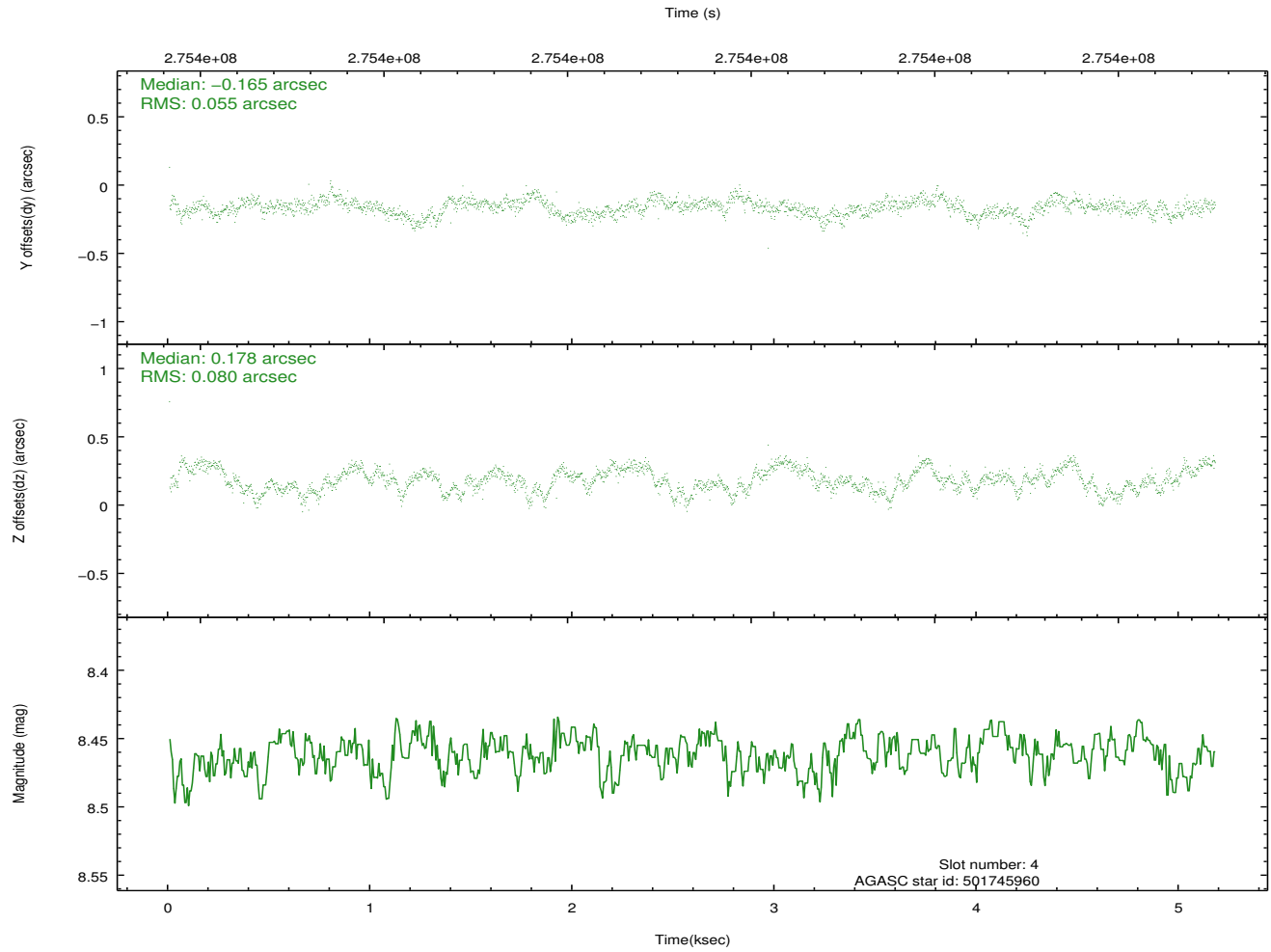
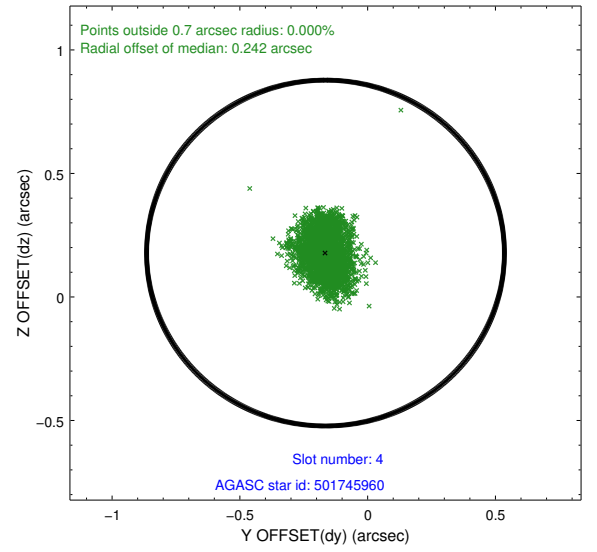
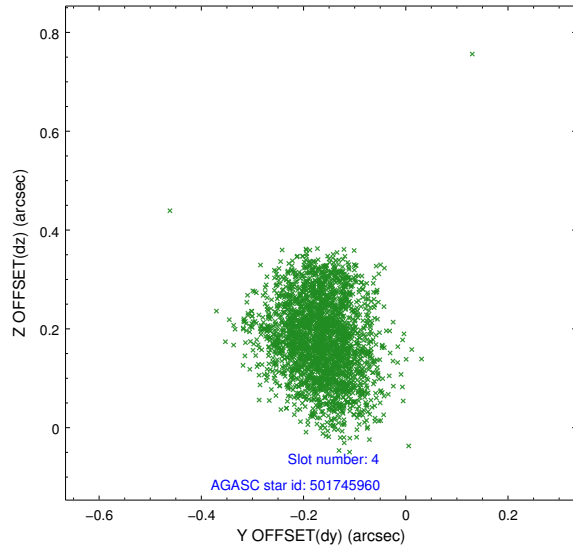
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1262	0.066	-0.052	0.010	0.018	0.000000	0.000000	930.99	-835.43
1	FID	ACIS-I-5	7.23	1262	-0.213	0.064	0.006	0.012	0.000000	0.000000	-1816.71	1061.63
2	FID	ACIS-I-6	7.24	1262	0.055	0.059	0.012	0.021	0.000000	0.000000	395.30	1707.42
3	GUIDE	501620848	9.33	2522	0.170	-0.100	0.092	0.154	167.963691	57.281851	-1883.19	1417.50
4	GUIDE	501745960	8.46	2525	-0.165	0.178	0.105	0.162	170.066430	56.606700	1582.63	-1888.46
5	GUIDE	501747432	9.91	2511	-0.104	-0.096	0.135	0.211	169.486750	57.497356	1171.44	1486.19
6	GUIDE	501745400	10.24	2519	0.093	0.203	0.190	0.300	169.096679	56.322620	-522.20	-2462.37
7	GUIDE	502137856	10.08	2520	0.014	-0.186	0.142	0.231	169.016576	57.682544	436.35	2338.65

2.4 Star Slots

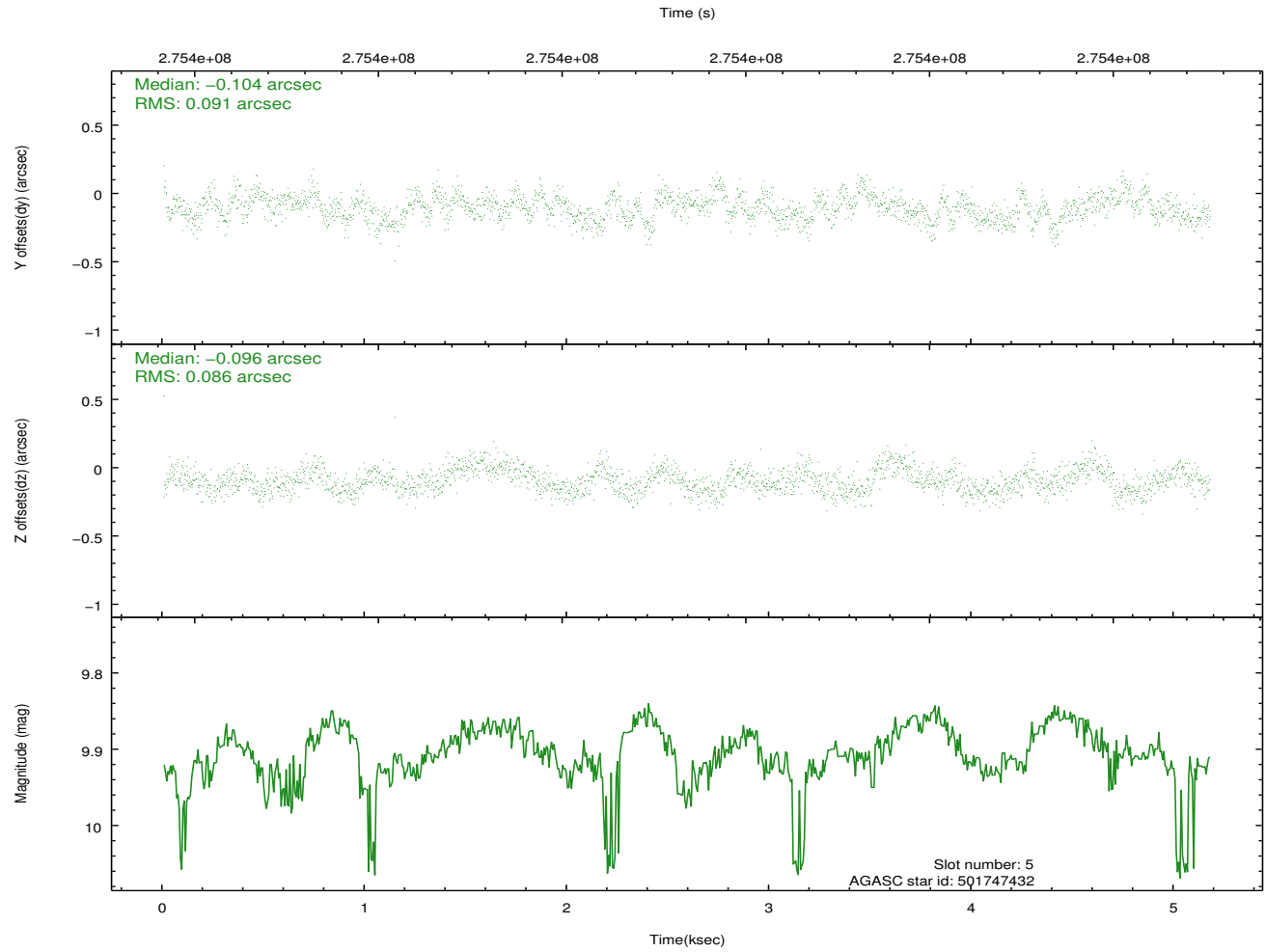
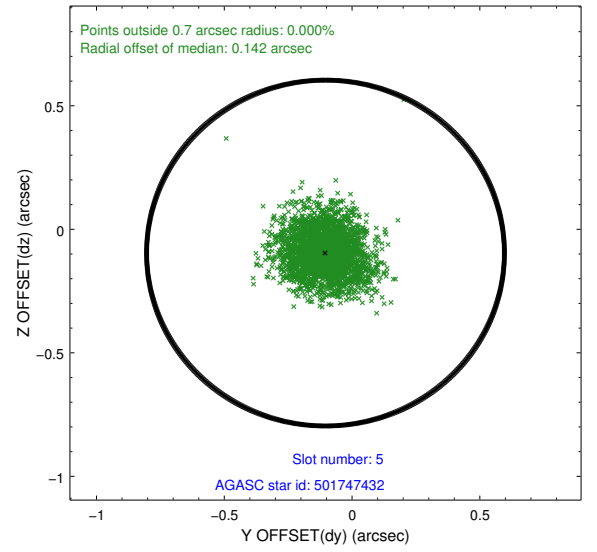
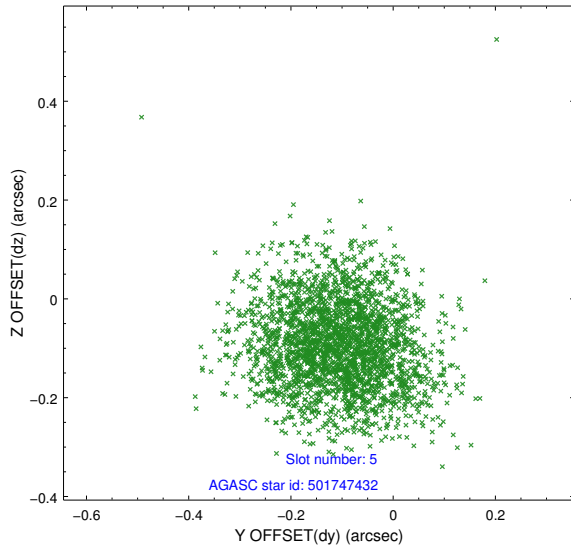
2.4.1 Slot 3



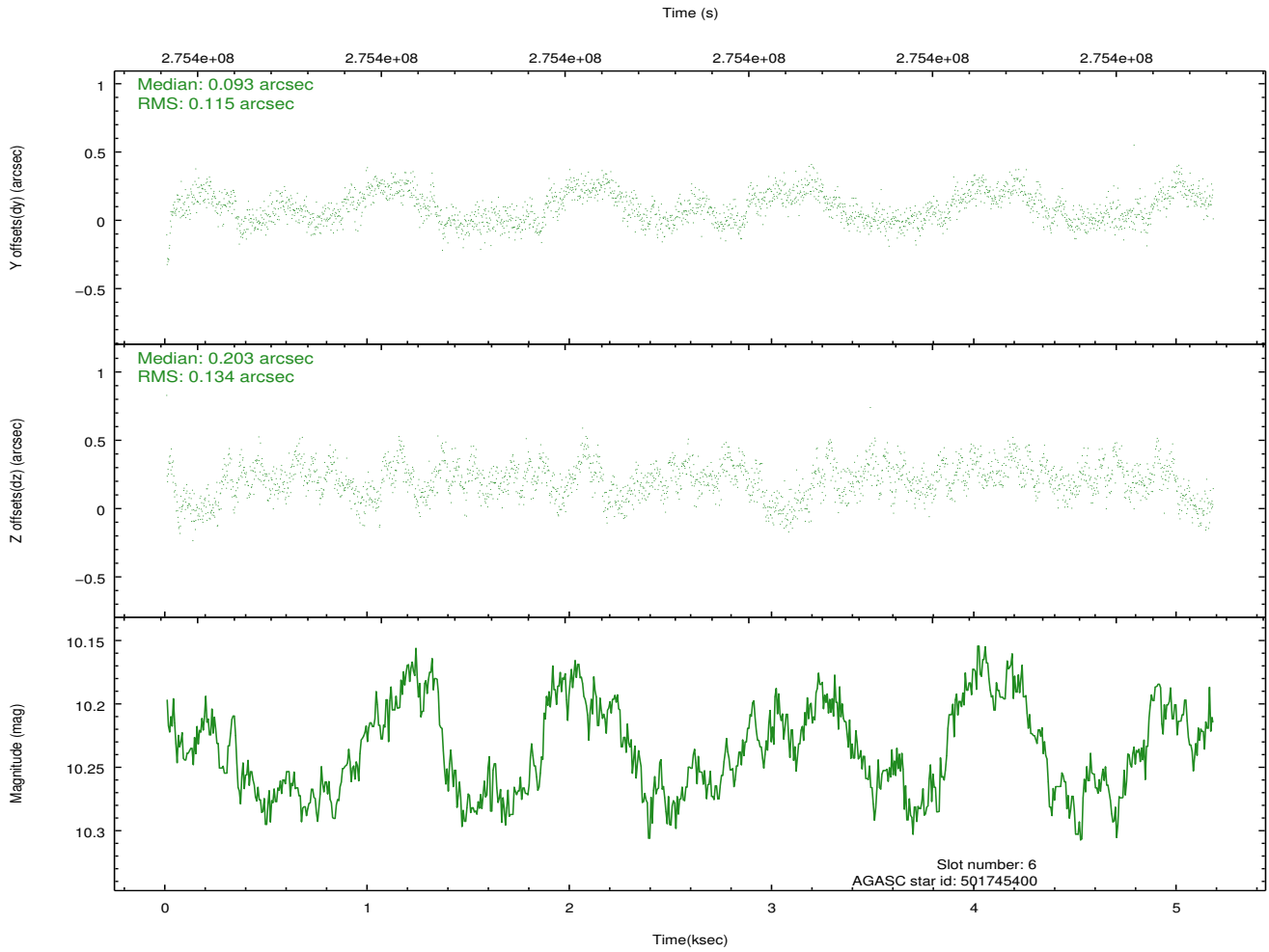
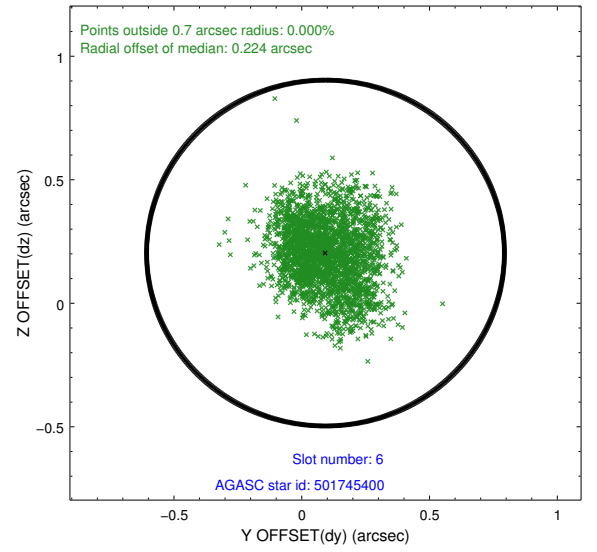
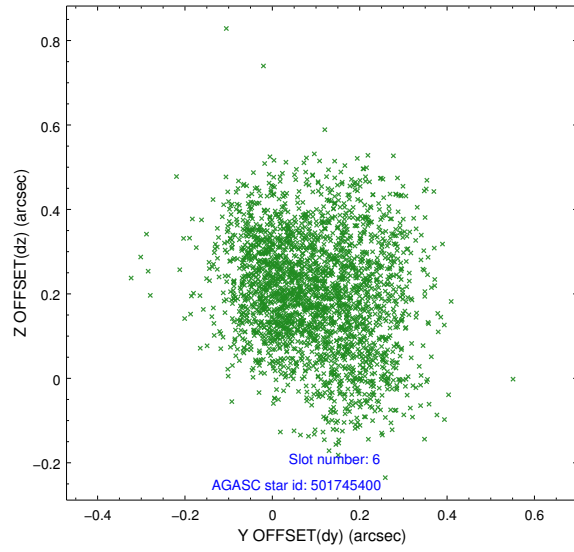
2.4.2 Slot 4



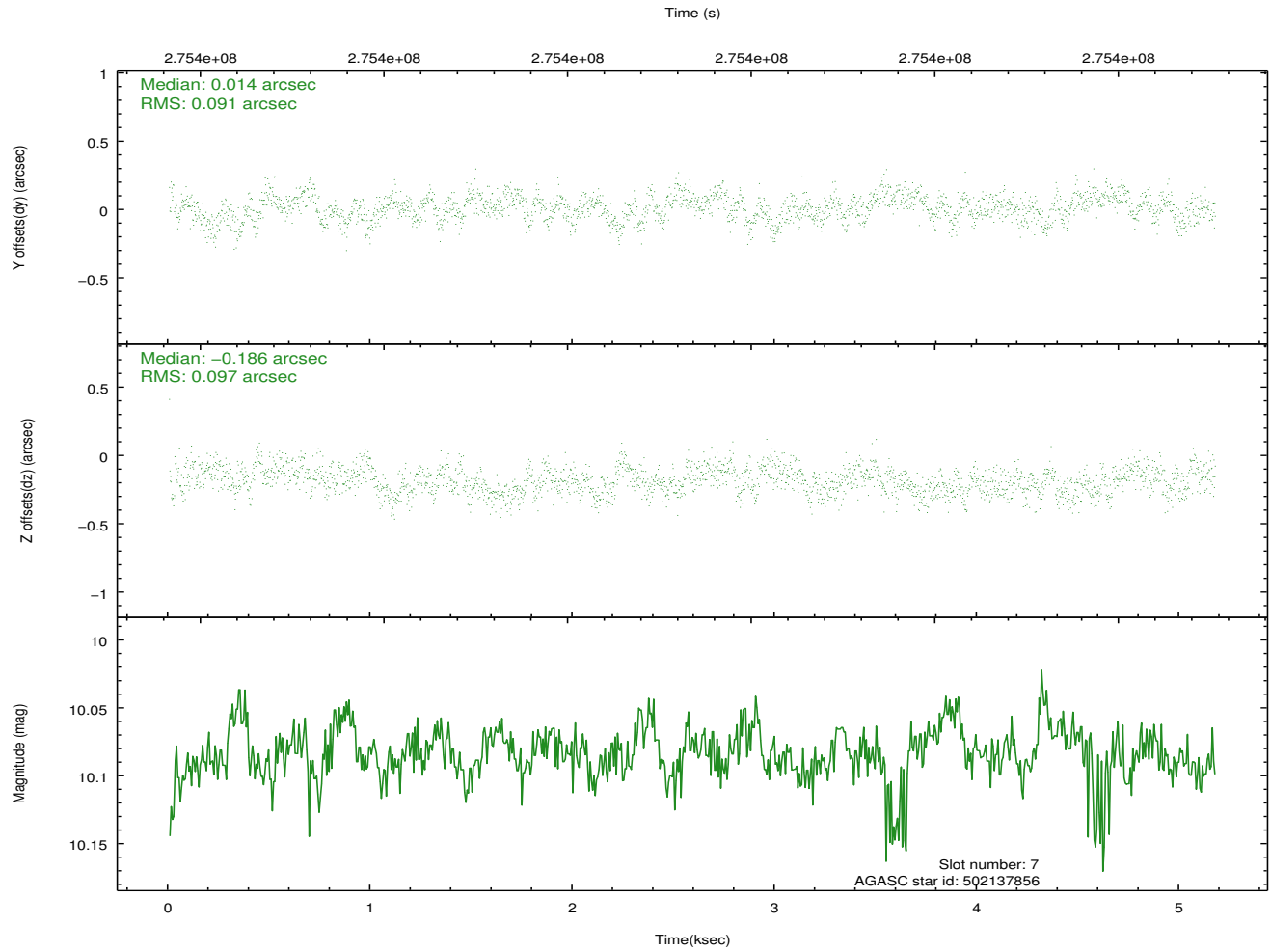
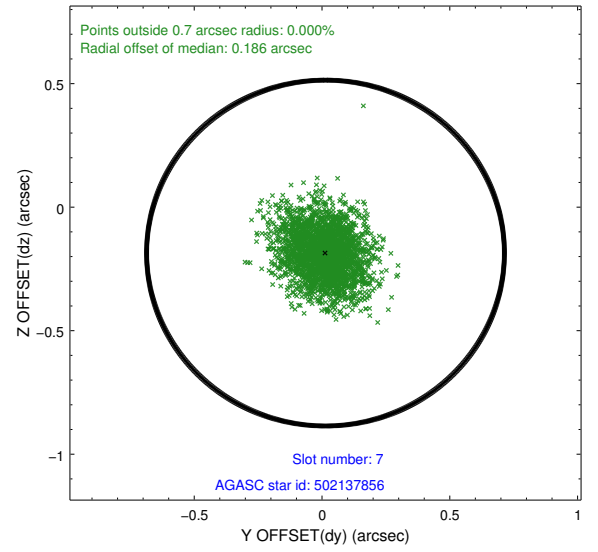
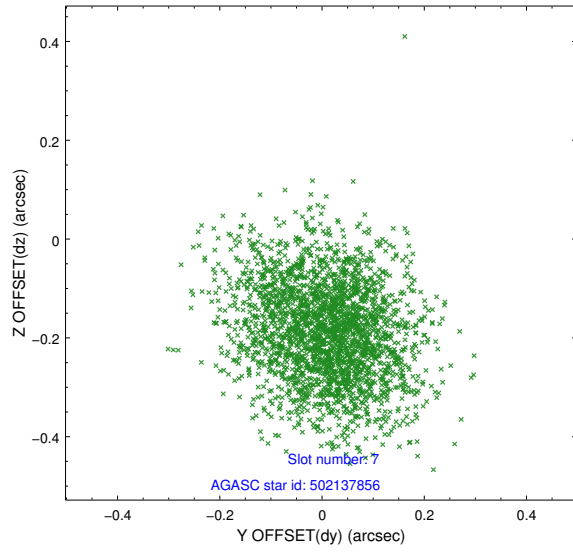
2.4.3 Slot 5



2.4.4 Slot 6

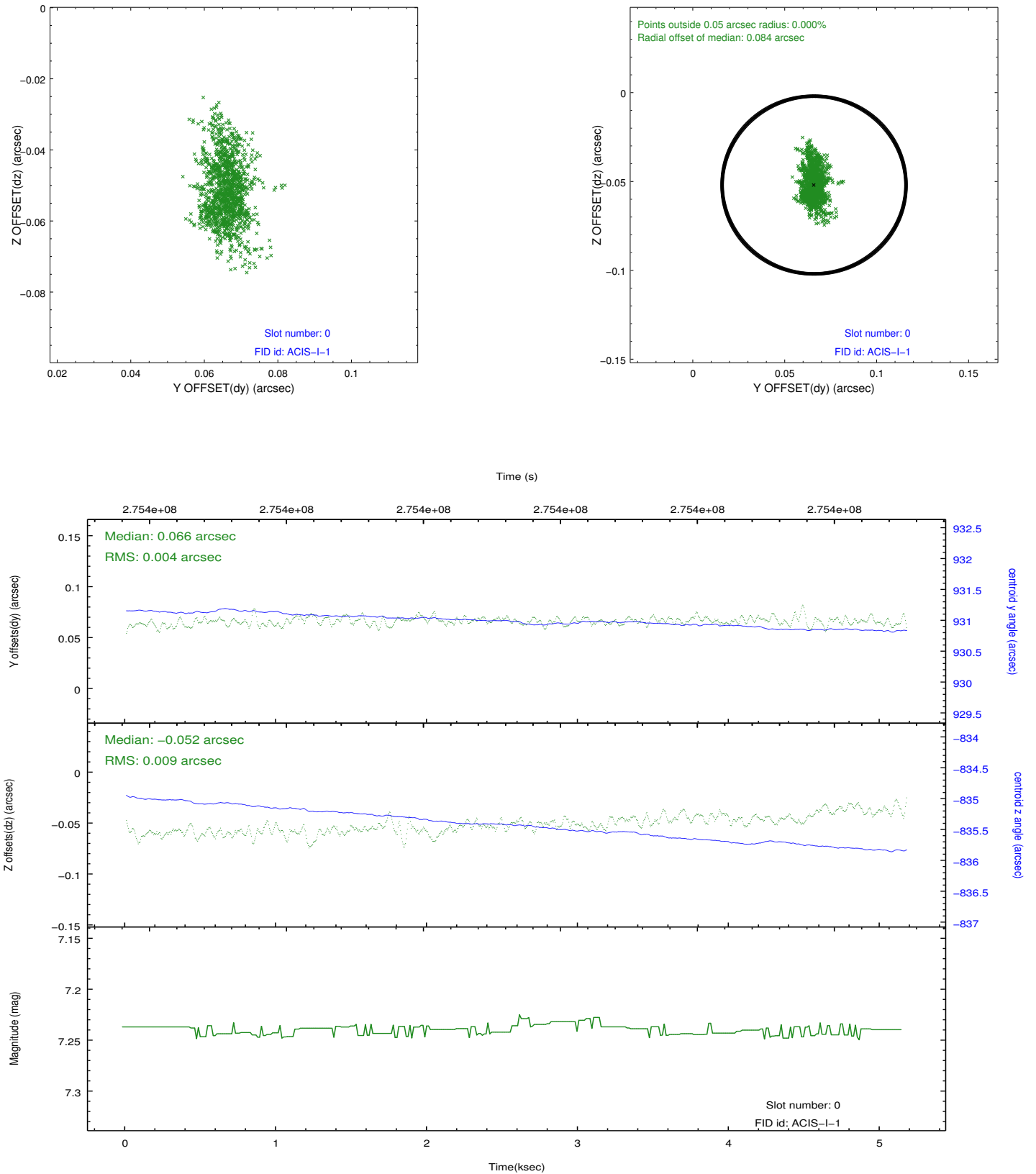


2.4.5 Slot 7

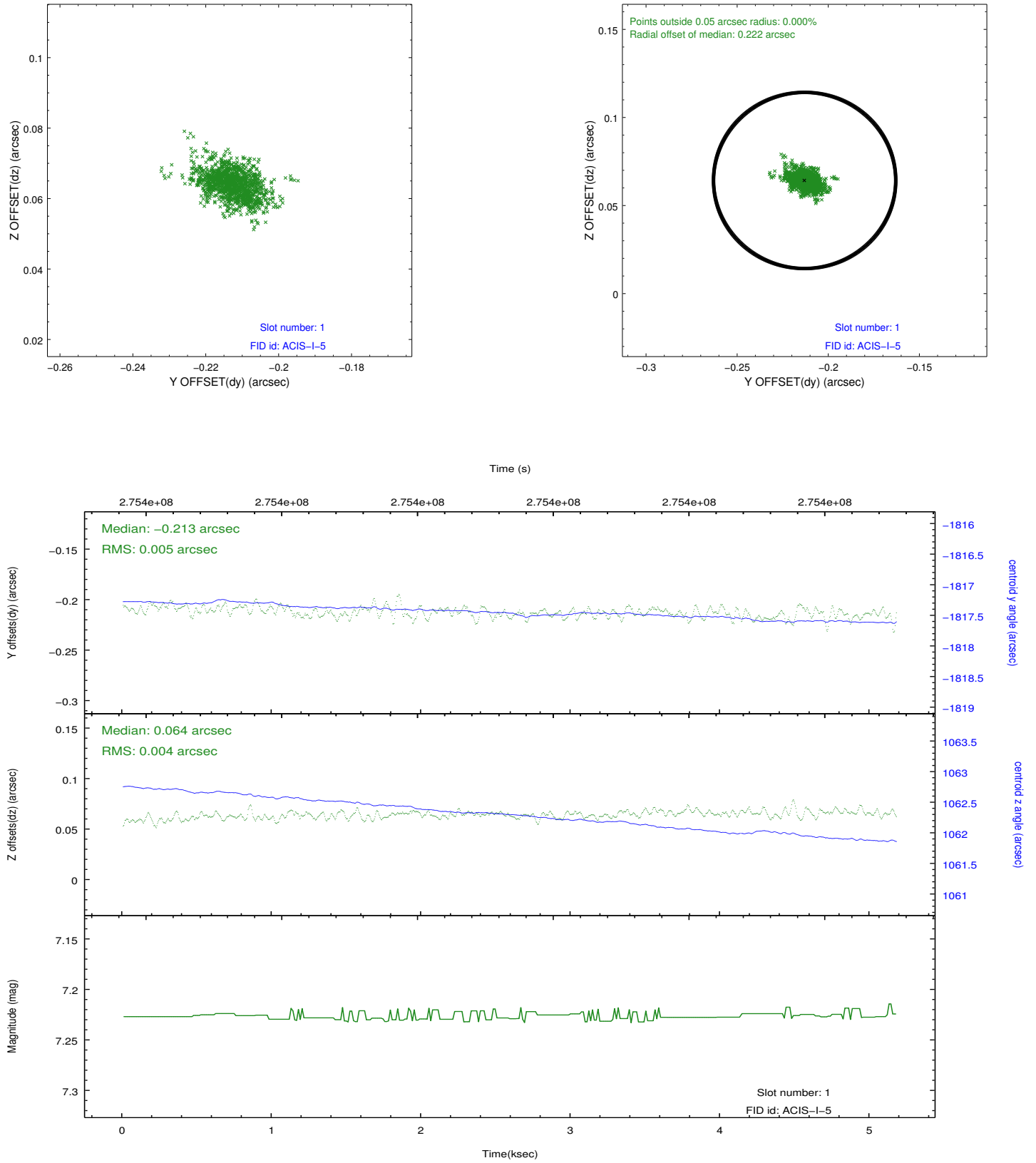


2.5 FID Slots

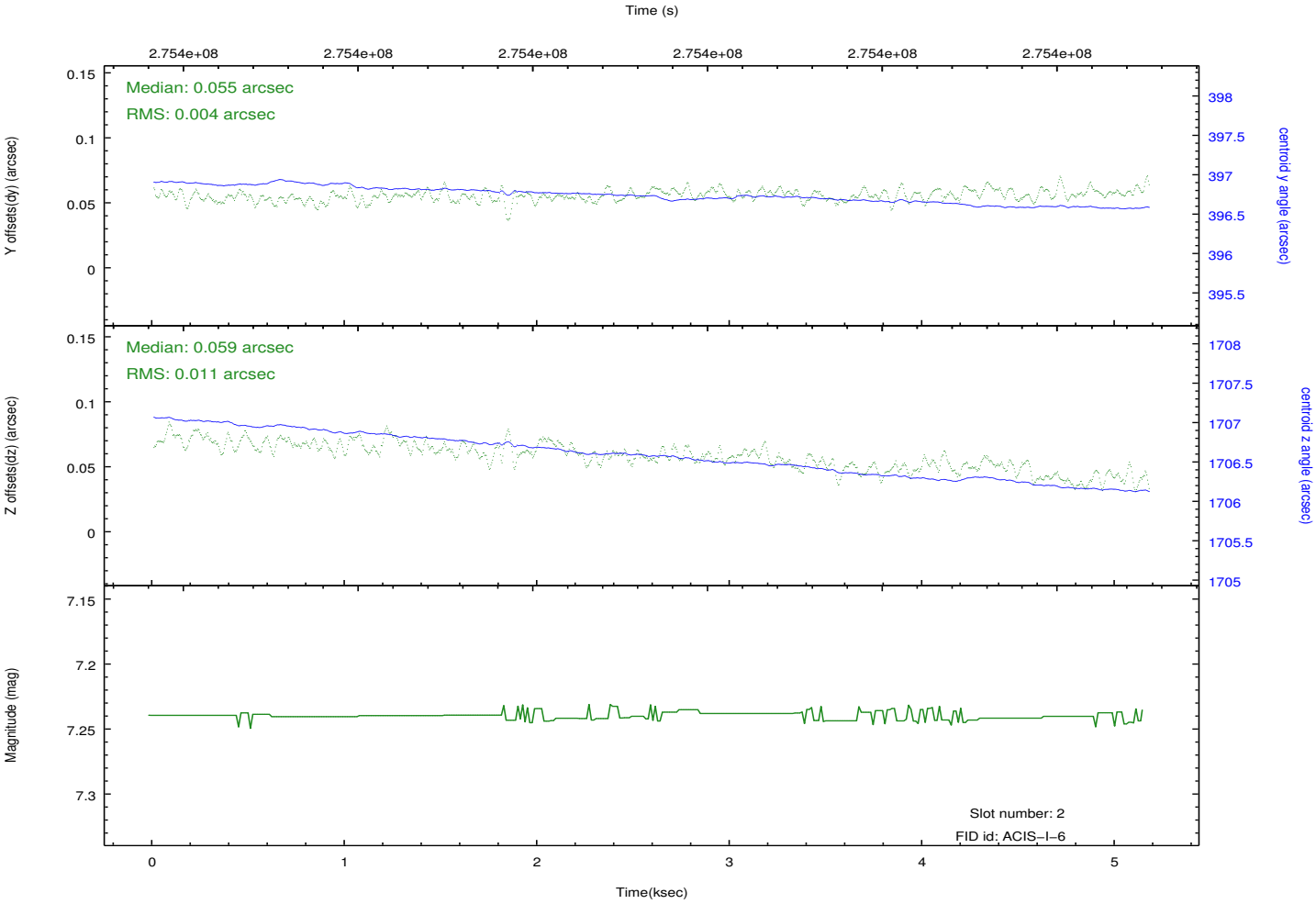
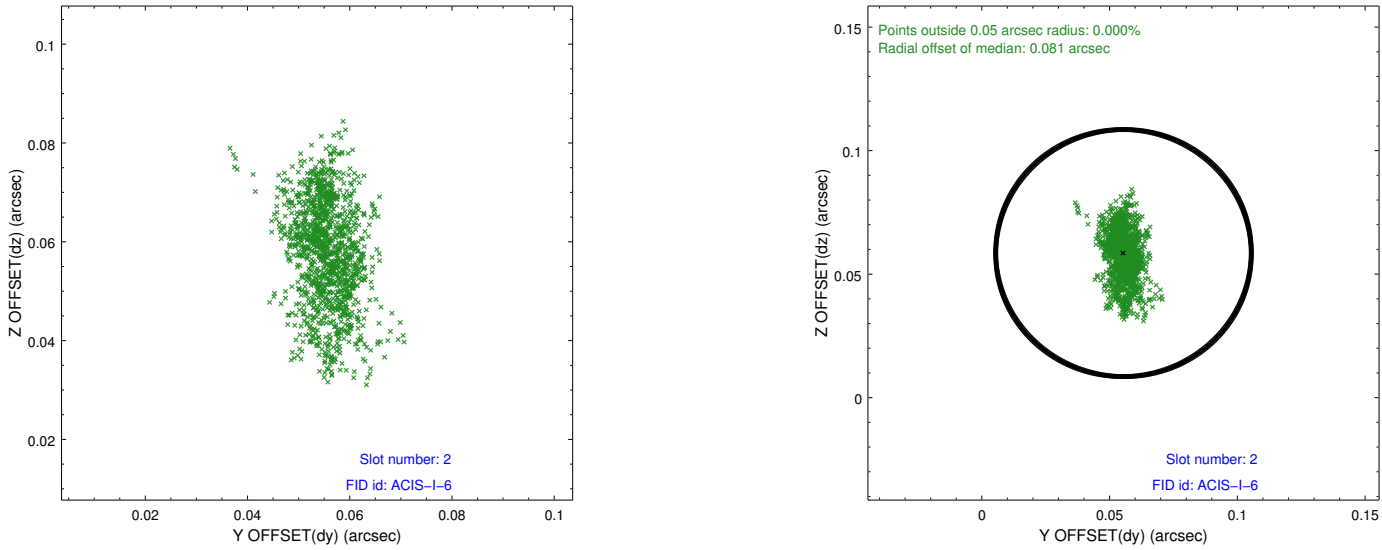
2.5.1 Slot 0



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)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16455907

A.2 Comments