

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2696 - L2 Version 3
Chandra X-Ray Center

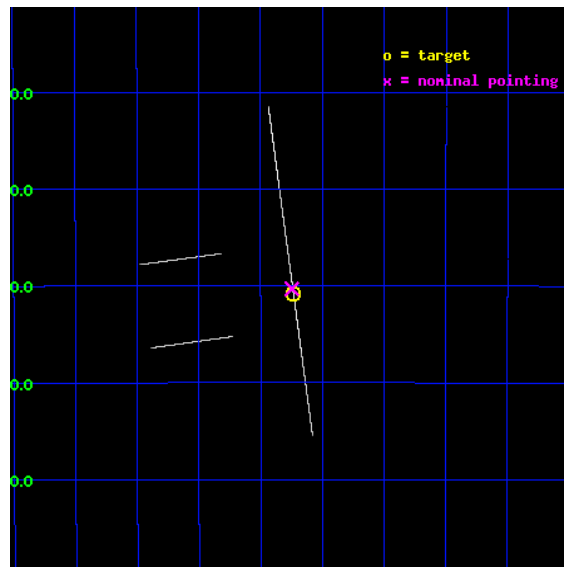
L2 Processing Date : Oct 5 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

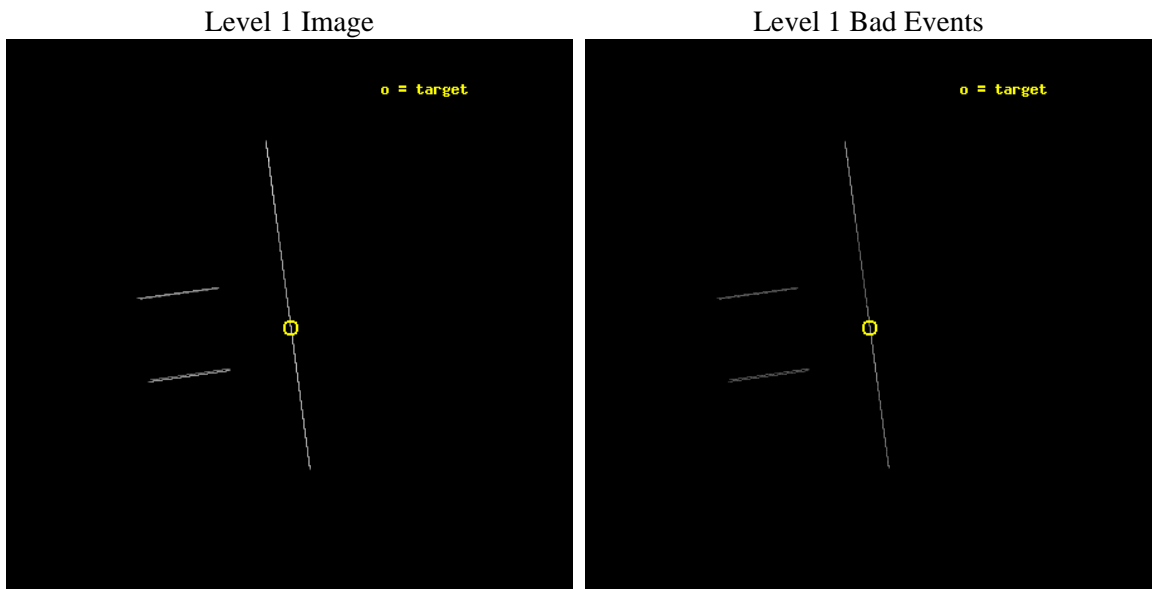
seq_num	400176	Sequence number
obs_id	2696	Observation id
title	THE FAINTEST 'FIELD' LOW-MASS X-RAY BINARIES	Proposal title
observer	PROF MICHIEL VAN DER KLIS	Principal investigator
object	1739-304	Source name
ra_targ	265.683333	Observer's specified target RA [deg]
dec_targ	-30.514306	Observer's specified target Dec [deg]
ra_nom	265.68661019501	Nominal RA [deg]
dec_nom	-30.505251380646	Nominal Dec [deg]
roll_nom	82.22124236846	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3384.0	Sum of GTIs [s]
livetime	3370.78125	Livetime [s]
ontime2	3384.0	Sum of GTIs [s]
ontime3	3384.0	Sum of GTIs [s]
ontime5	3384.0	Sum of GTIs [s]
ontime6	3384.0	Sum of GTIs [s]
ontime7	3384.0	Sum of GTIs [s]
ontime8	3384.0	Sum of GTIs [s]
l2events	37865	Number of level 2 events



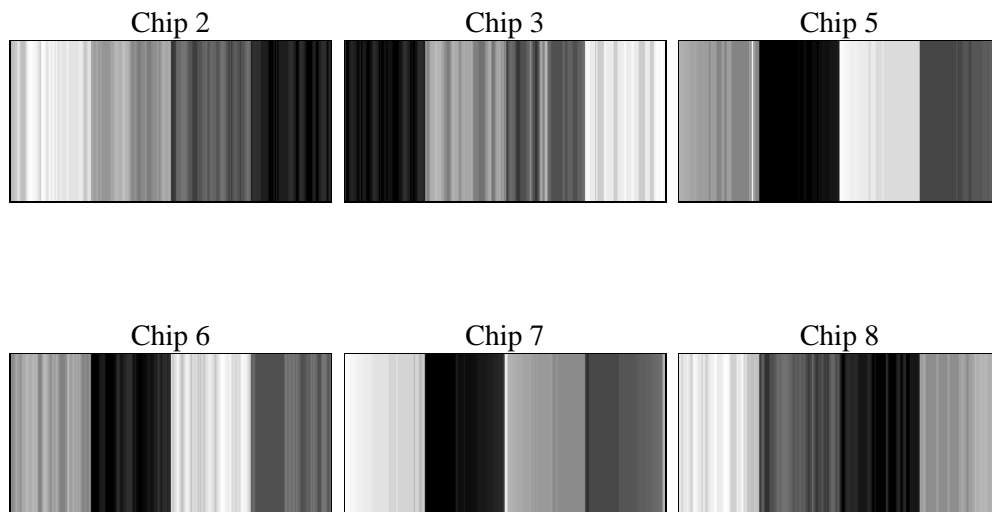
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3384.0	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3384.0	Sum of GTIs [s]
date	2012-10-05T16:41:56	Date and time of file creation	ontime3	3384.0	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3384.0	Sum of GTIs [s]
			ontime6	3384.0	Sum of GTIs [s]
			ontime7	3384.0	Sum of GTIs [s]
			ontime8	3384.0	Sum of GTIs [s]
			l1events	67983	Number of level 1 events

2.1.4 Events

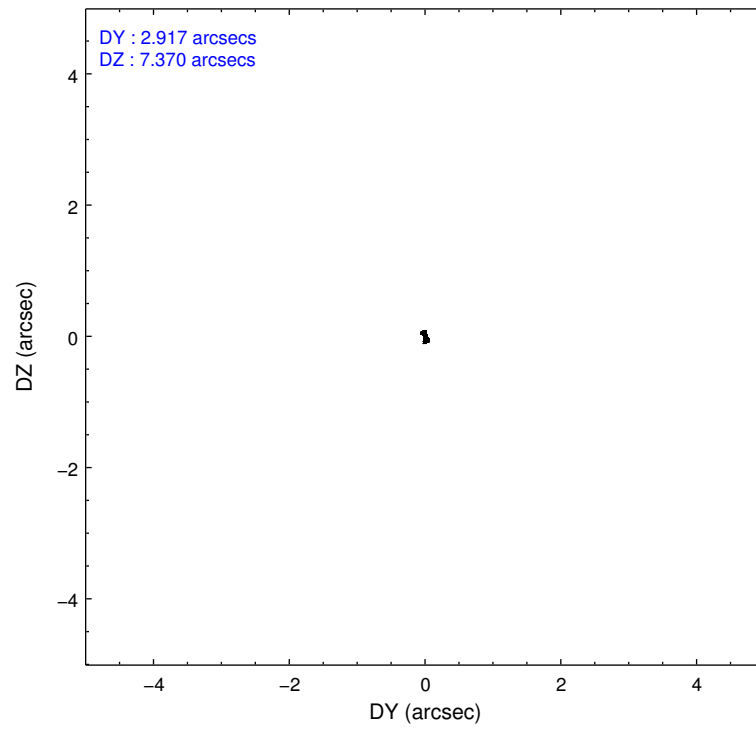
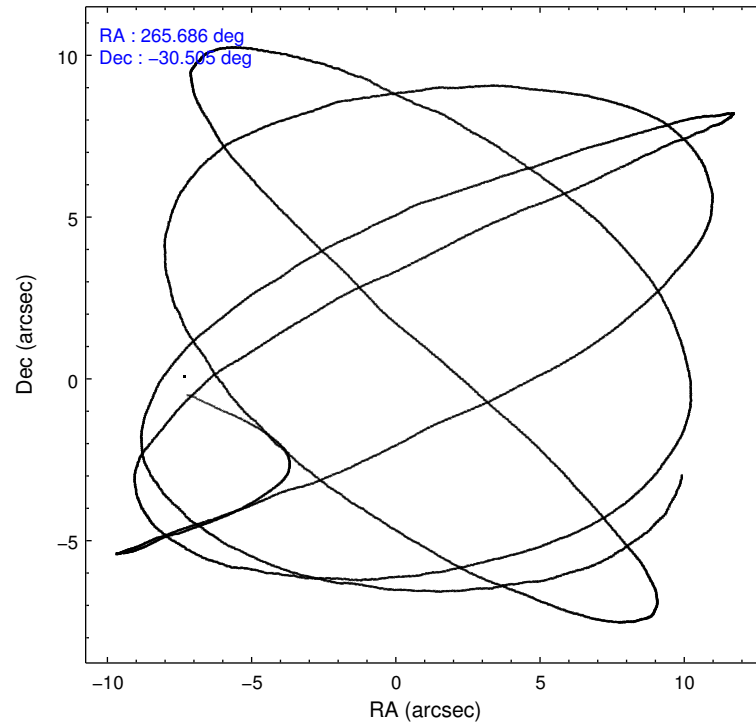
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5169	5302	24320	5853	16279	11060
rejected events	1460	1449	5762	1574	5051	2564
rejected %	28%	27%	23%	26%	31%	23%

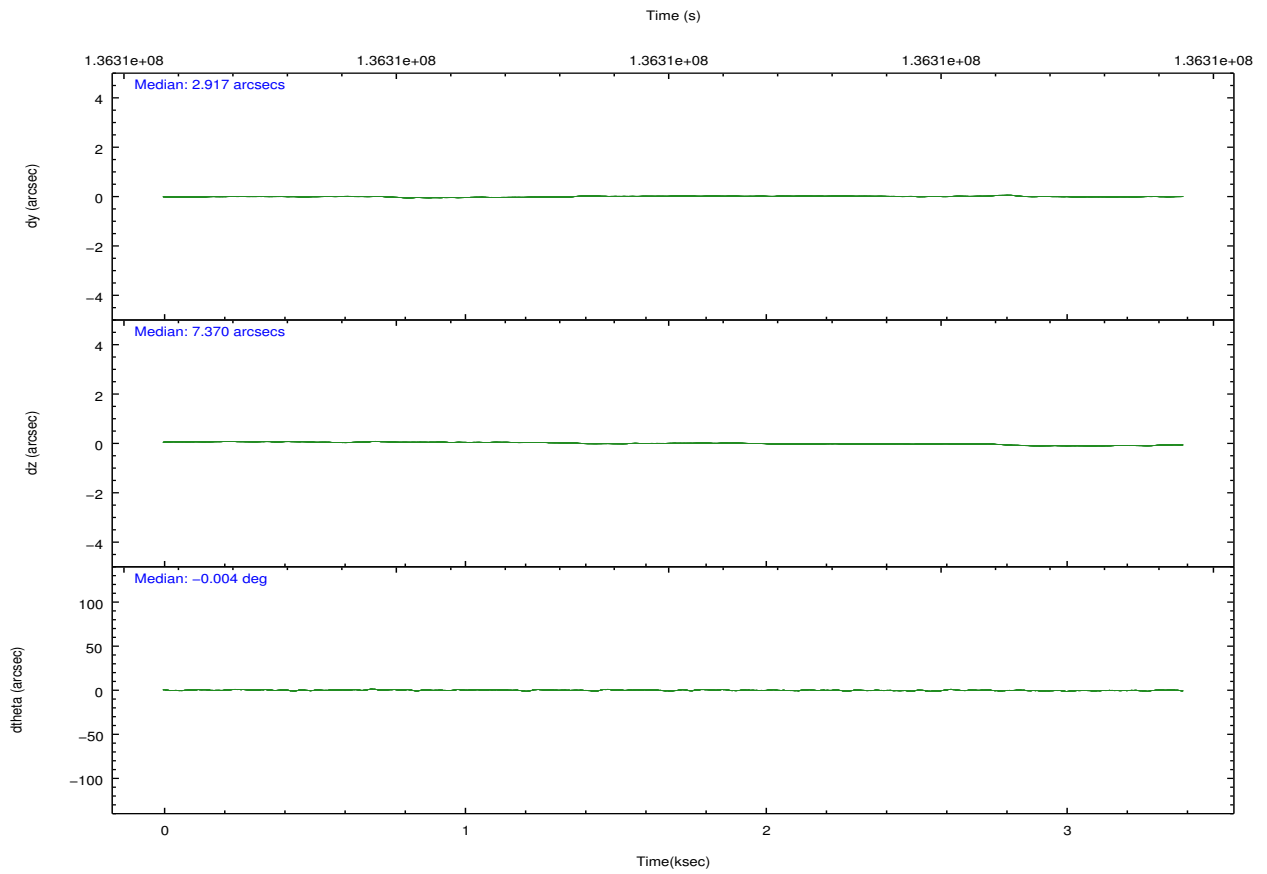
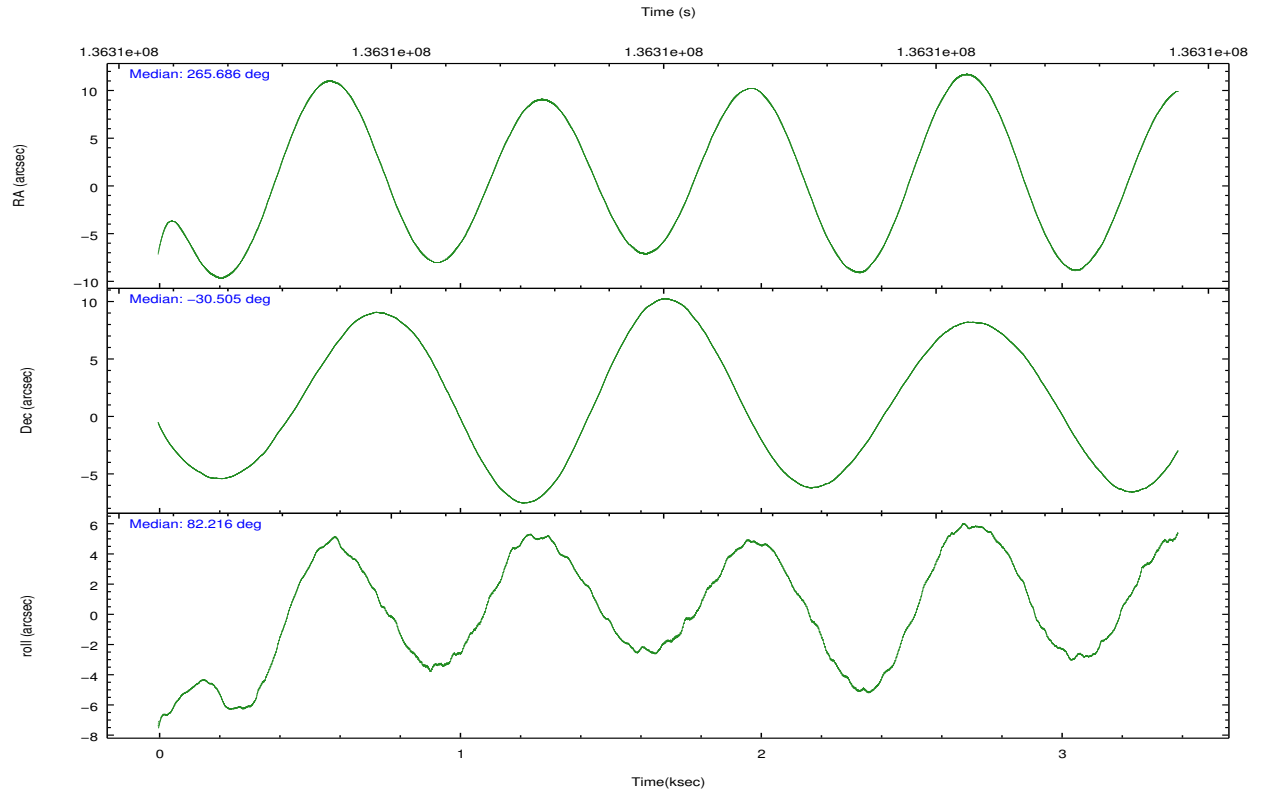
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	593	547	5715	569	1298	2107
	11%	10%	23%	9%	7%	19%
grade 1 events	15	9	33	20	46	28
	0%	0%	0%	0%	0%	0%
grade 2 events	1607	1752	5984	2078	3310	2856
	31%	33%	24%	35%	20%	25%
grade 3 events	559	652	499	587	1023	1209
	10%	12%	2%	10%	6%	10%
grade 4 events	563	581	464	547	1032	1227
	10%	10%	1%	9%	6%	11%
grade 5 events	886	835	2272	955	2741	1349
	17%	15%	9%	16%	16%	12%
grade 6 events	946	926	9353	1097	6829	2284
	18%	17%	38%	18%	41%	20%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	265.699124	265.6866101950079	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.530170	-30.50525138064558	Alternating exposures requested	N	N
[deg] Pointing Roll	82.070958	82.22124236845966	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	136308705.184000	136307626.55679			
Observation start date	2002-04-27T15:30:41	2002-04-27T15:13:46			
[s] Observation end time (MET)	136311705.184000	136312001.76947			
Observation end date	2002-04-27T16:20:41	2002-04-27T16:26:41			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



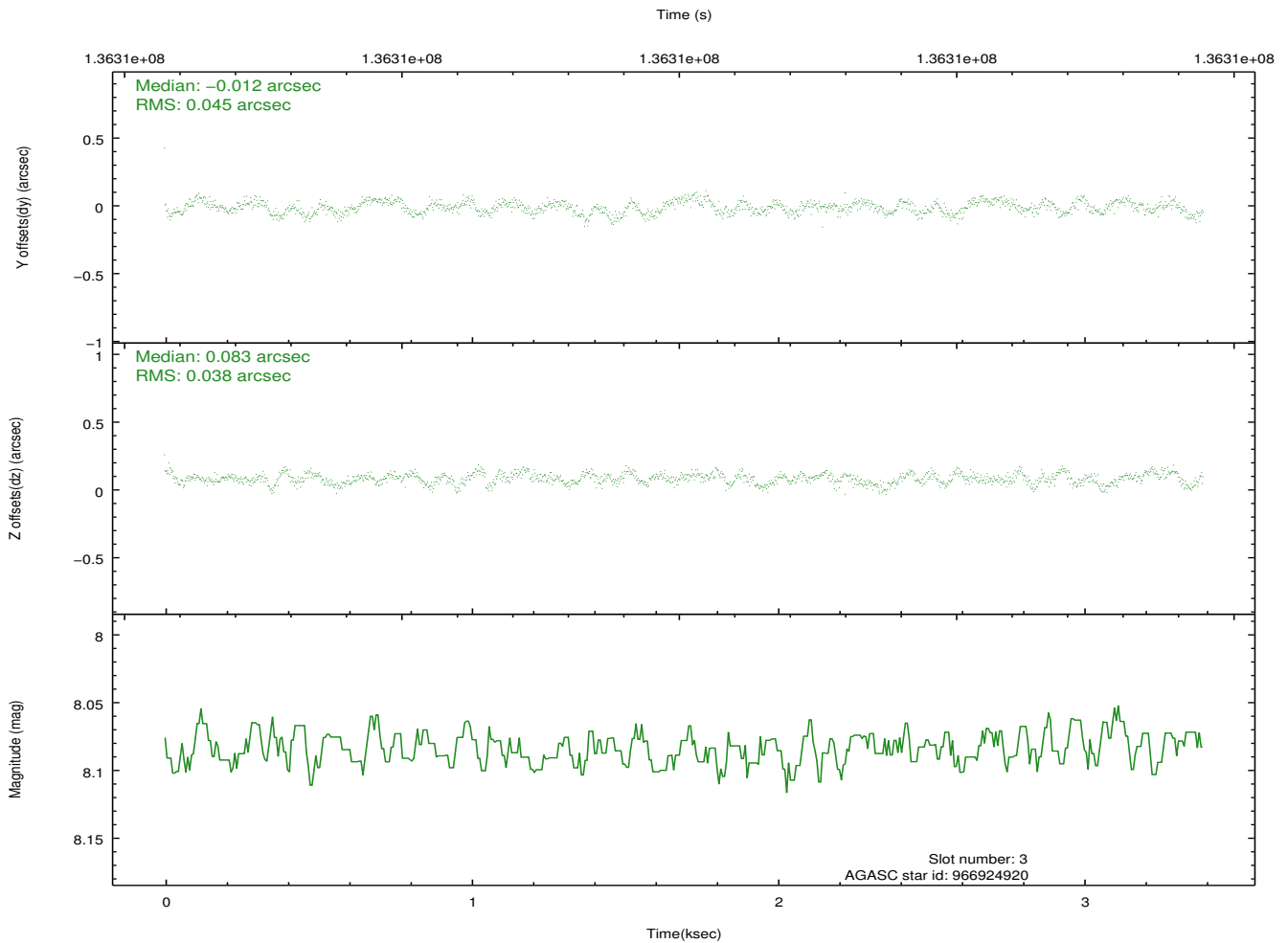
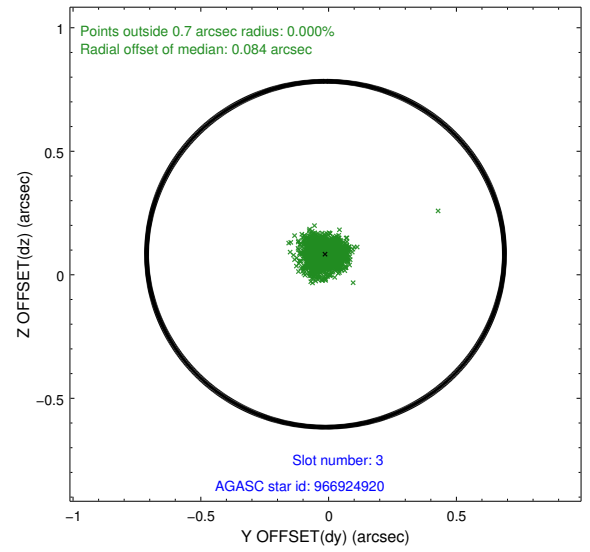
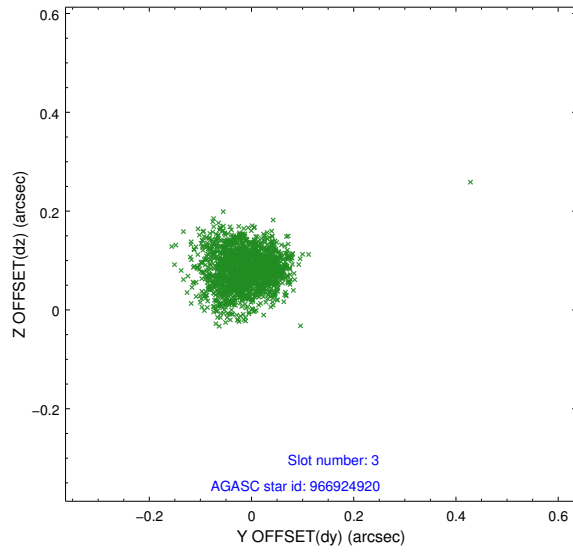


Slot Statistics

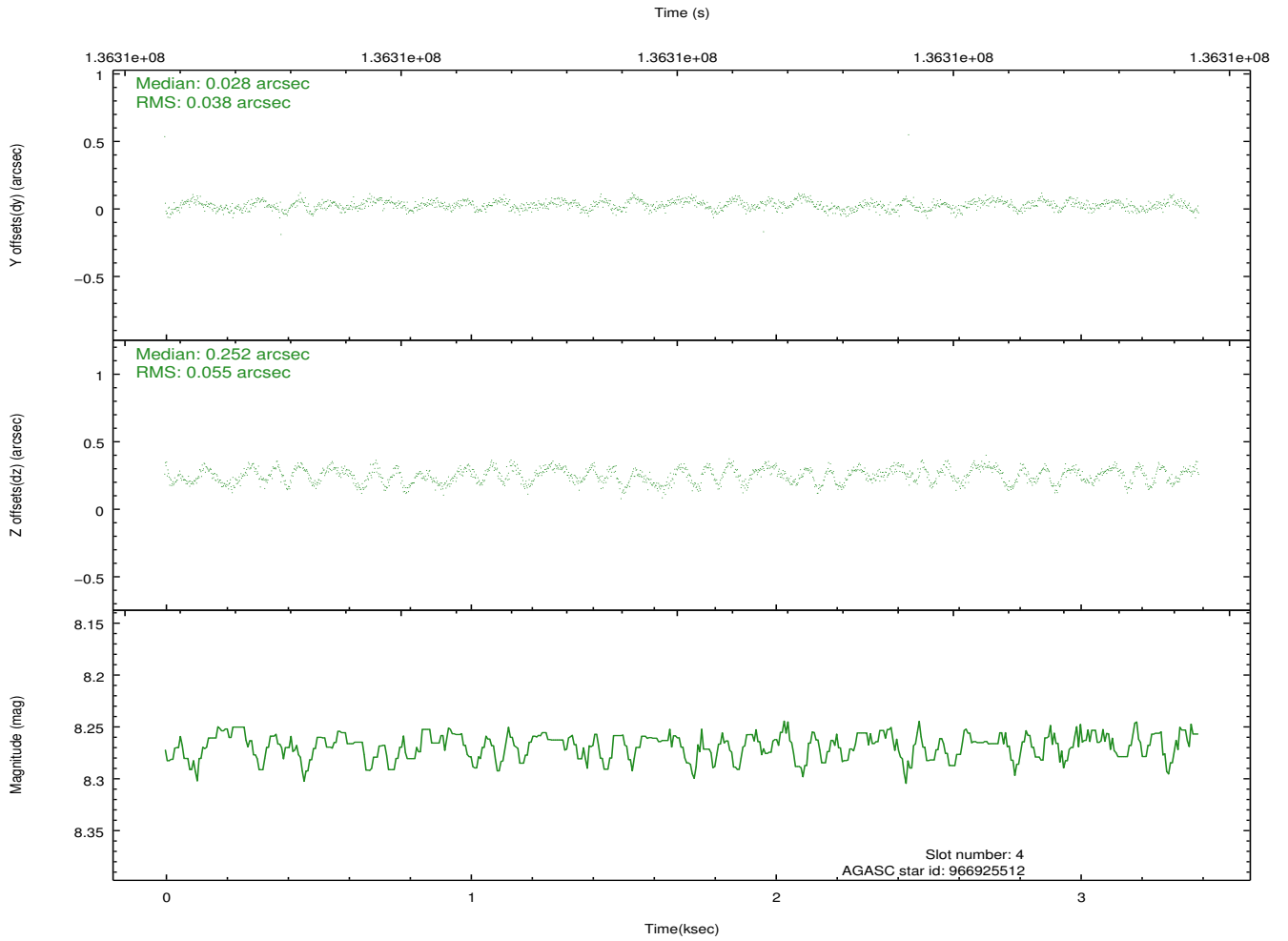
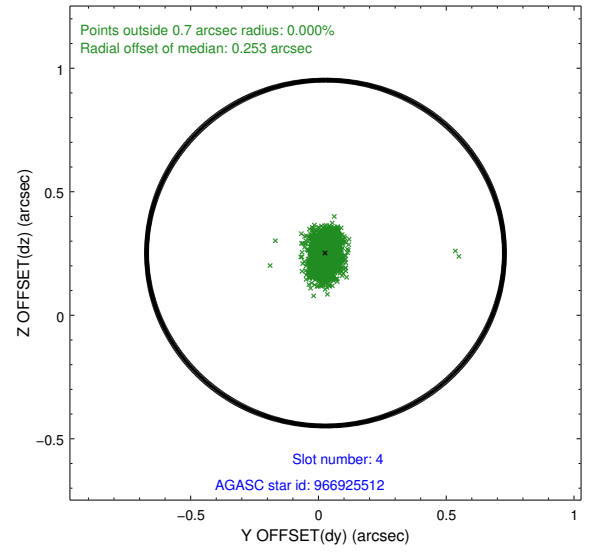
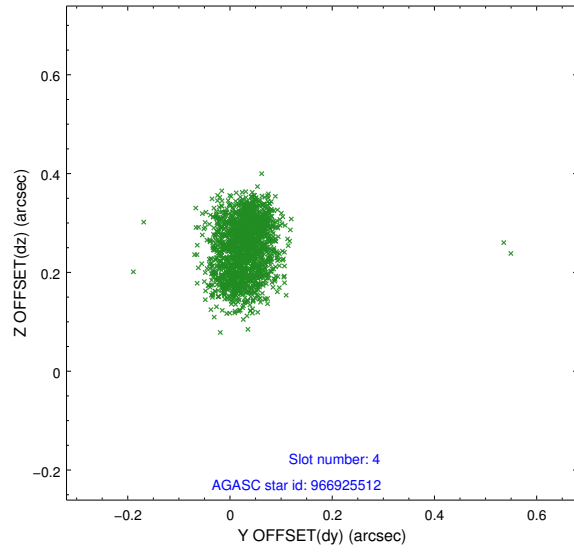
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	827	-0.008	0.002	0.007	0.011	0.000000	0.000000	-755.57	-1728.54
1	FID	ACIS-S-4	7.20	827	-0.037	0.003	0.005	0.010	0.000000	0.000000	2156.84	178.01
2	FID	ACIS-S-5	7.24	827	0.014	0.003	0.007	0.011	0.000000	0.000000	-1805.98	173.81
3	GUIDE	966924920	8.08	1655	-0.012	0.083	0.062	0.097	265.875401	-30.176961	1335.34	-368.72
4	GUIDE	966925512	8.27	1655	0.028	0.252	0.071	0.108	266.373606	-31.056700	-1595.04	-2323.60
5	GUIDE	966923376	8.73	1655	0.060	0.213	0.071	0.124	266.333558	-31.111316	-1807.97	-2228.45
6	GUIDE	966787648	8.88	1655	-0.173	-0.144	0.067	0.110	265.297931	-30.077843	1437.51	1459.95
7	GUIDE	966793072	9.12	1654	0.098	-0.389	0.086	0.134	264.914127	-30.893007	-1635.26	2220.01

2.4 Star Slots

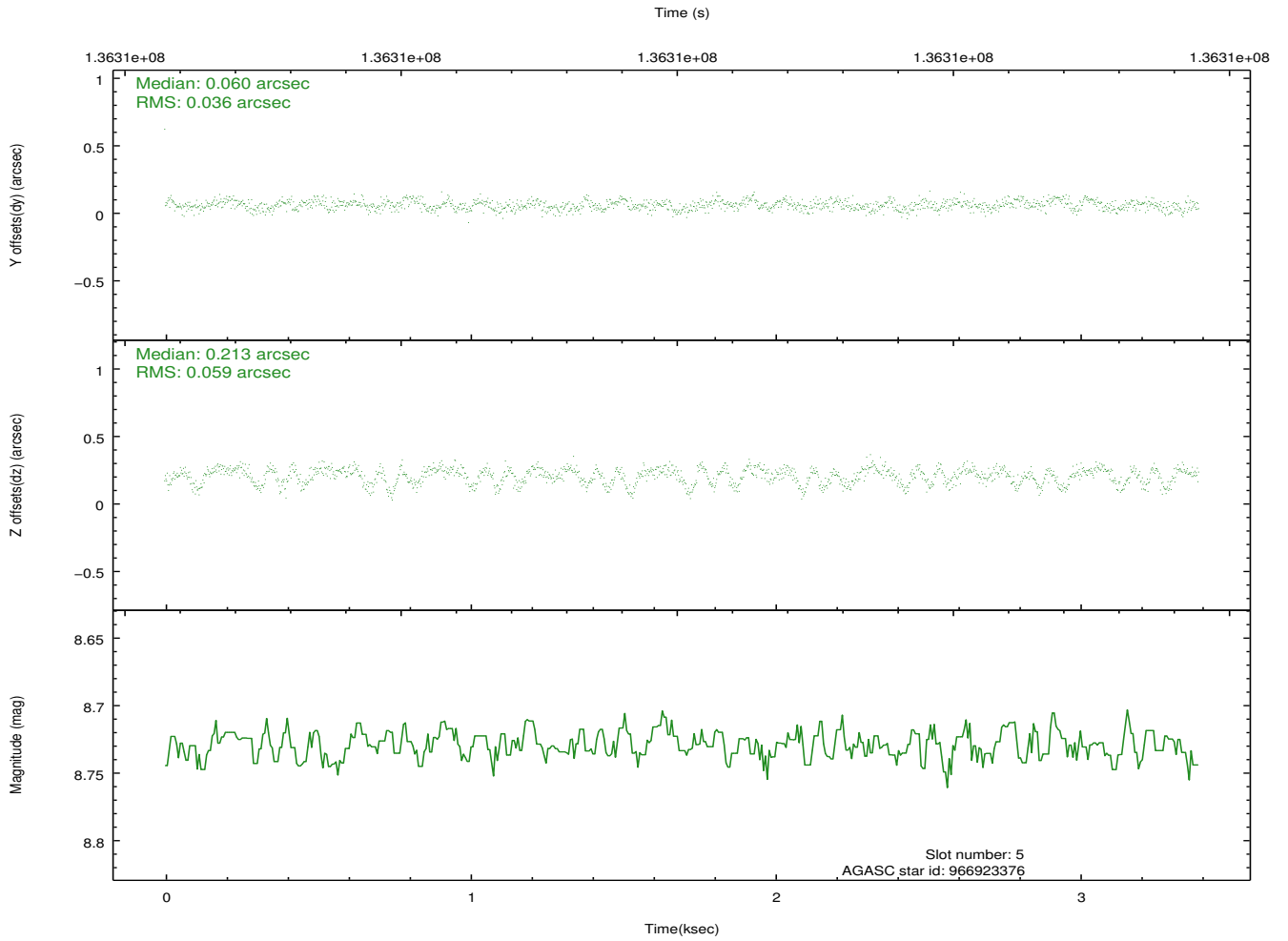
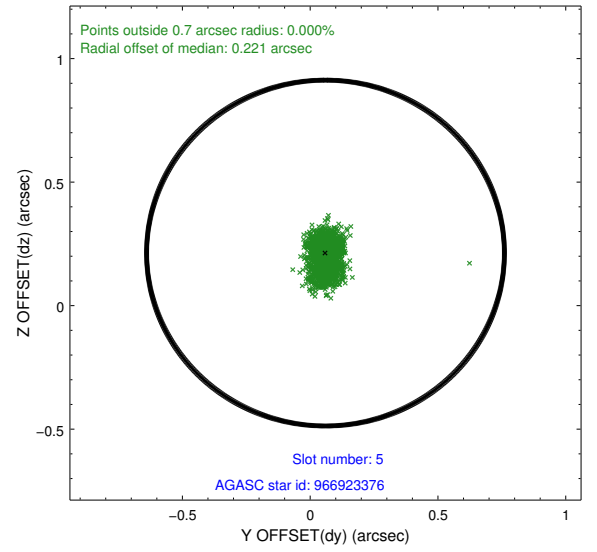
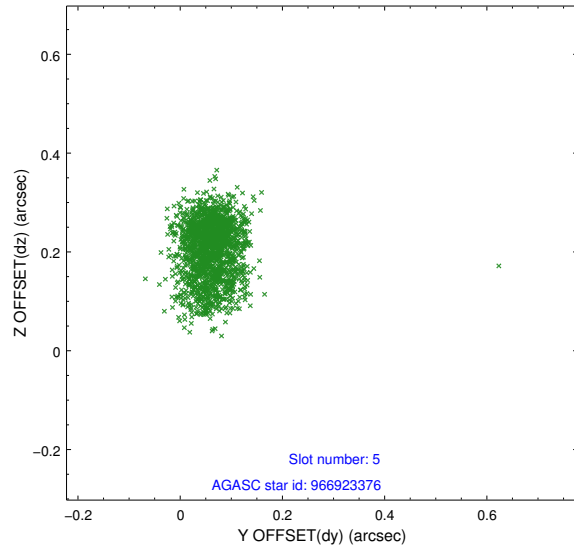
2.4.1 Slot 3



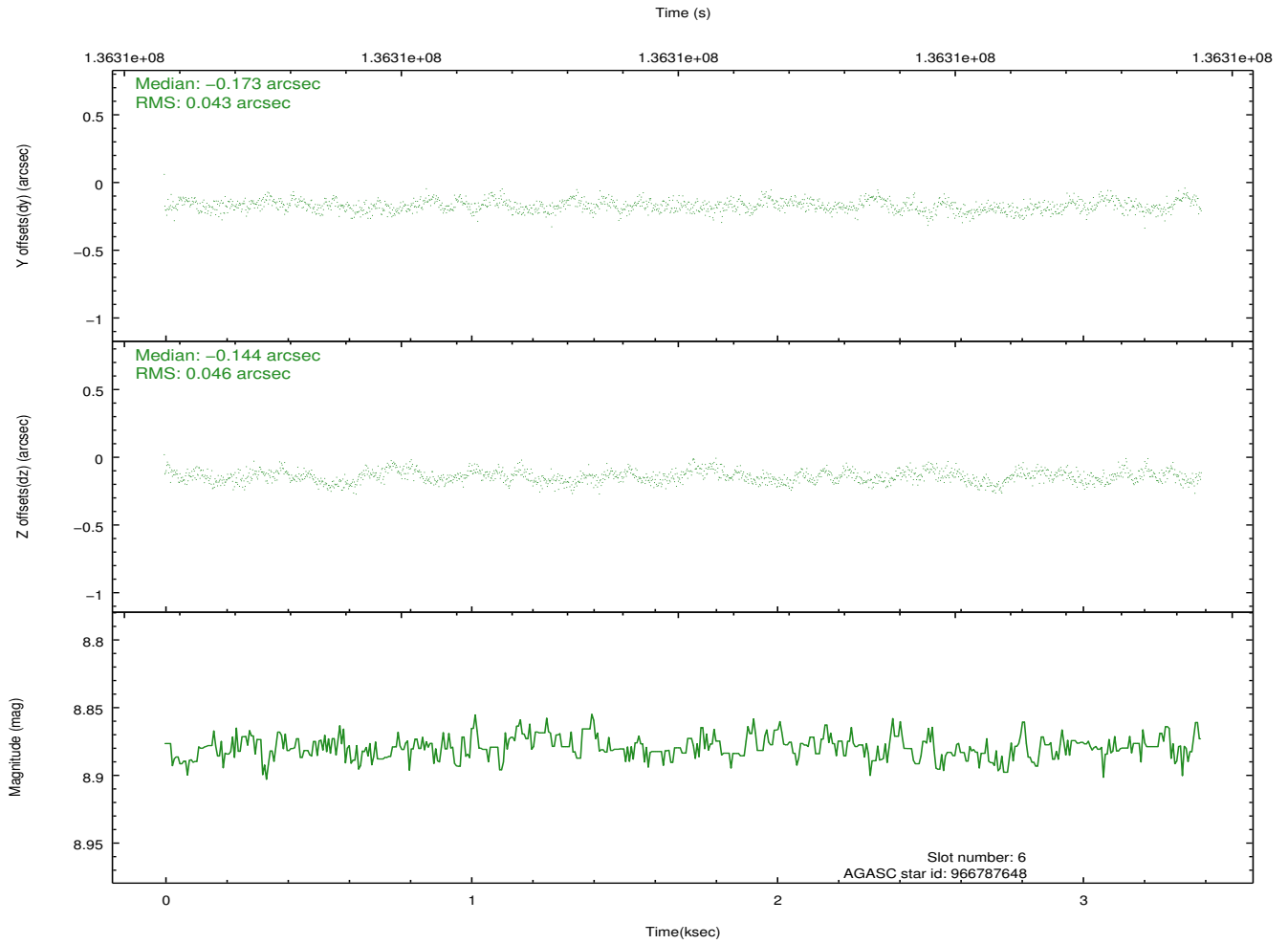
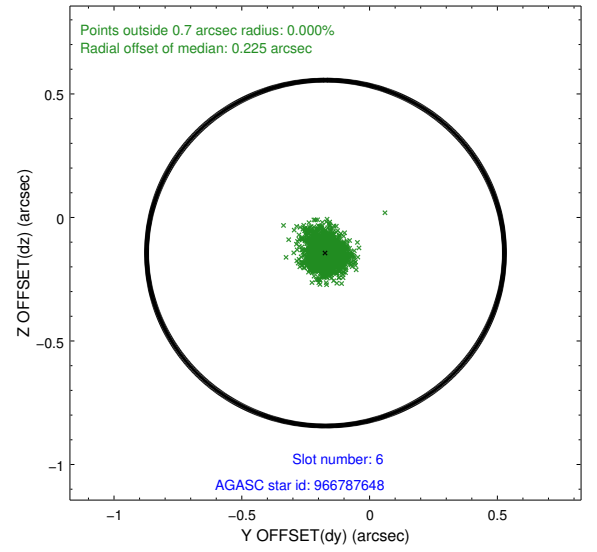
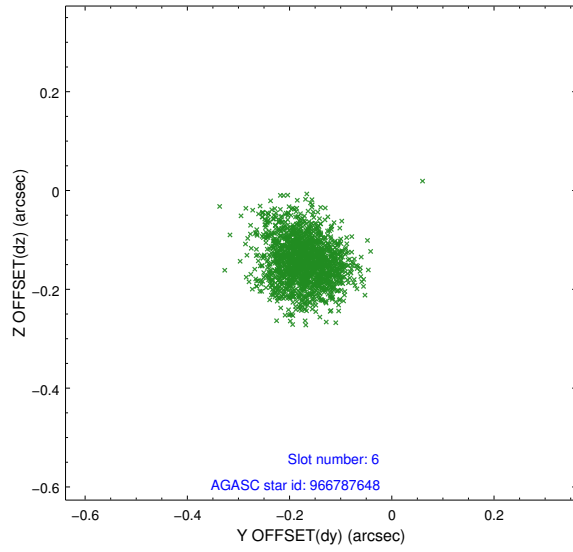
2.4.2 Slot 4



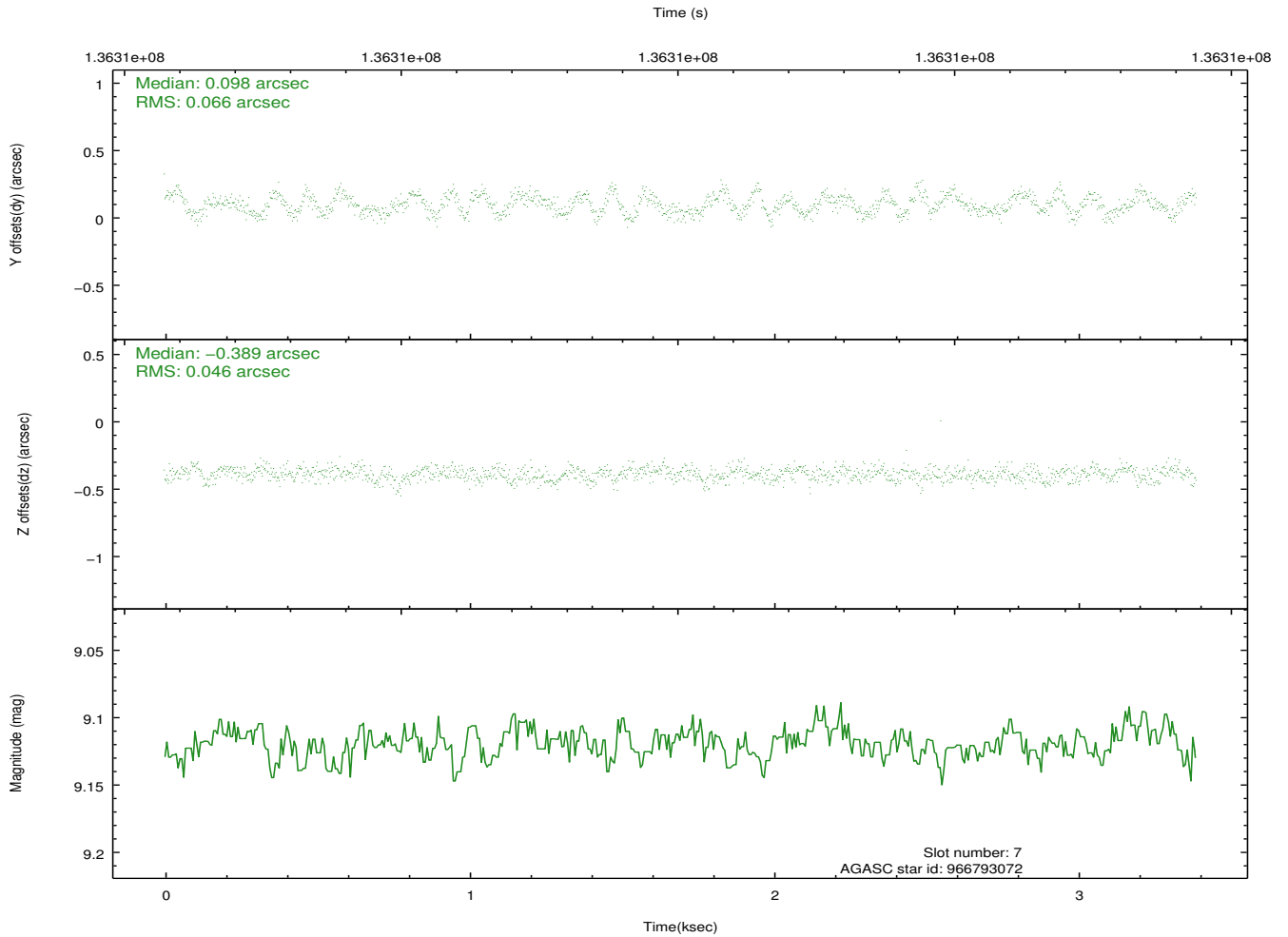
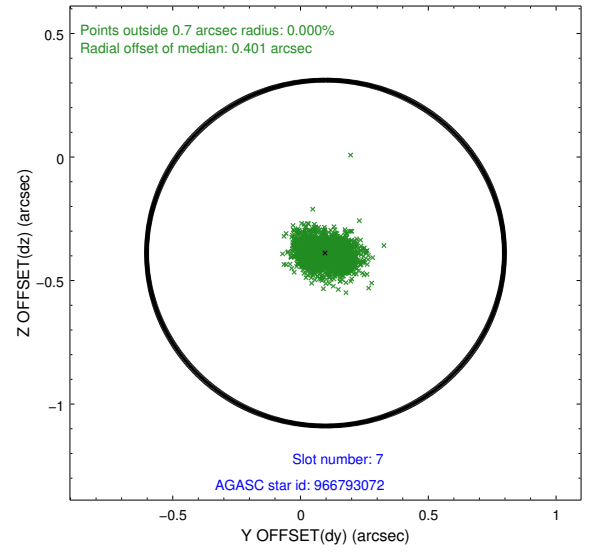
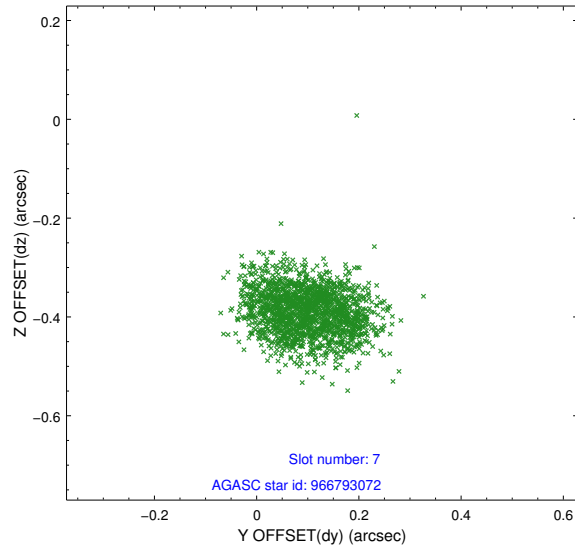
2.4.3 Slot 5



2.4.4 Slot 6

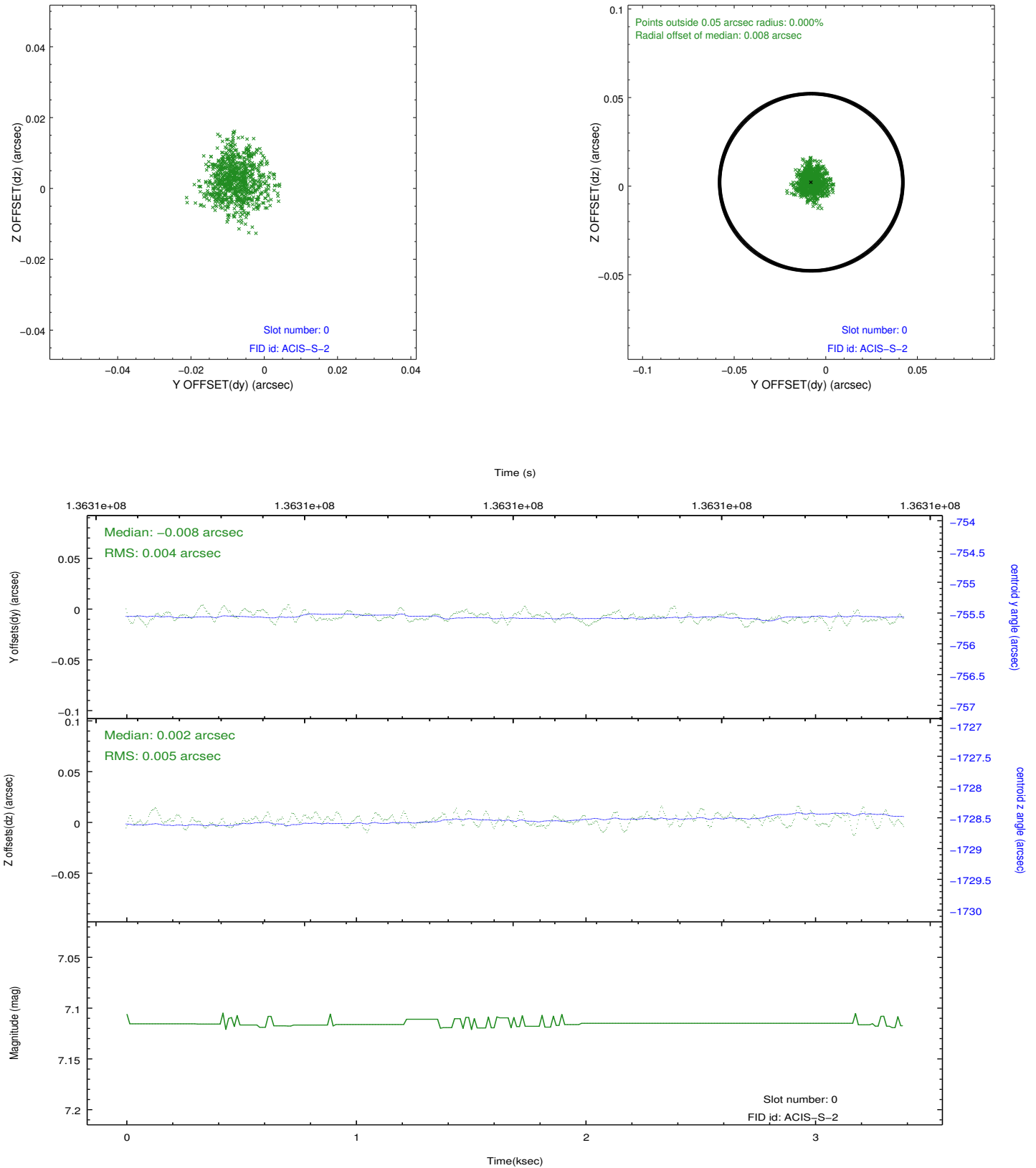


2.4.5 Slot 7

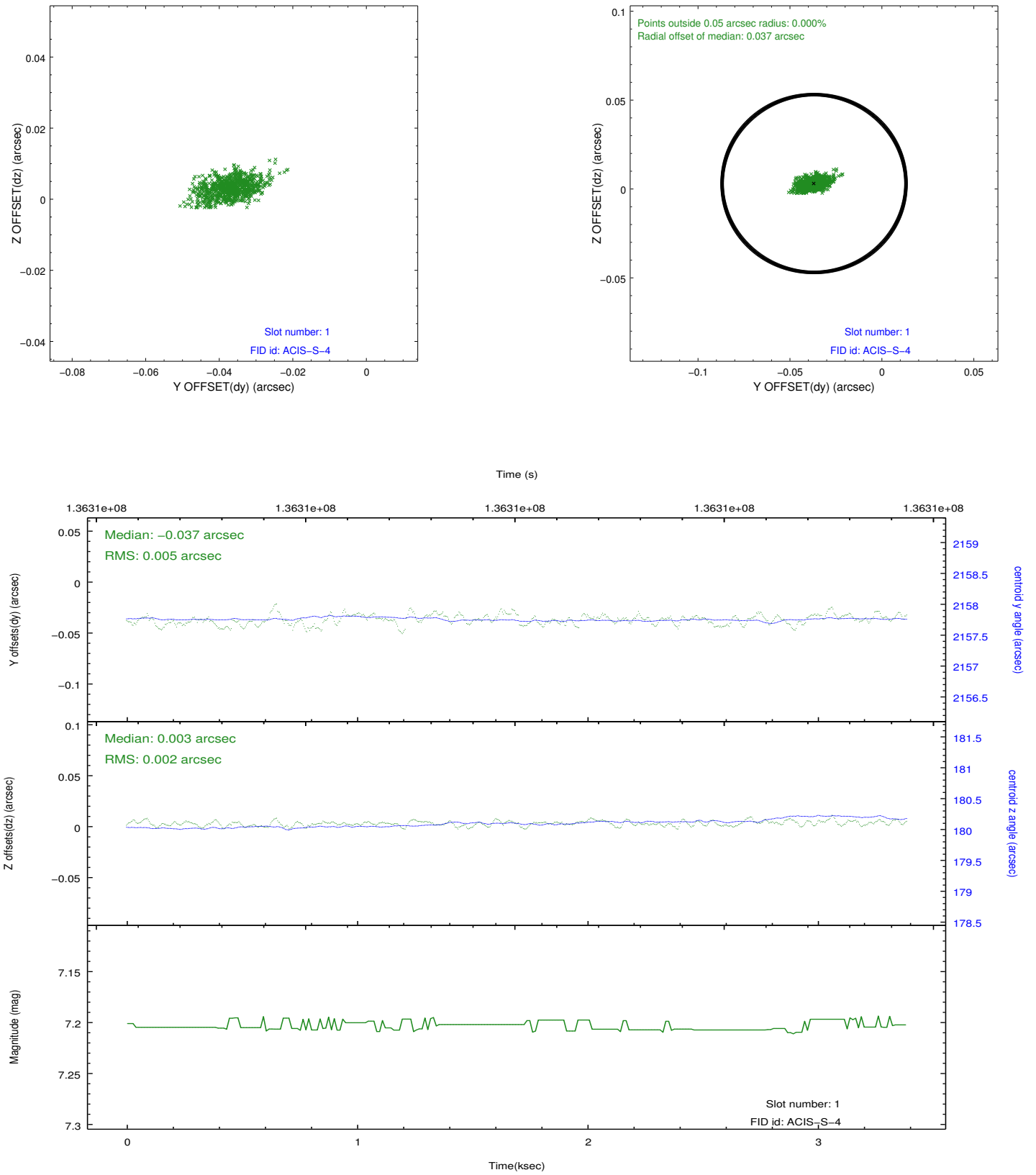


2.5 FID Slots

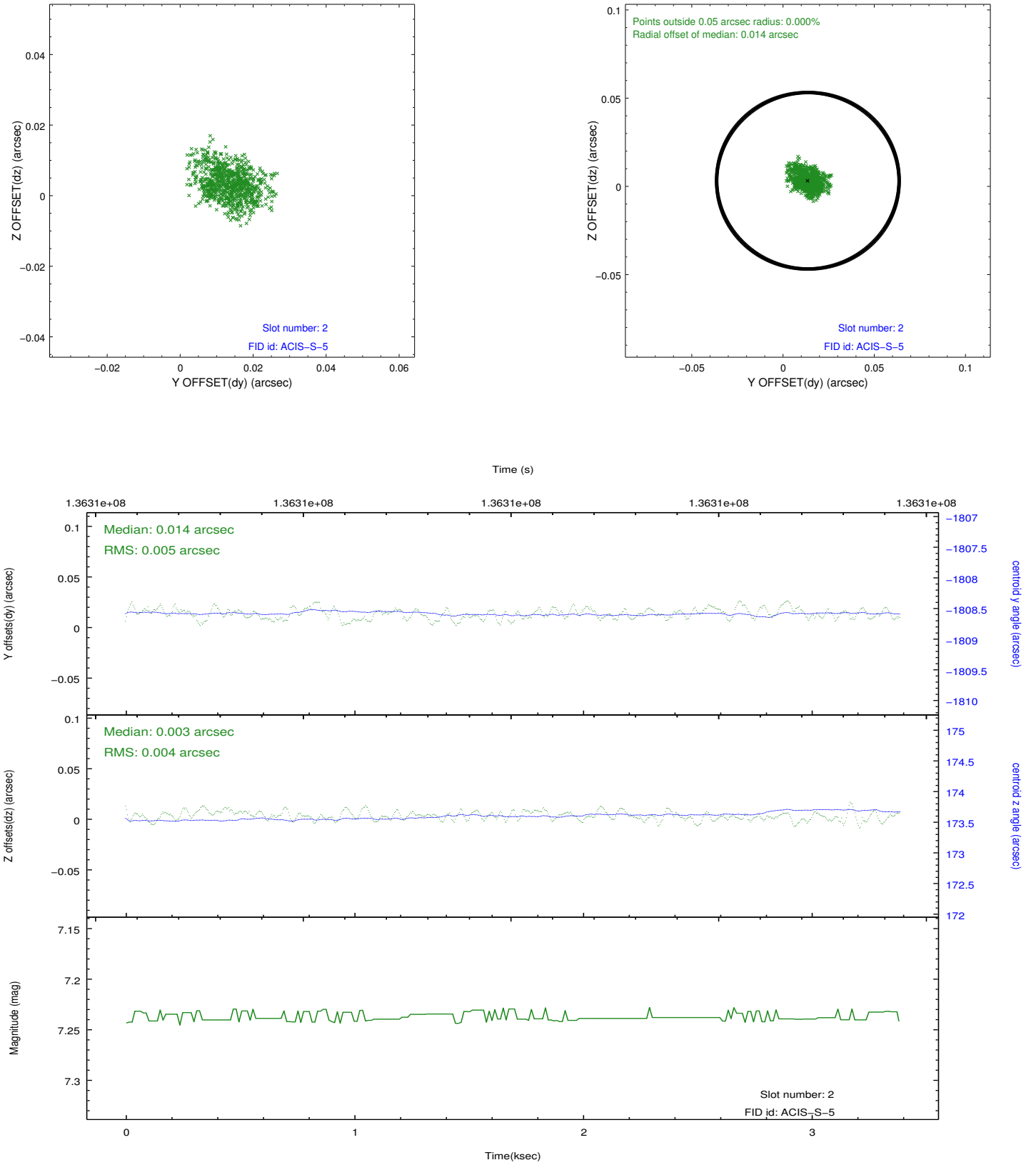
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.387

A.2 Comments