

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7348 - L2 Version 2
Chandra X-Ray Center

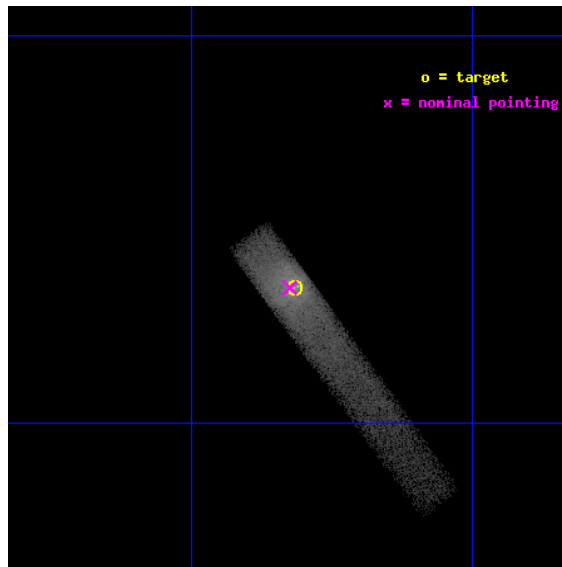
L2 Processing Date : Apr 13 2012

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1 Front

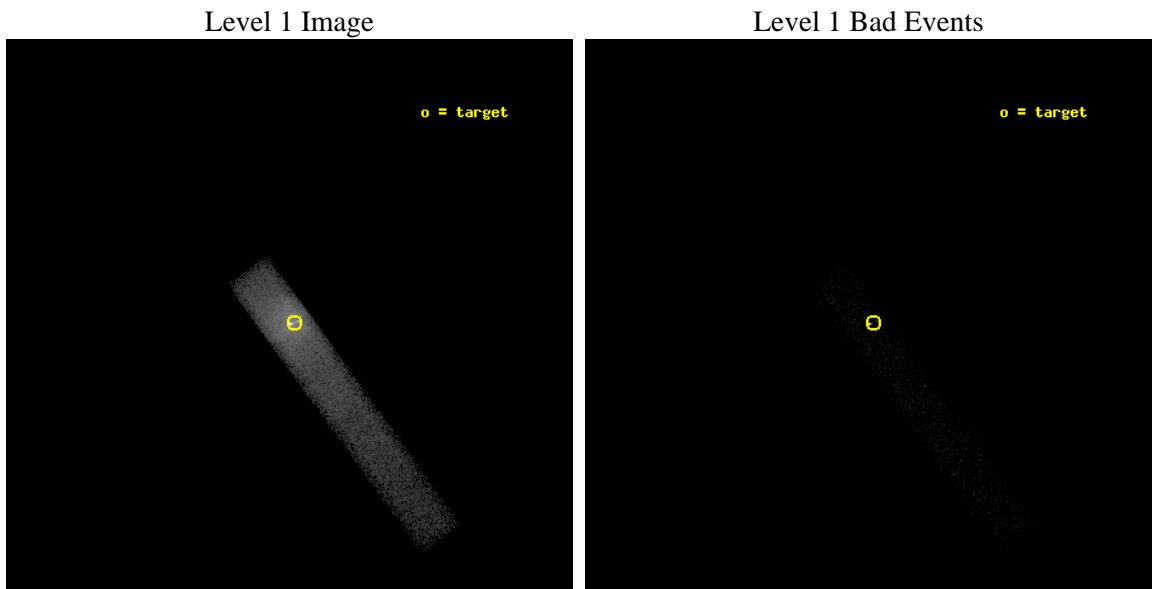
seq_num	701338	Sequence number
obs_id	7348	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70631322823	Nominal RA [deg]
dec_nom	12.391599944164	Nominal Dec [deg]
roll_nom	53.907354966649	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5009.5997014046	Sum of GTIs [s]
livetime	4543.4425008204	Livetime [s]
ontime7	5009.5997014046	Sum of GTIs [s]
l2events	58183	Number of level 2 events



2 OBI

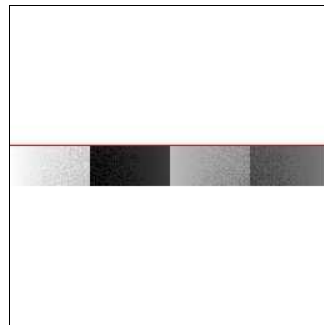
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



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	5009.5997014046	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	5009.5997014046	Sum of GTIs [s]
date	2012-04-13T14:44:24	Date and time of file creation	l1events	66632	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

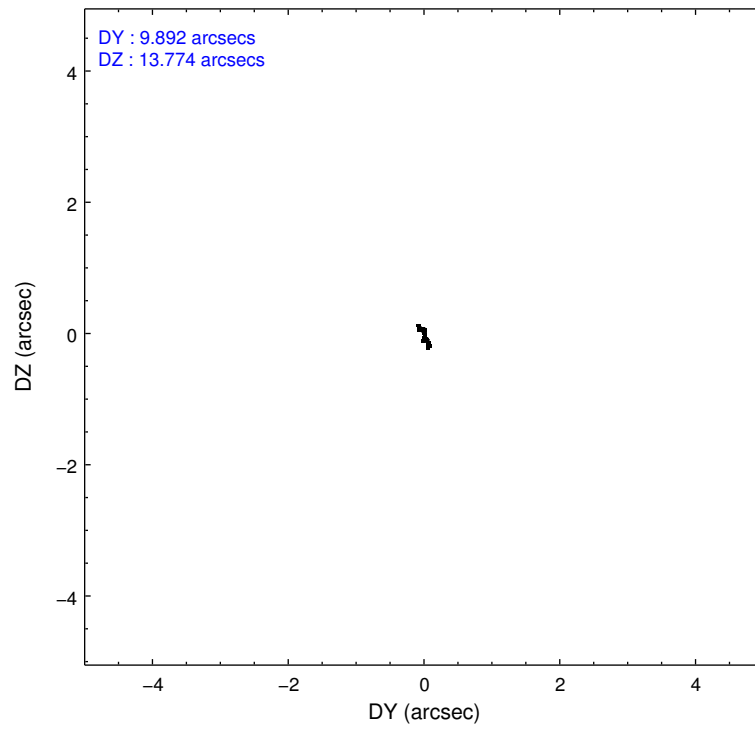
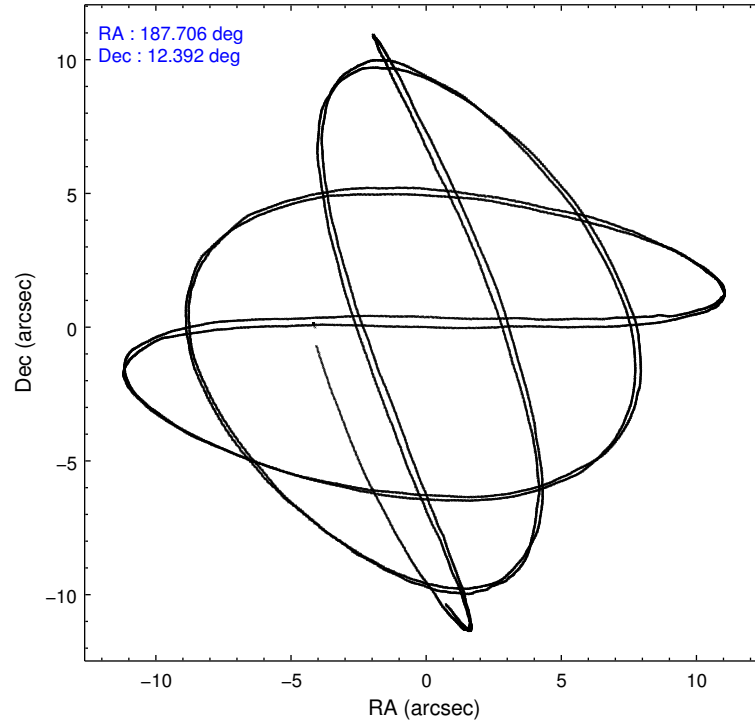
	ccd 7
level 1 events	66632
rejected events	7850
rejected %	11%

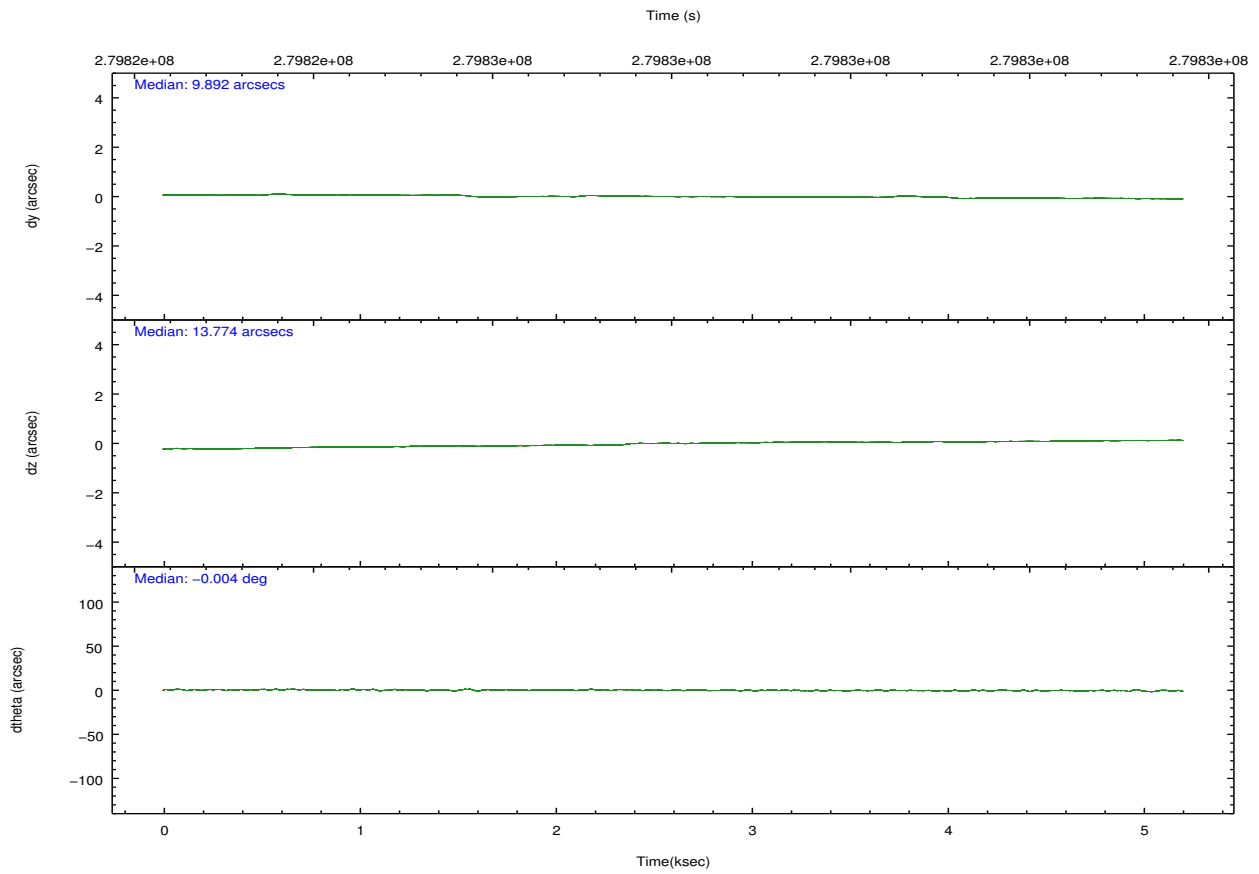
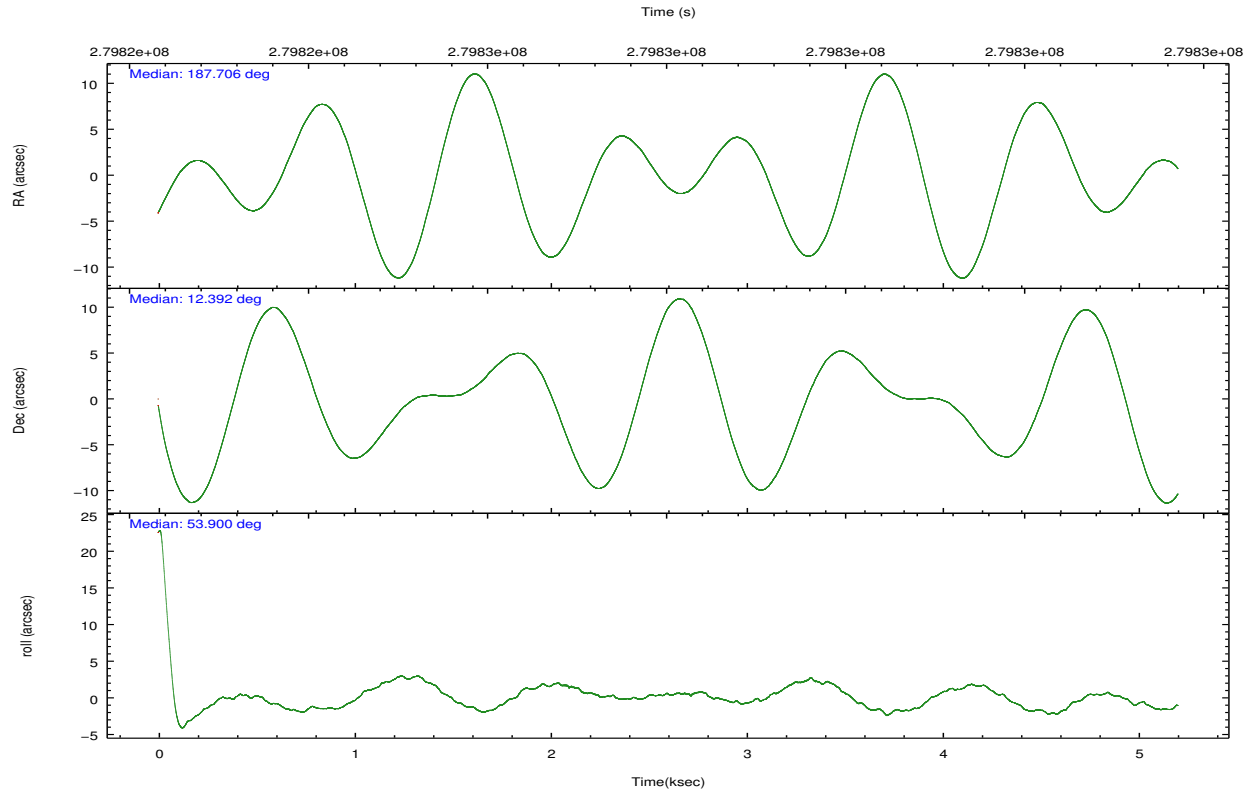
	ccd 7
grade 0 events	17143
	25%
grade 1 events	347
	0%
grade 2 events	15024
	22%
grade 3 events	6892
	10%
grade 4 events	6685
	10%
grade 5 events	2204
	3%
grade 6 events	13052
	19%
grade 7 events	5285
	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.703723	187.7063132282322	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.364573	12.3915999441644	Subarray start row	449	449
[deg] Pointing Roll	53.751216	53.90735496664924	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	279824614.184000	279824069.80778			
Observation start date	2006-11-13T17:02:29	2006-11-13T16:54:29			
[s] Observation end time (MET)	279829614.184000	279830007.63306			
Observation end date	2006-11-13T18:25:49	2006-11-13T18:33:27			
Read mode	TIMED	TIMED			

2.3 Aspect



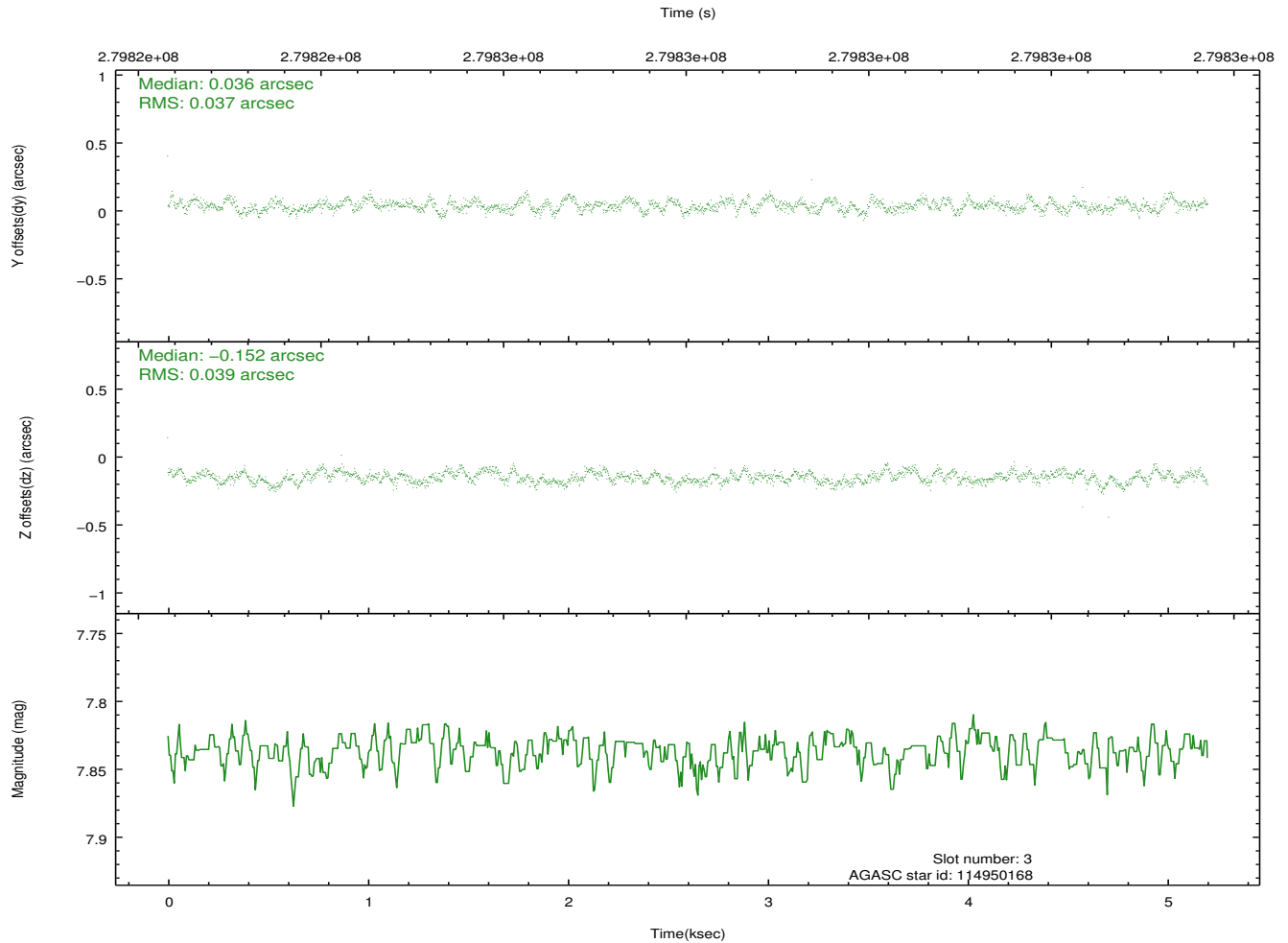
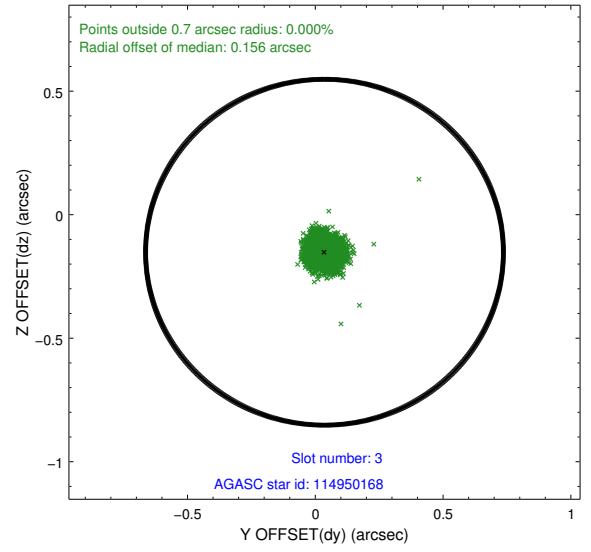
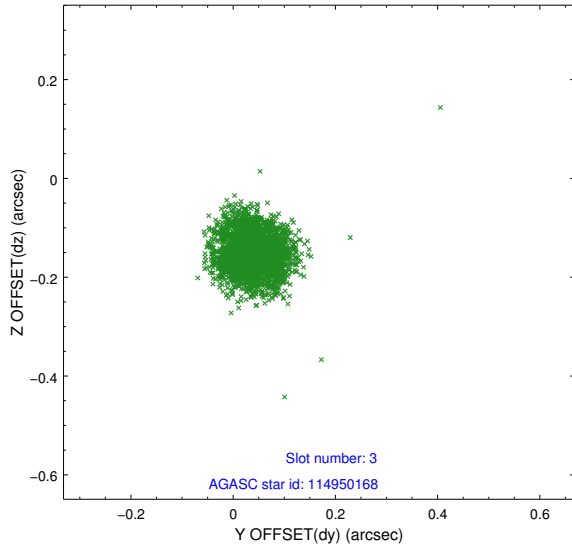


Slot Statistics

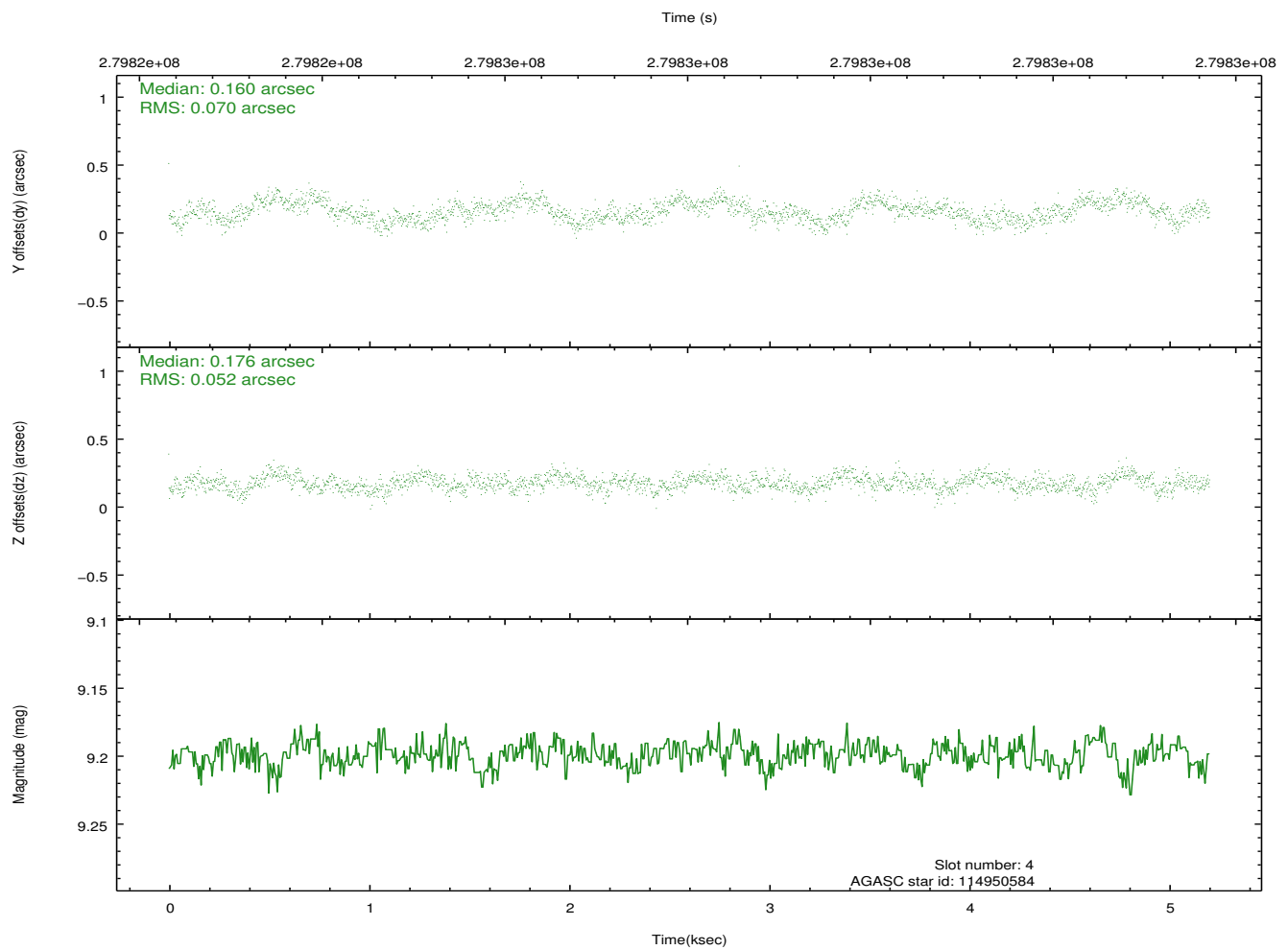
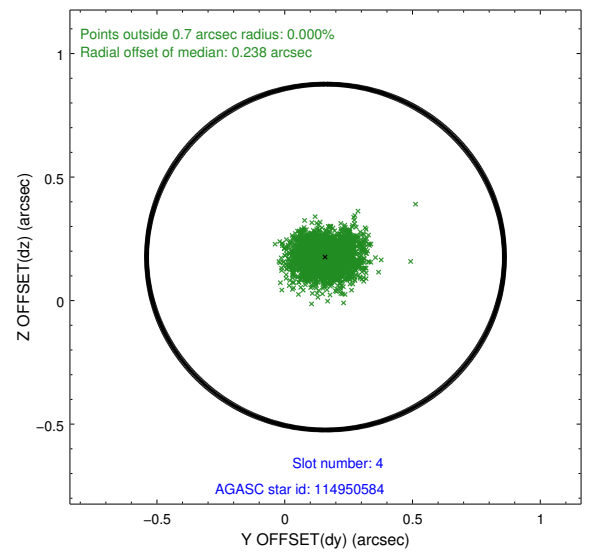
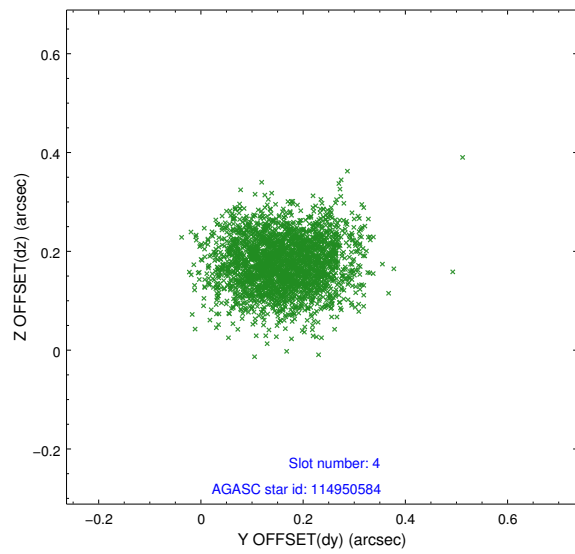
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1270	-0.034	-0.053	0.007	0.011	0.000000	0.000000	-762.77	-1735.14
1	FID	ACIS-S-4	7.20	1269	0.147	0.031	0.005	0.010	0.000000	0.000000	2150.17	172.21
2	FID	ACIS-S-5	7.23	1269	-0.144	0.031	0.006	0.011	0.000000	0.000000	-1814.21	167.22
3	GUIDE	114950168	7.84	2539	0.036	-0.152	0.057	0.089	187.143398	12.117441	-1881.76	1065.82
4	GUIDE	114950584	9.20	2539	0.160	0.176	0.093	0.149	187.487323	11.827248	-2010.88	-527.58
5	GUIDE	114952824	8.58	2538	-0.155	-0.146	0.074	0.114	187.703904	12.486727	354.27	259.99
6	GUIDE	114954440	9.18	2536	0.102	-0.235	0.088	0.146	186.915066	12.219118	-2059.11	1930.25
7	GUIDE	114955056	8.33	2538	-0.148	0.354	0.068	0.104	187.914001	12.127854	-249.85	-1098.83

2.4 Star Slots

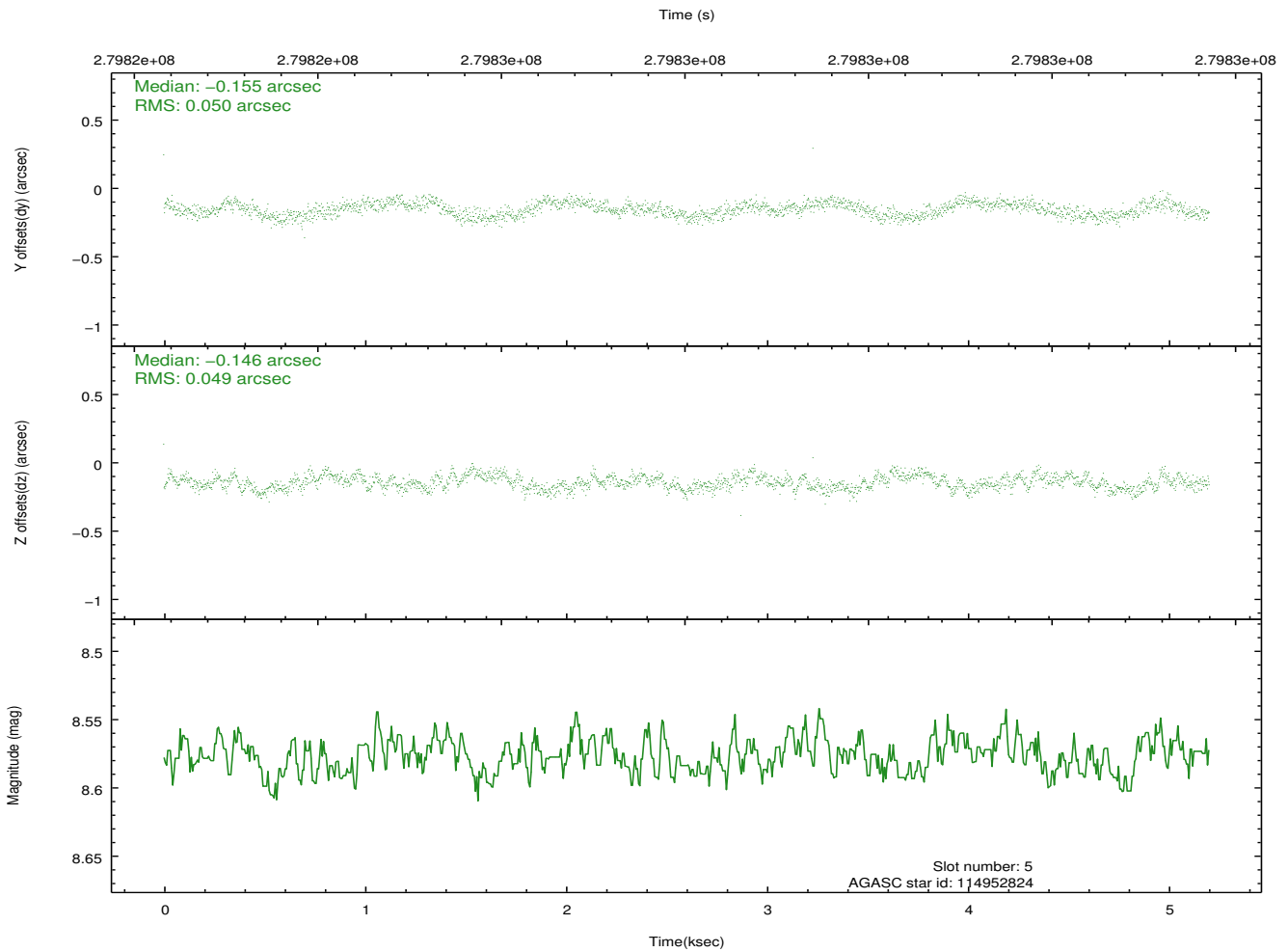
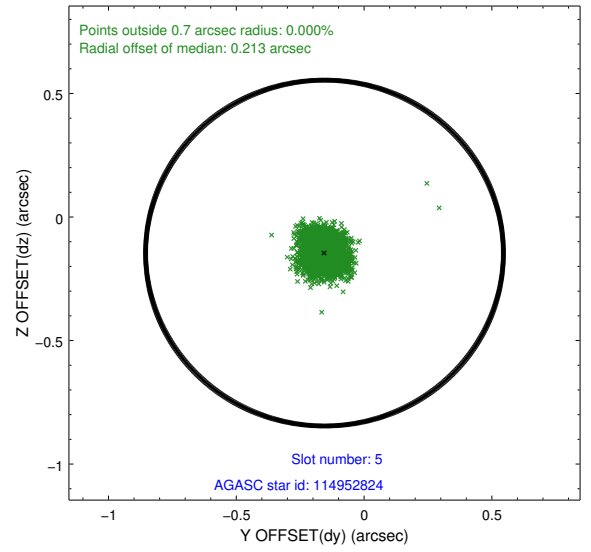
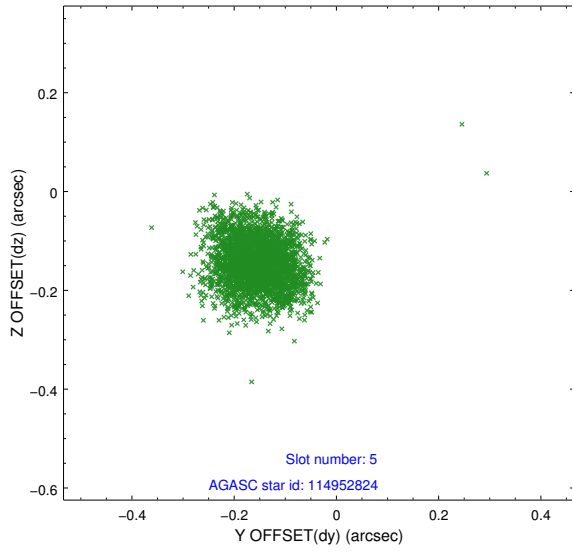
2.4.1 Slot 3



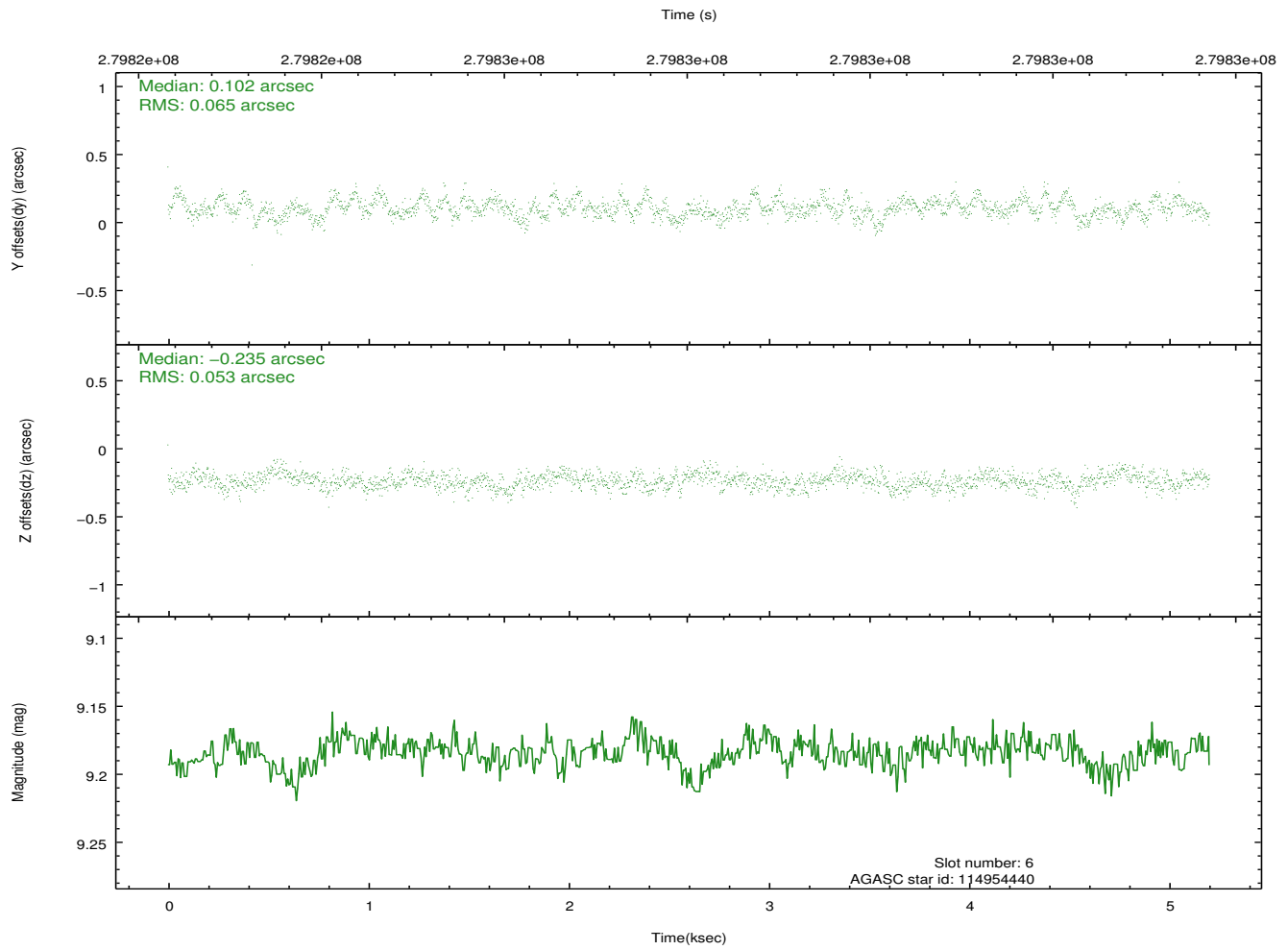
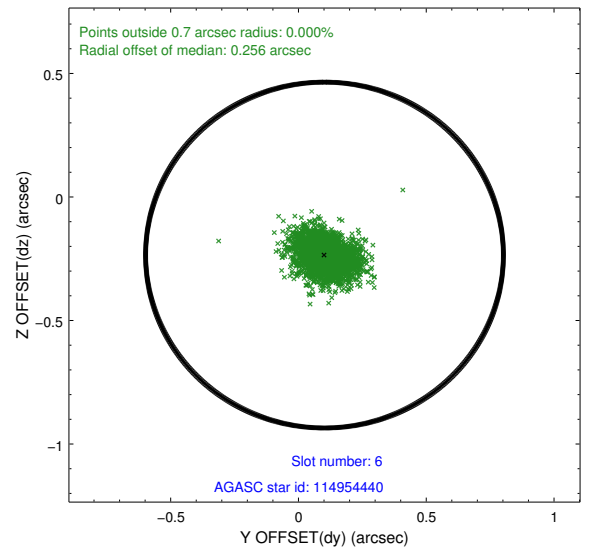
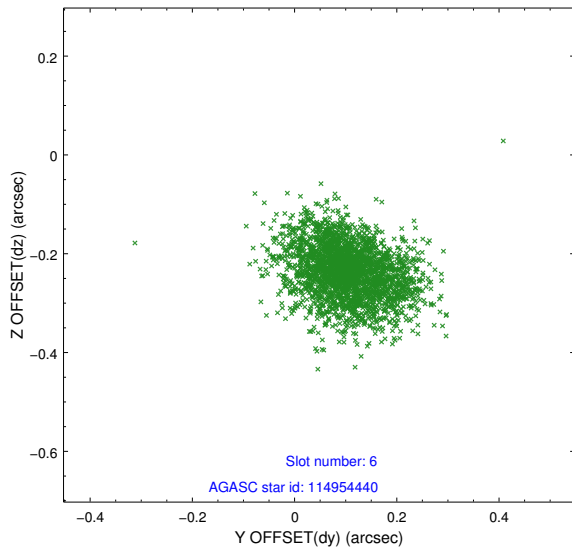
2.4.2 Slot 4



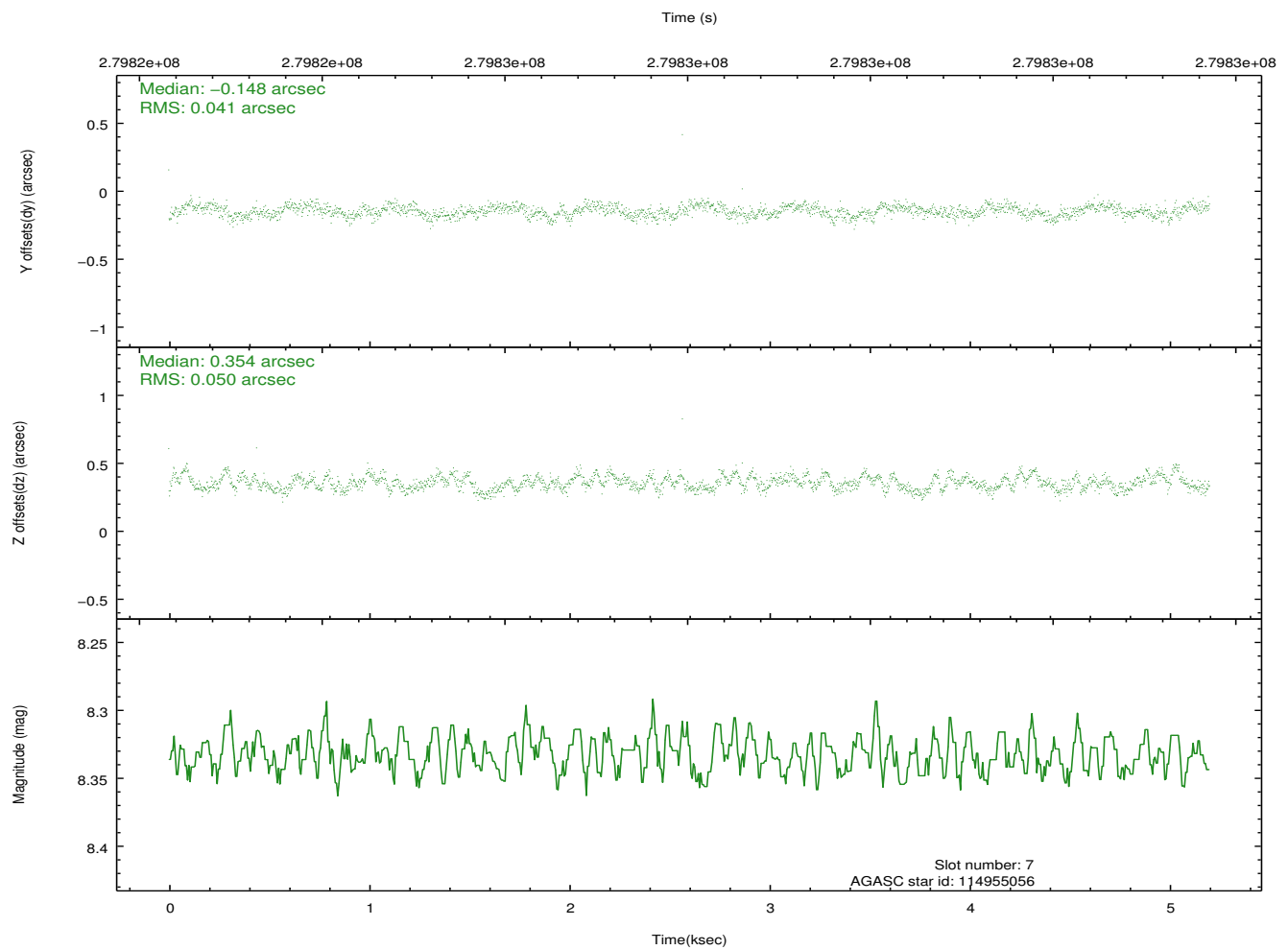
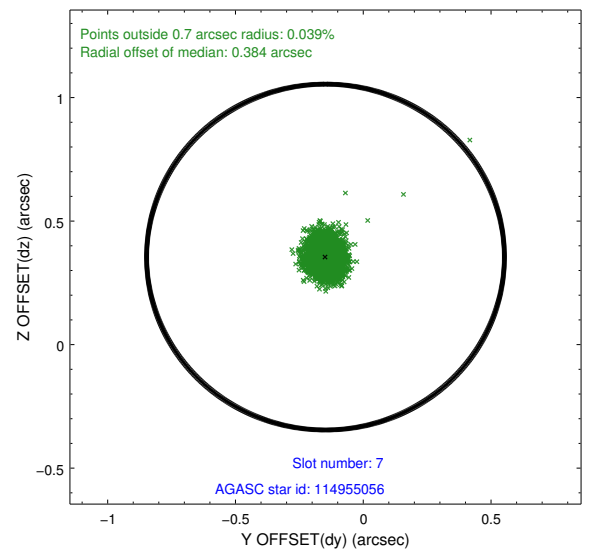
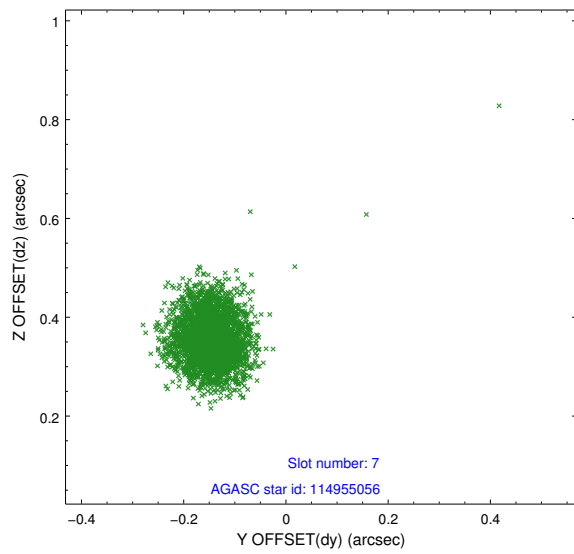
2.4.3 Slot 5



2.4.4 Slot 6

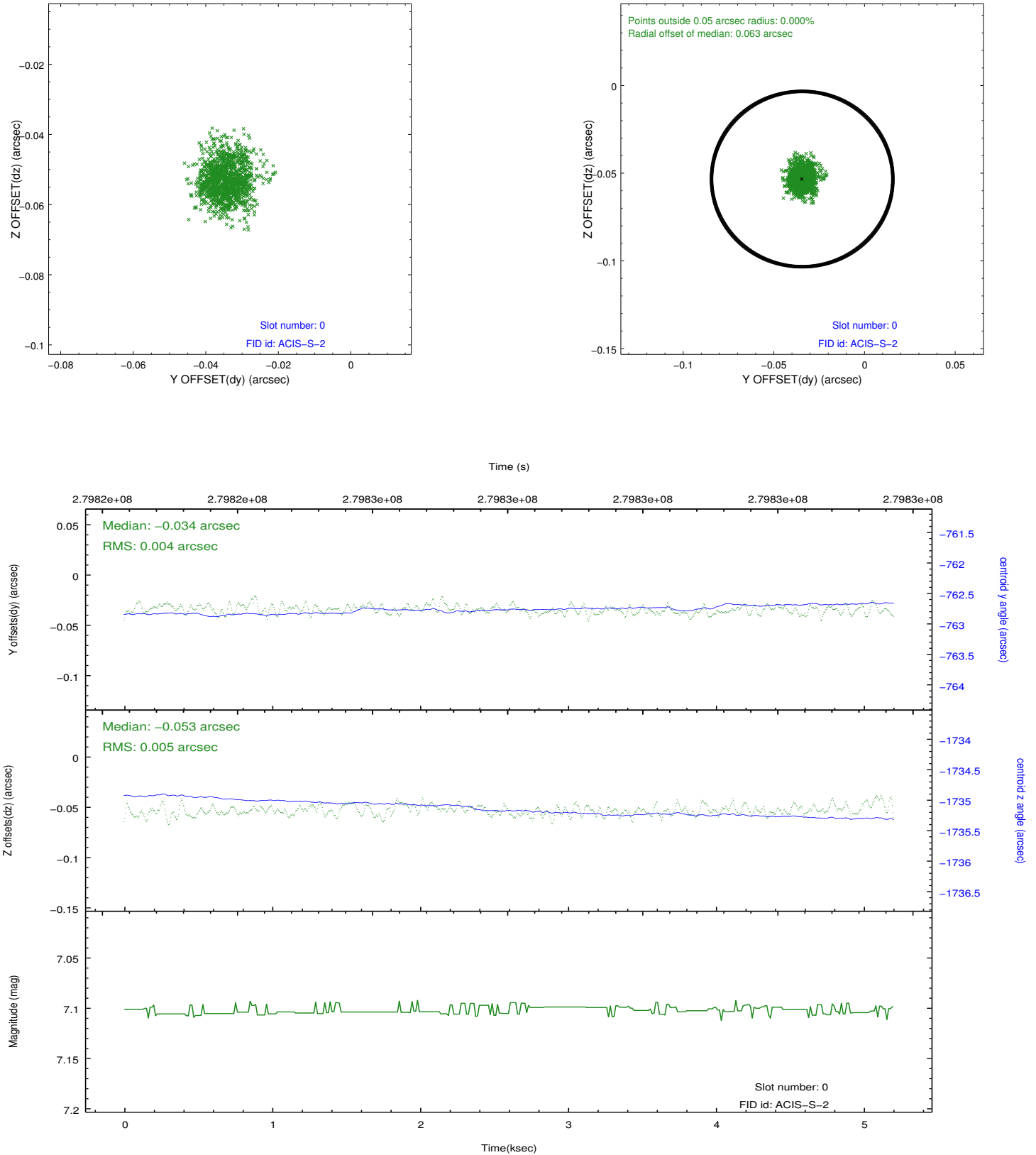


2.4.5 Slot 7

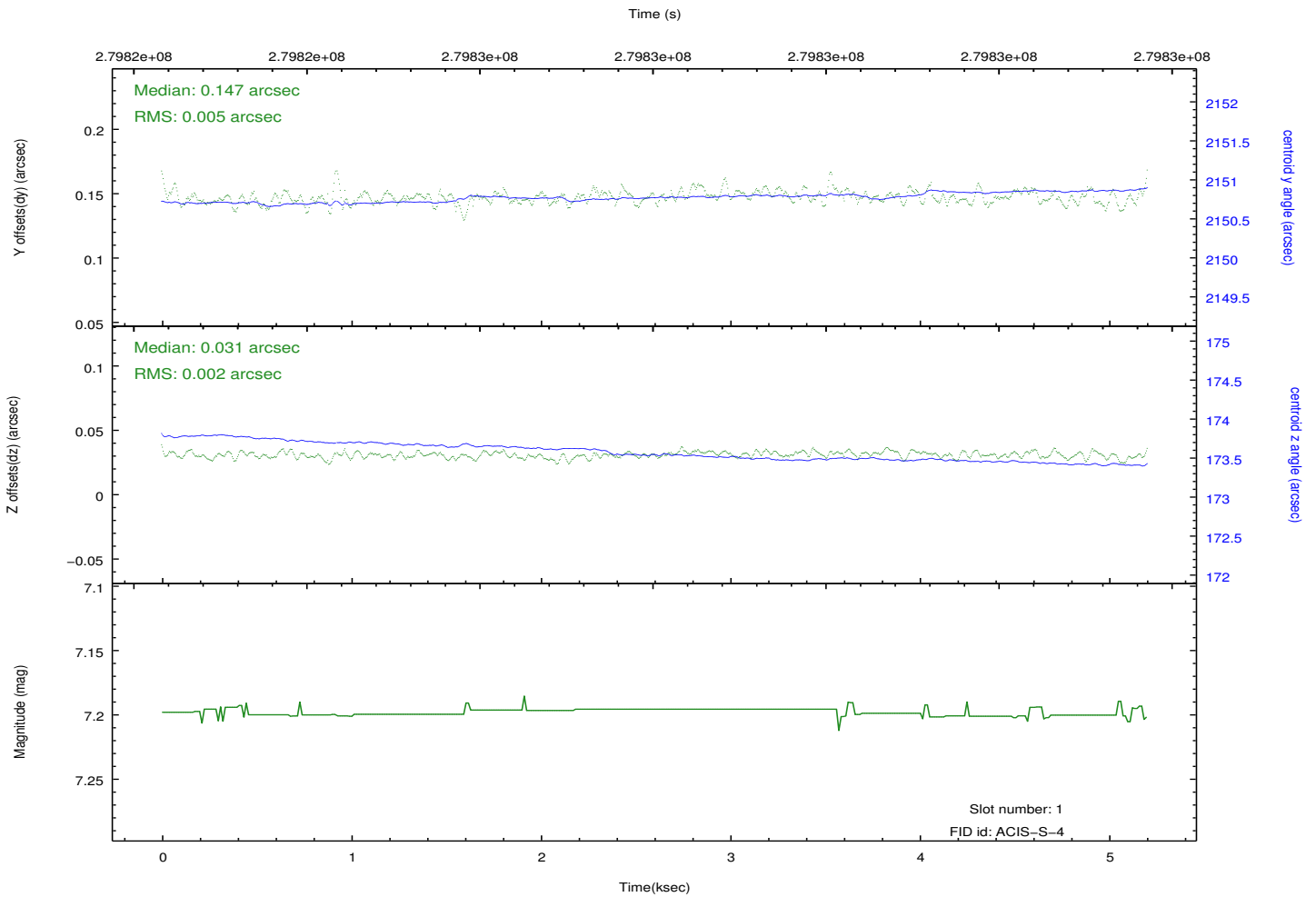
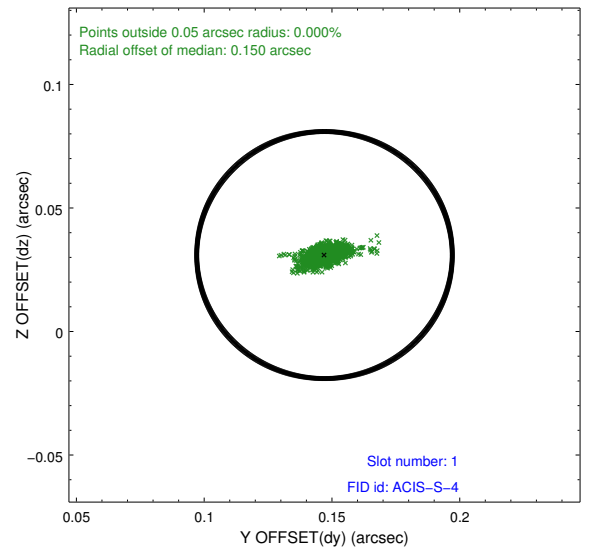
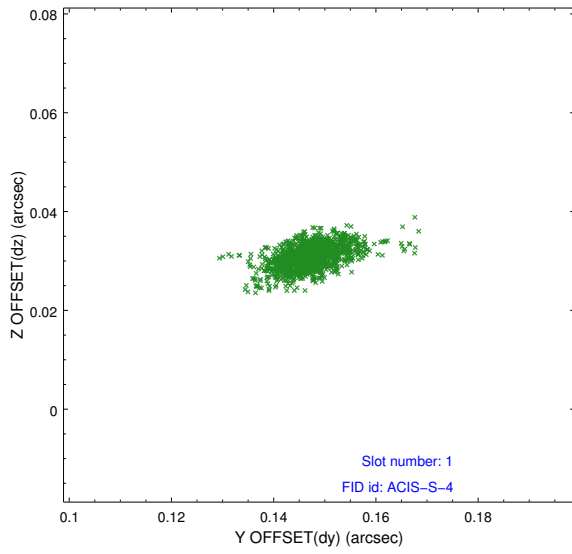


2.5 FID Slots

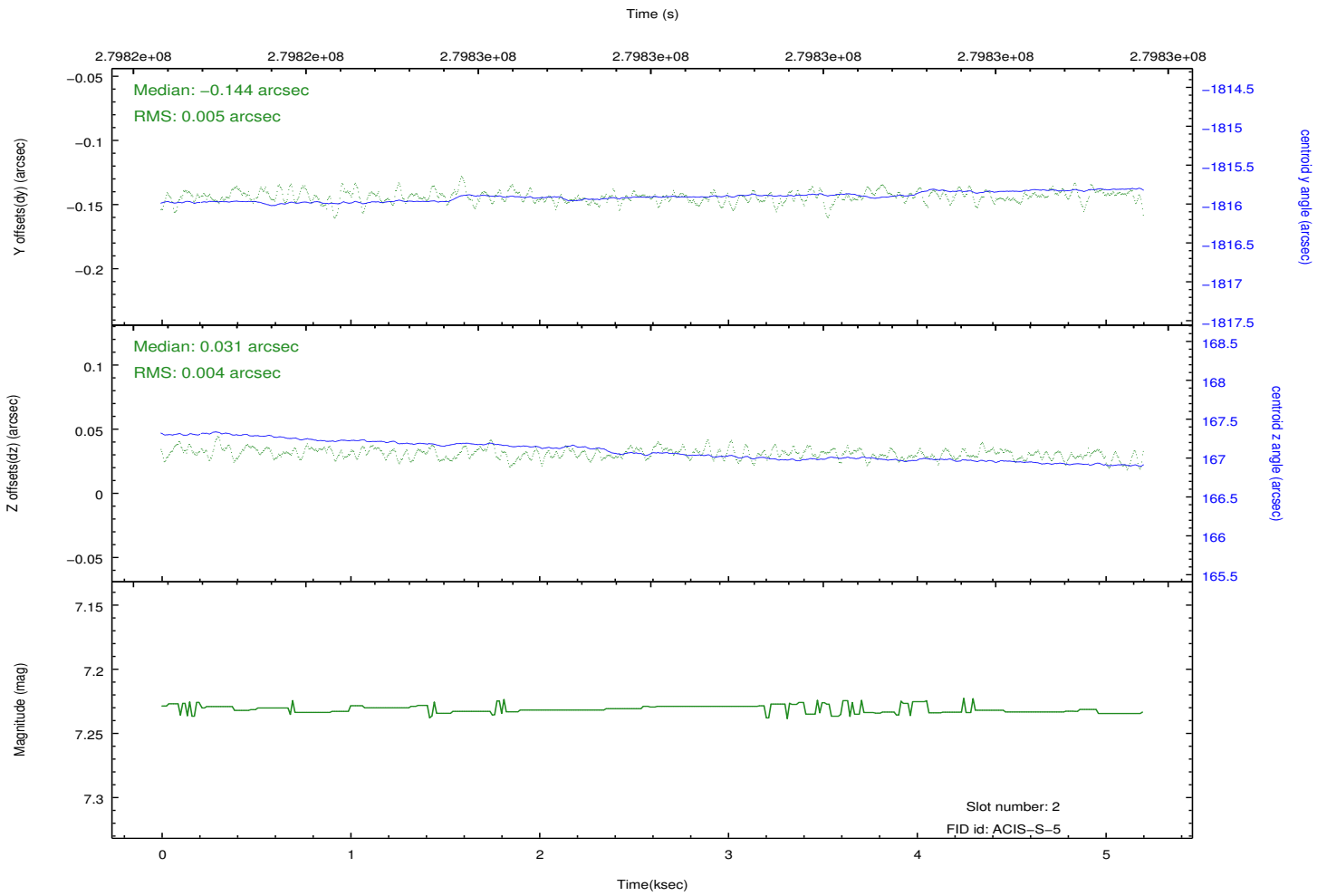
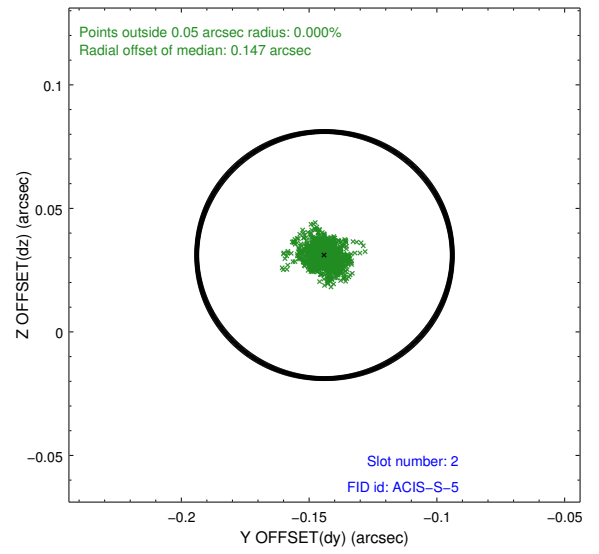
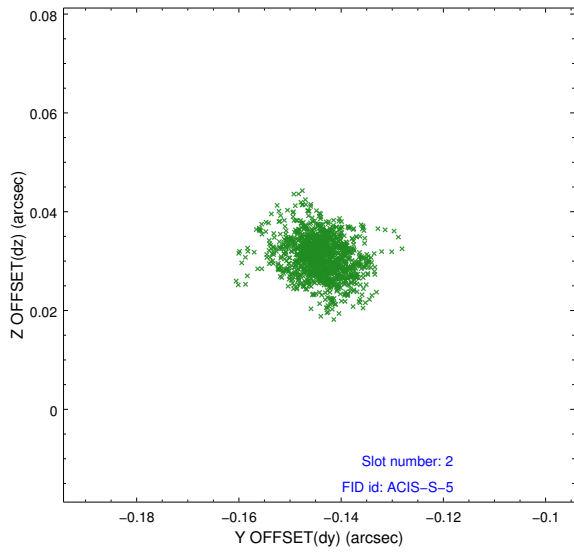
2.5.1 Slot 0



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)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0095997

A.2 Comments

Joint proposal with HST.