

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2684 - L2 Version 3
Chandra X-Ray Center

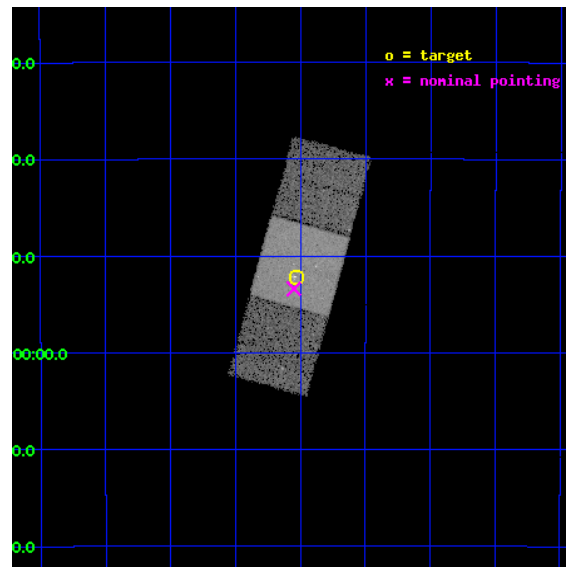
L2 Processing Date : Oct 10 2012

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

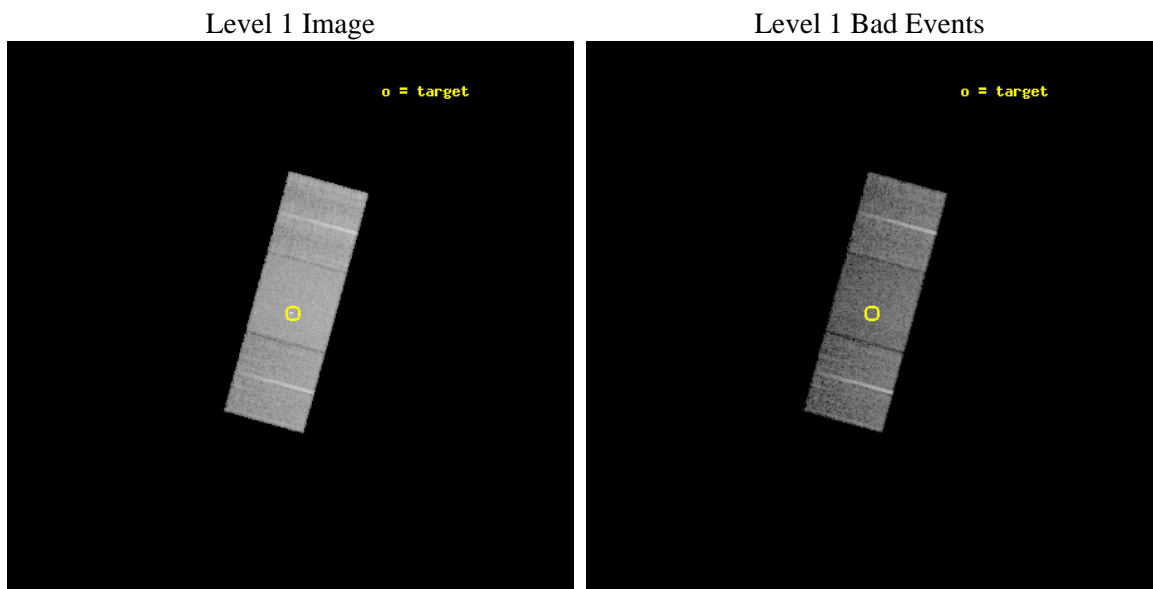
seq_num	300085	Sequence number
obs_id	2684	Observation id
title	MULTIWAVELENGTH STUDY OF THE GLOBULAR CLUSTER M28 (NGC~6626)	Propo
observer	Prof. Dr. Werner Becker	Principal investigator
object	M28	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.133333	Observer's specified target RA [deg]
dec_targ	-24.869639	Observer's specified target Dec [deg]
ra_nom	276.13756539066	Nominal RA [deg]
dec_nom	-24.890048818838	Nominal Dec [deg]
roll_nom	285.35411493551	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12914.599975139	Sum of GTIs [s]
livetime	12745.861218874	Livetime [s]
ontime6	12914.599975139	Sum of GTIs [s]
ontime7	12914.599975139	Sum of GTIs [s]
ontime8	12914.599975139	Sum of GTIs [s]
l2events	71948	Number of level 2 events



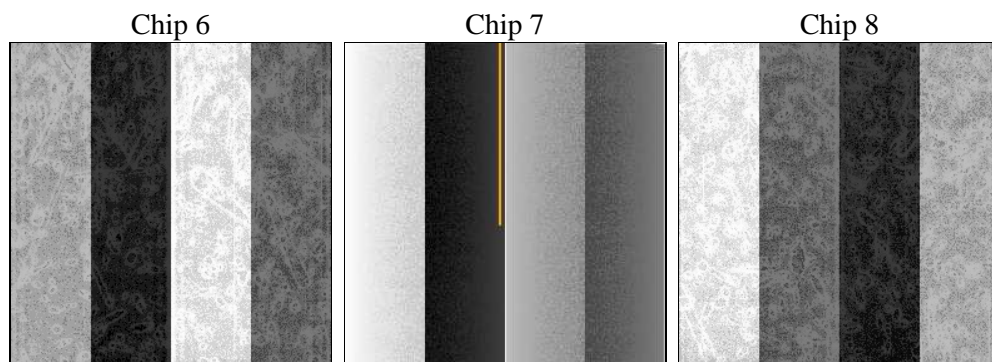
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12914.599975139	Sum of GTIs [s]
caldbver	4.5.2	 	ontime6	12914.599975139	Sum of GTIs [s]
date	2012-10-10T04:20:49	Date and time of file creation	ontime7	12914.599975139	Sum of GTIs [s]
revision	3	Processing version of data	ontime8	12914.599975139	Sum of GTIs [s]
			l1events	322770	Number of level 1 events

2.1.4 Events

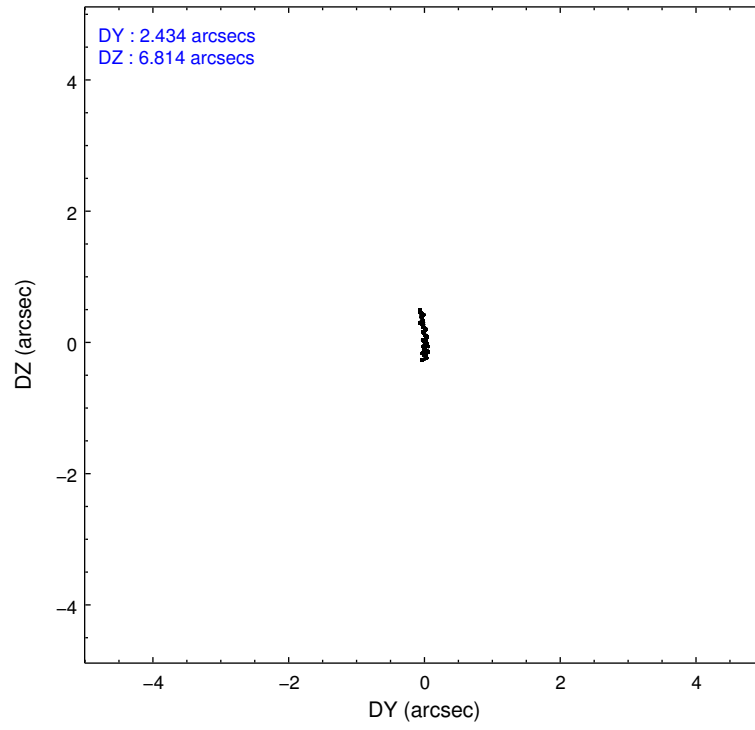
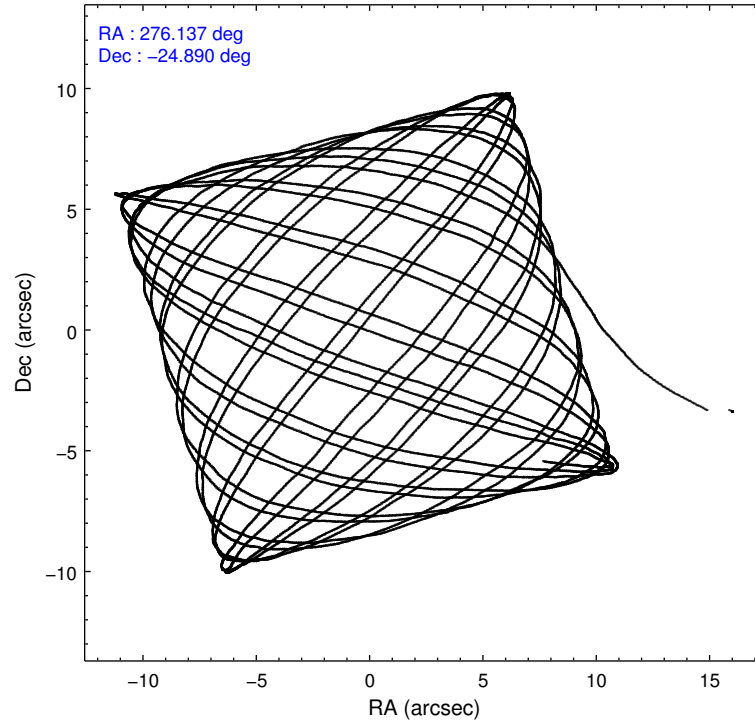
	ccd 6	ccd 7	ccd 8
level 1 events	88359	118087	116324
rejected events	76321	66706	87408
rejected %	86%	56%	75%

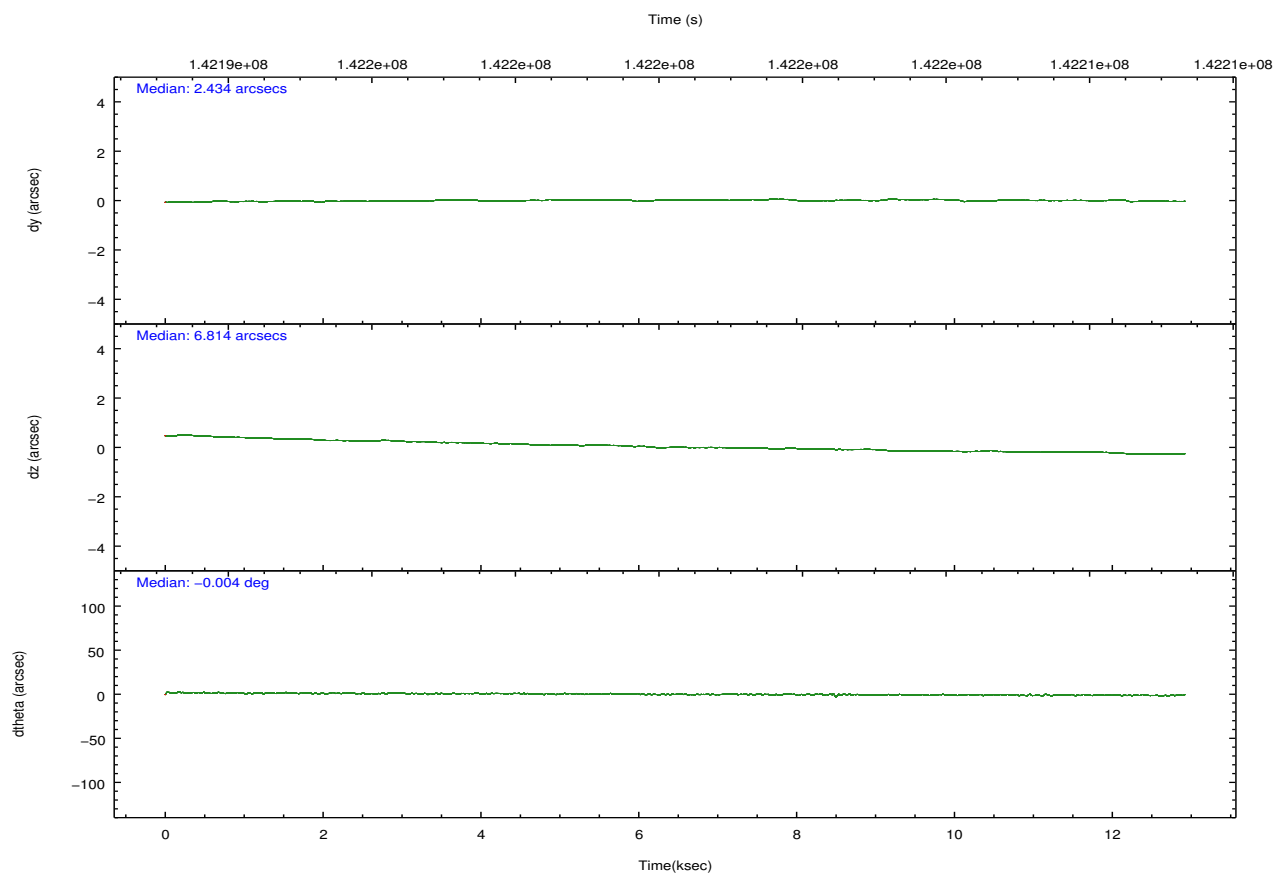
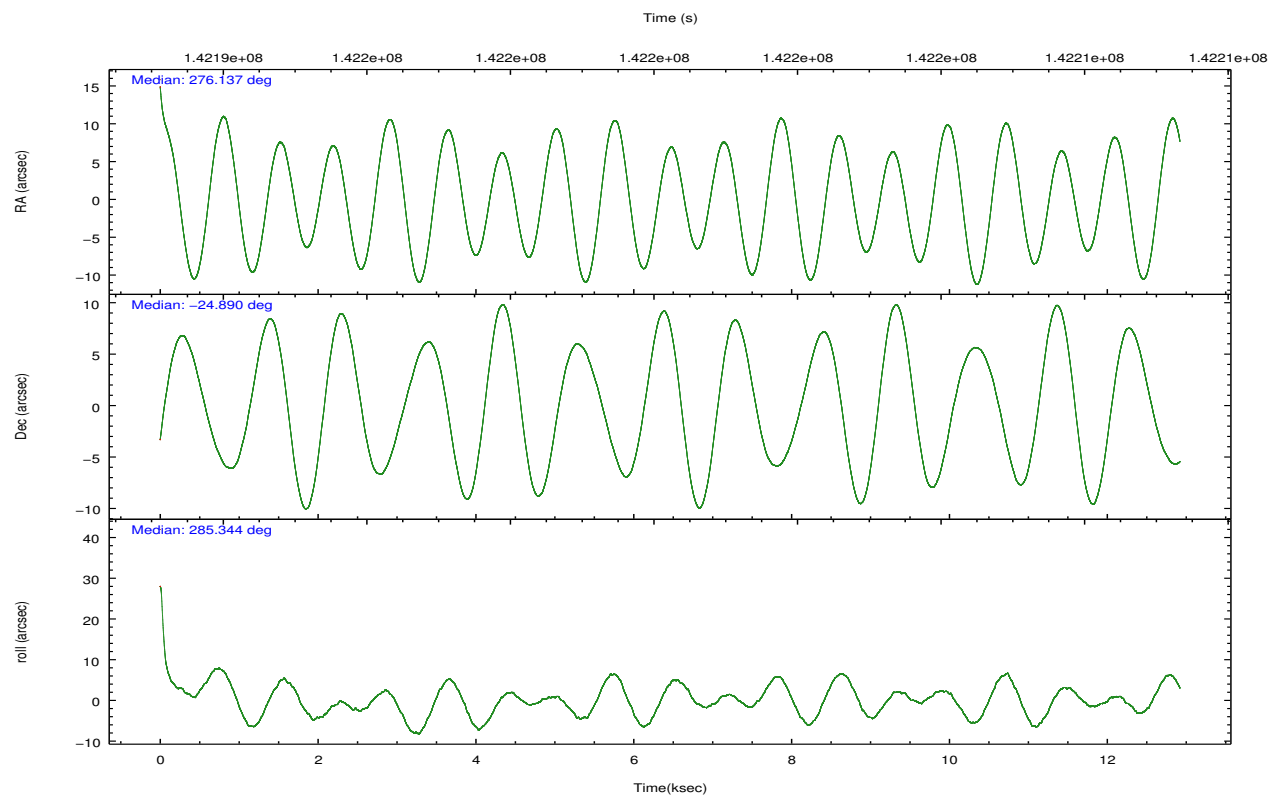
	ccd 6	ccd 7	ccd 8
grade 0 events	5615	5795	10049
	6%	4%	8%
grade 1 events	43	108	82
	0%	0%	0%
grade 2 events	2342	10661	5728
	2%	9%	4%
grade 3 events	1010	4857	3471
	1%	4%	2%
grade 4 events	1052	4854	3254
	1%	4%	2%
grade 5 events	3843	10933	4890
	4%	9%	4%
grade 6 events	2138	25854	6884
	2%	21%	5%
grade 7 events	72316	55025	81966
	81%	46%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	276.115900	276.1375653906639	Subarray requested	NONE	NONE
[deg] Pointing Dec	-24.871170	-24.89004881883796	Alternating exposures requested	N	N
[deg] Pointing Roll	285.188351	285.3541149355079	[s] Primary exposure time	0.000000	3.1
[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)	142193981.184000	142193003.57226			
Observation start date	2002-07-04T18:18:37	2002-07-04T18:03:23			
[s] Observation end time (MET)	142206681.184000	142207474.52286			
Observation end date	2002-07-04T21:50:17	2002-07-04T22:04:34			
Read mode	TIMED	TIMED			

2.3 Aspect



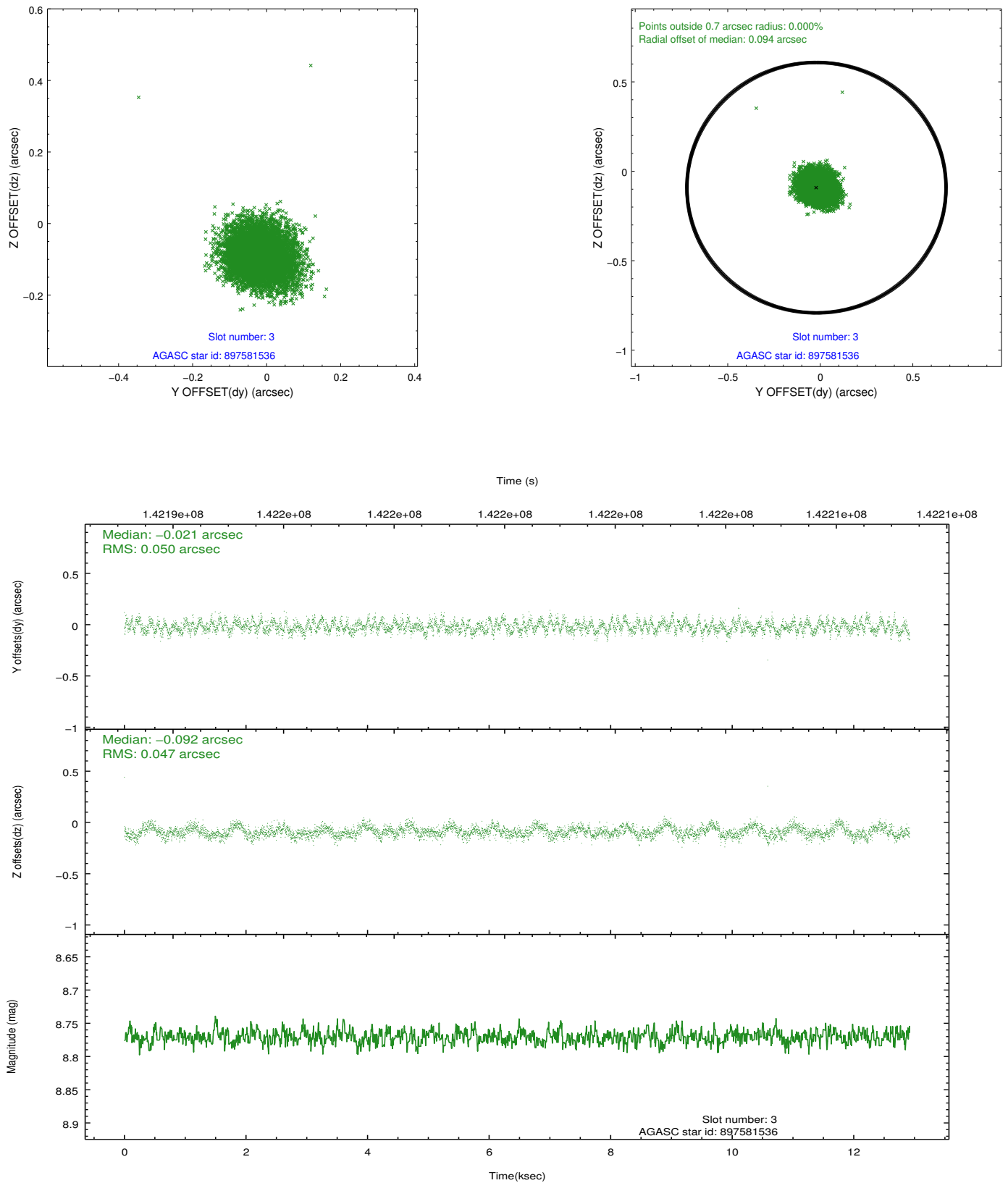


Slot Statistics

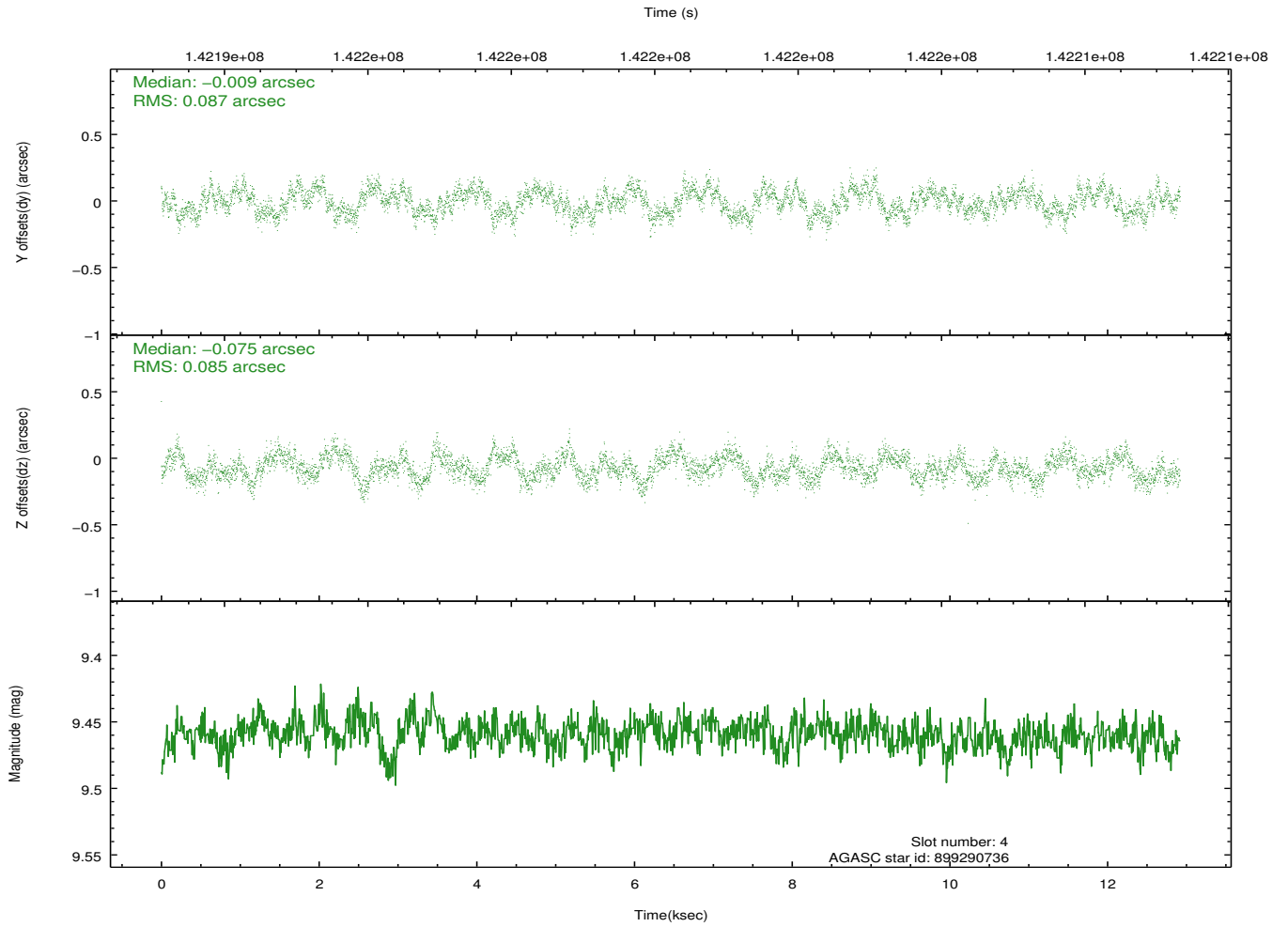
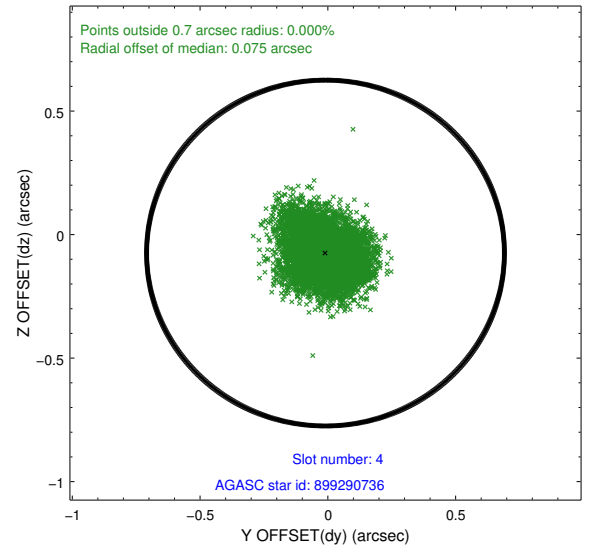
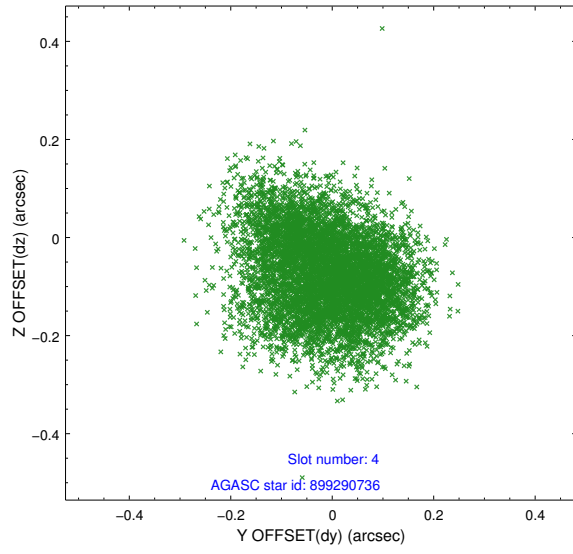
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	3151	-0.022	0.011	0.008	0.014	0.000000	0.000000	-755.07	-1728.02
1	FID	ACIS-S-4	7.20	3151	-0.037	0.008	0.007	0.013	0.000000	0.000000	2158.01	180.09
2	FID	ACIS-S-5	7.24	3151	0.028	-0.010	0.008	0.012	0.000000	0.000000	-1807.39	174.15
3	GUIDE	897581536	8.77	6301	-0.021	-0.092	0.072	0.115	276.270189	-24.414428	-1454.23	918.97
4	GUIDE	899290736	9.46	6293	-0.009	-0.075	0.130	0.204	276.662845	-24.841241	367.21	1752.29
5	GUIDE	897607632	9.00	6299	-0.005	0.072	0.078	0.122	275.528210	-25.239953	784.36	-2194.88
6	GUIDE	897076488	9.45	6300	0.024	0.089	0.087	0.143	275.884089	-24.287832	-2225.11	-184.29
7	GUIDE	897604816	9.64	6296	0.008	0.002	0.099	0.160	276.024863	-24.968377	259.70	-377.94

2.4 Star Slots

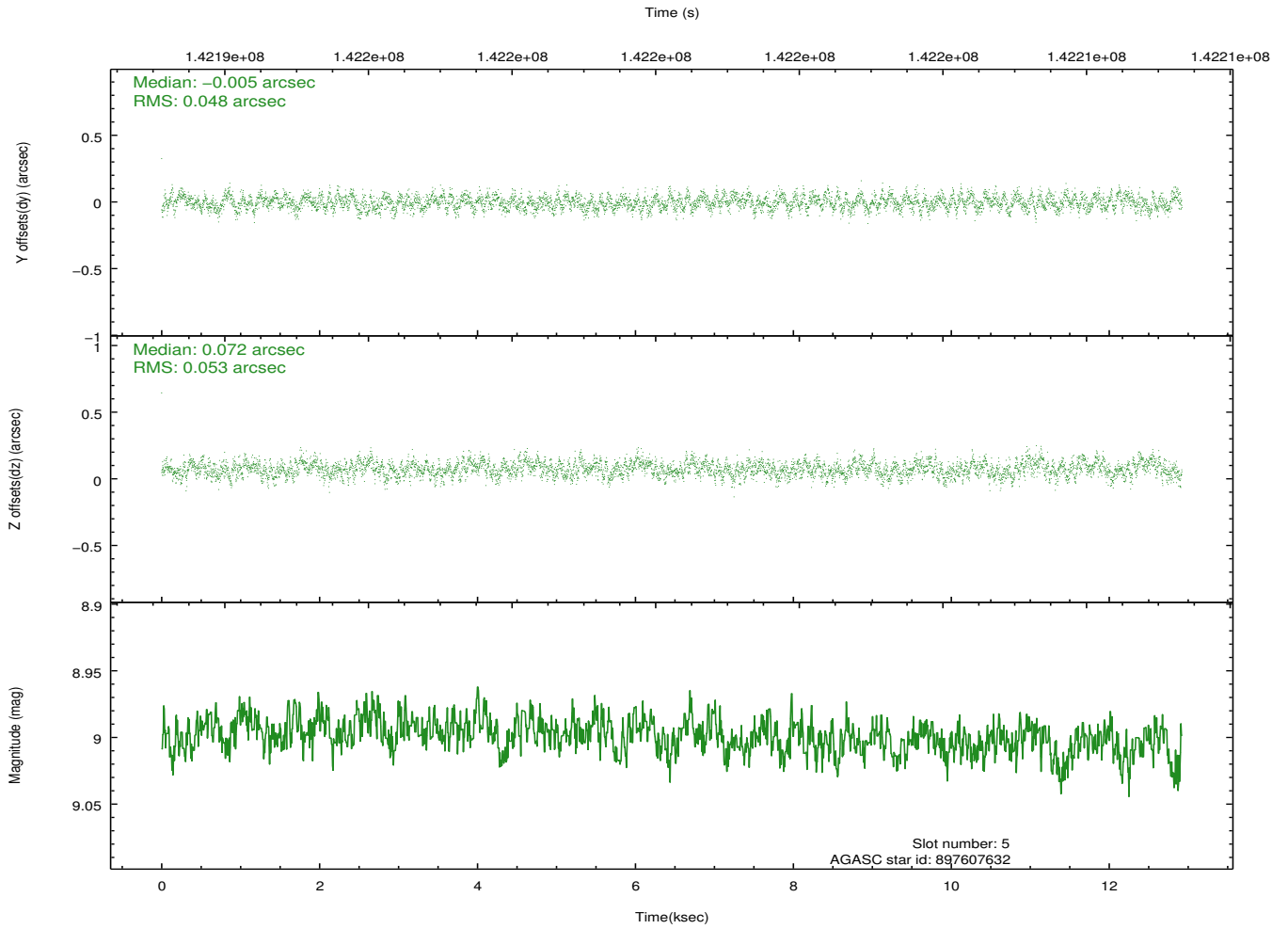
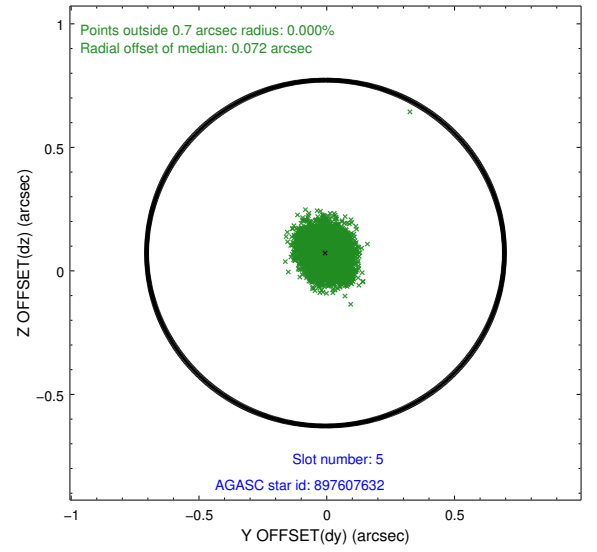
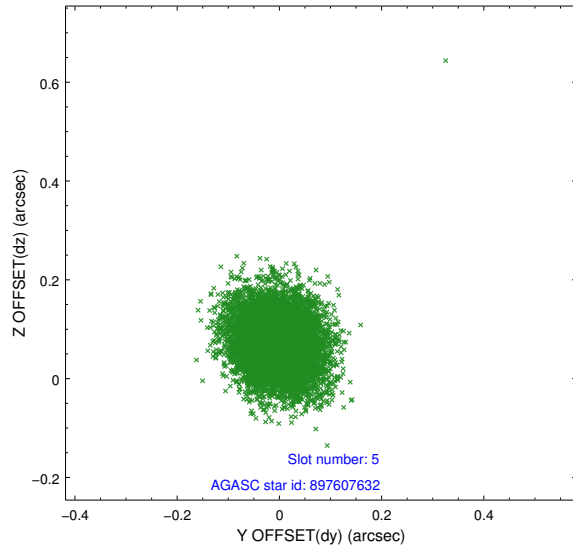
2.4.1 Slot 3



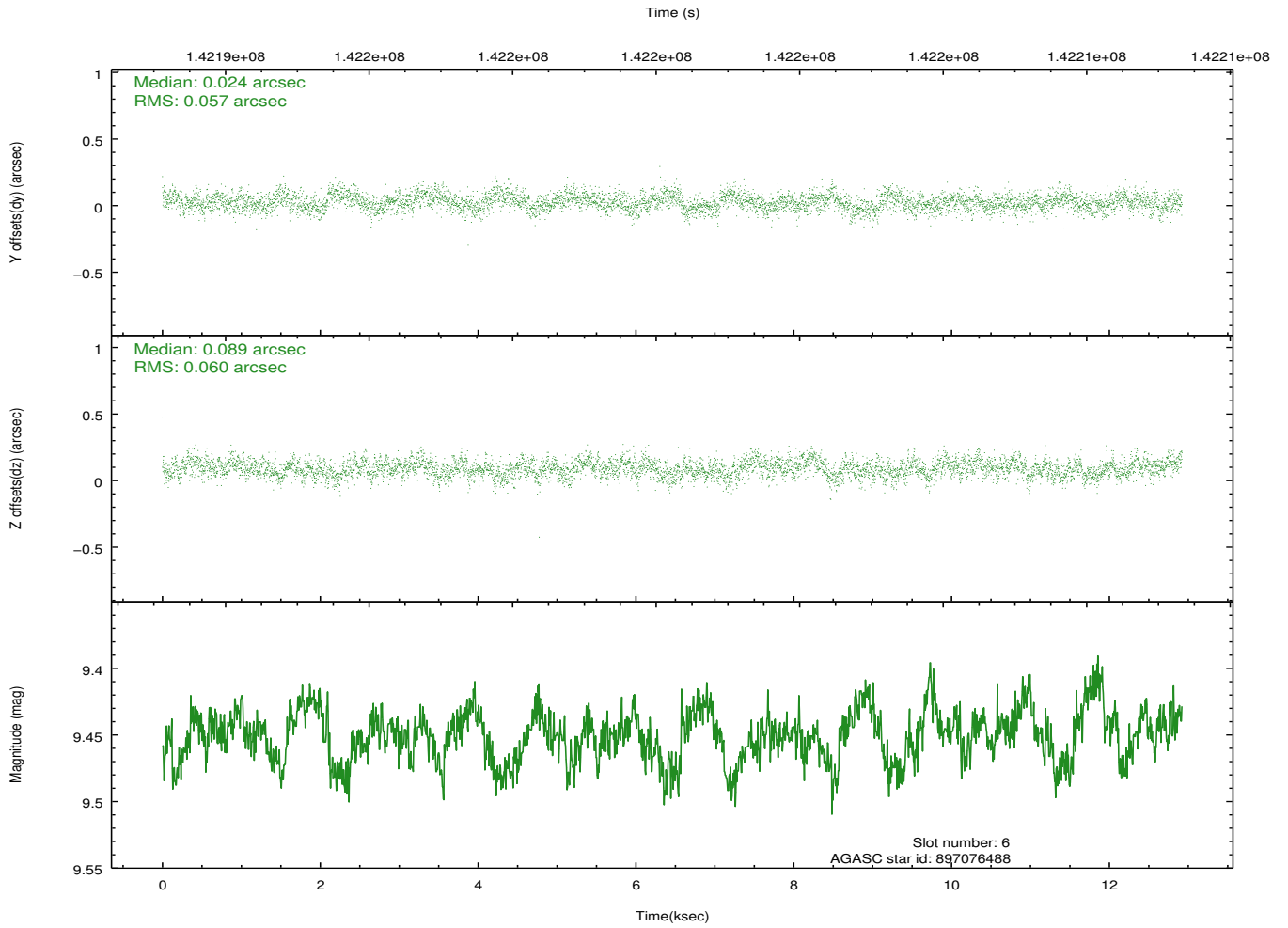
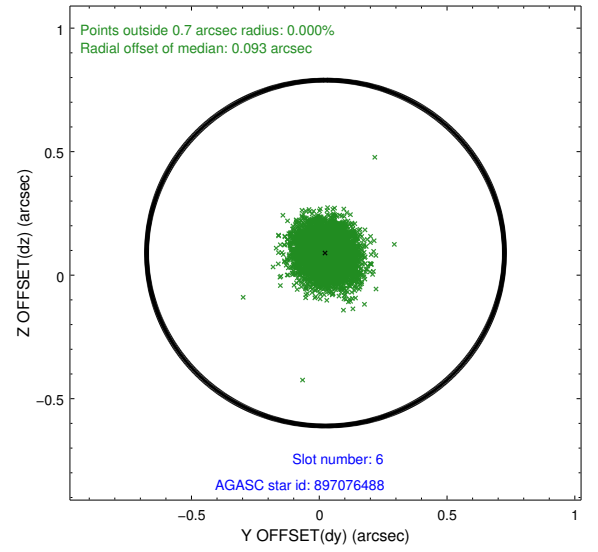
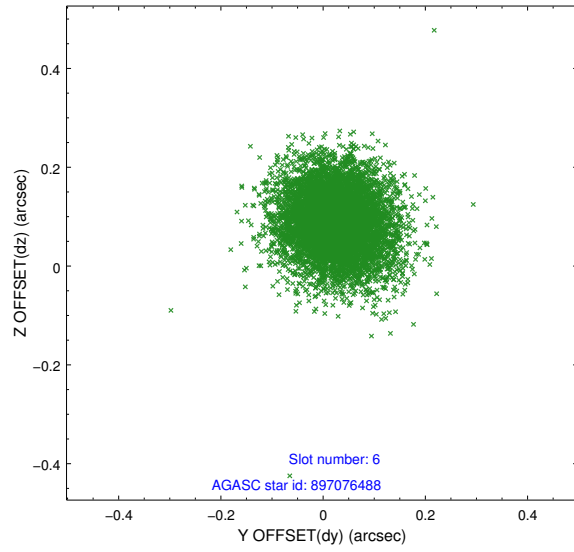
2.4.2 Slot 4



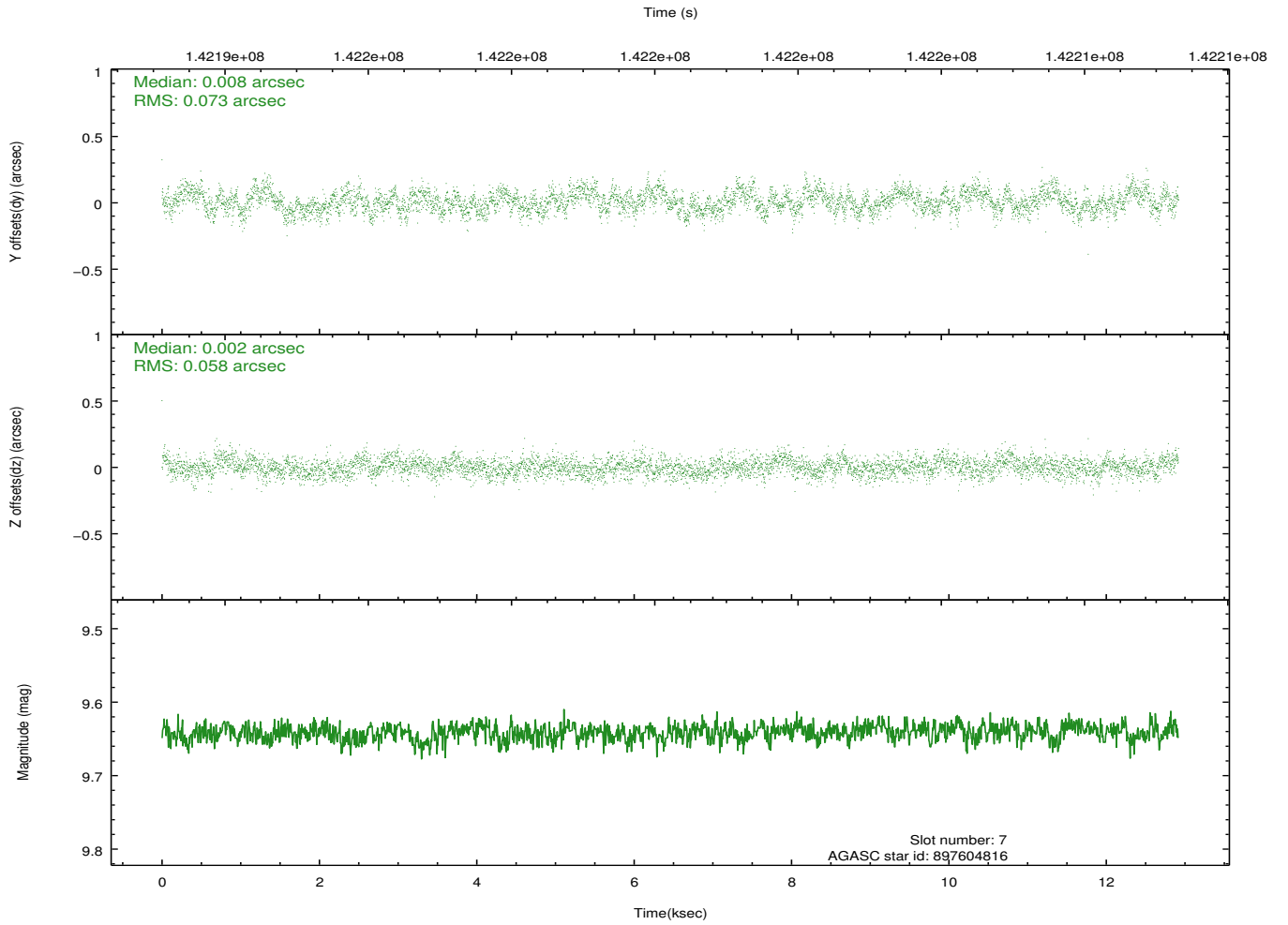
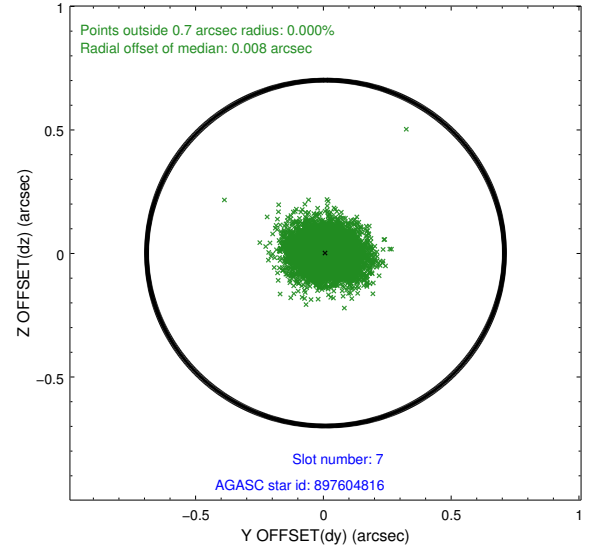
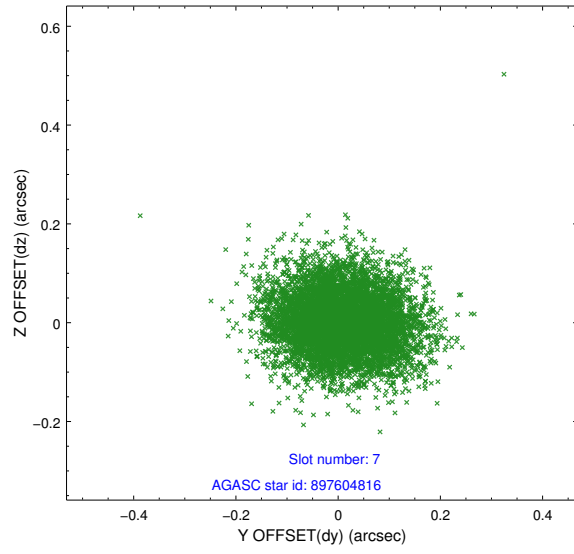
2.4.3 Slot 5



2.4.4 Slot 6

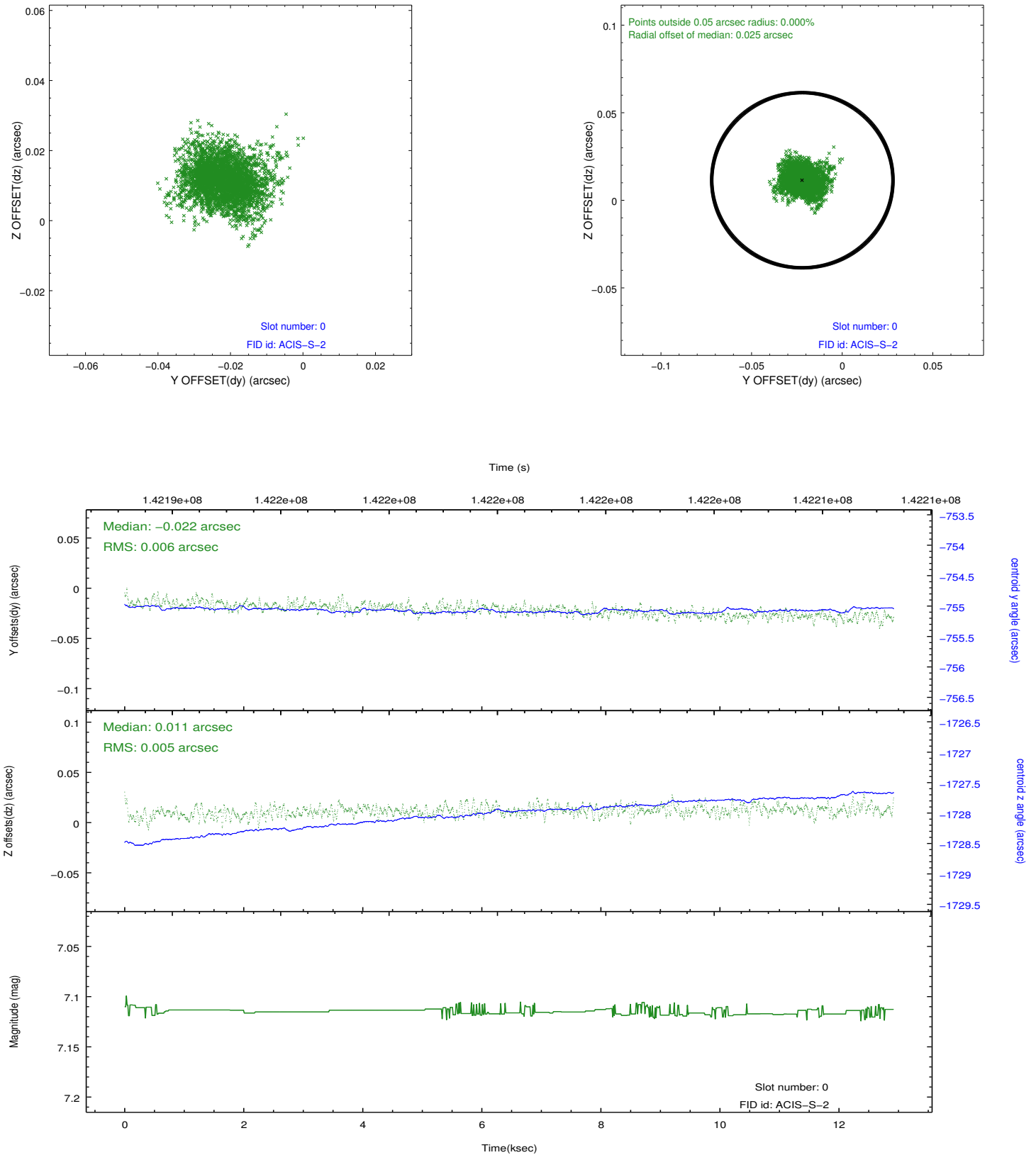


2.4.5 Slot 7

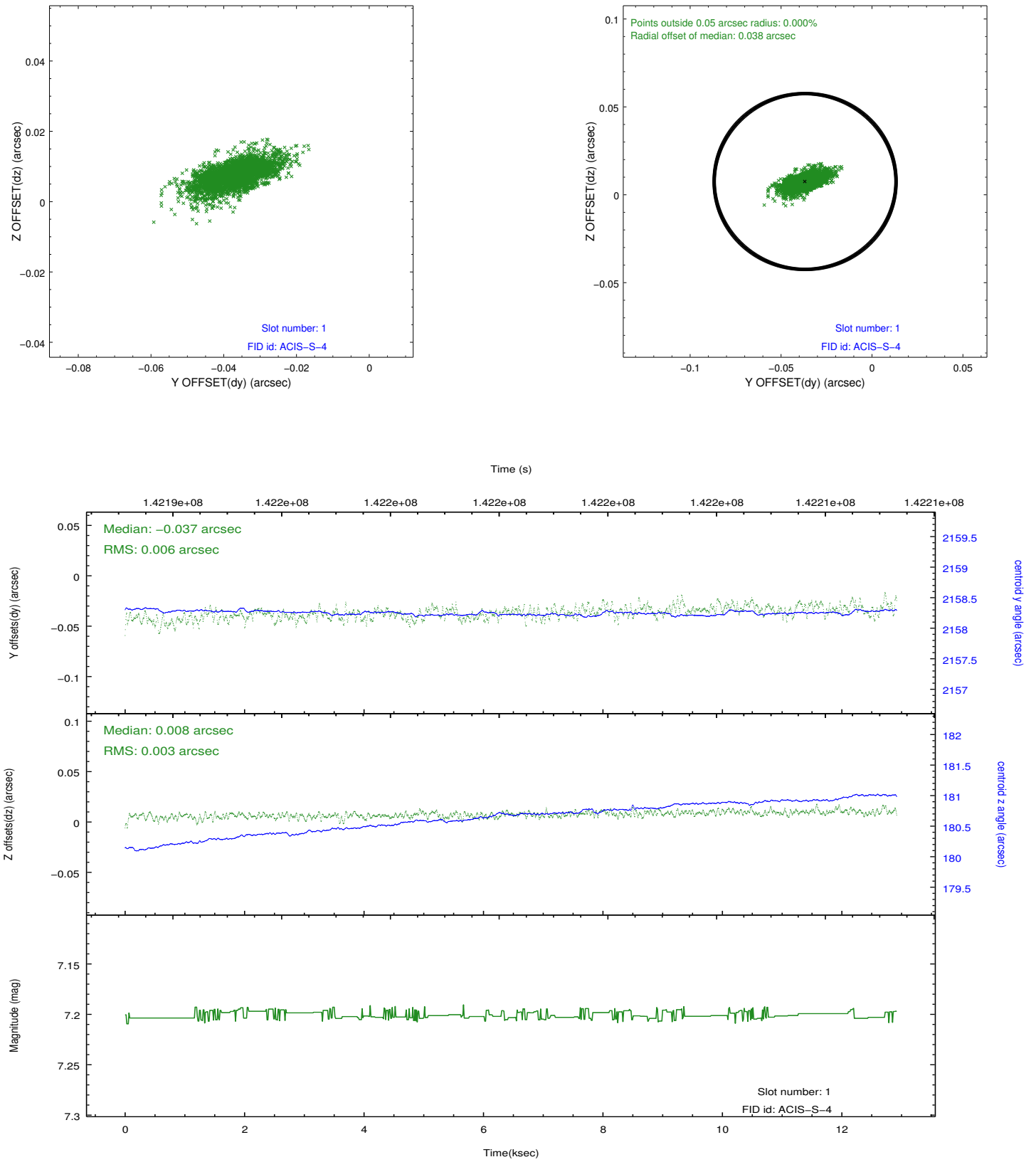


2.5 FID Slots

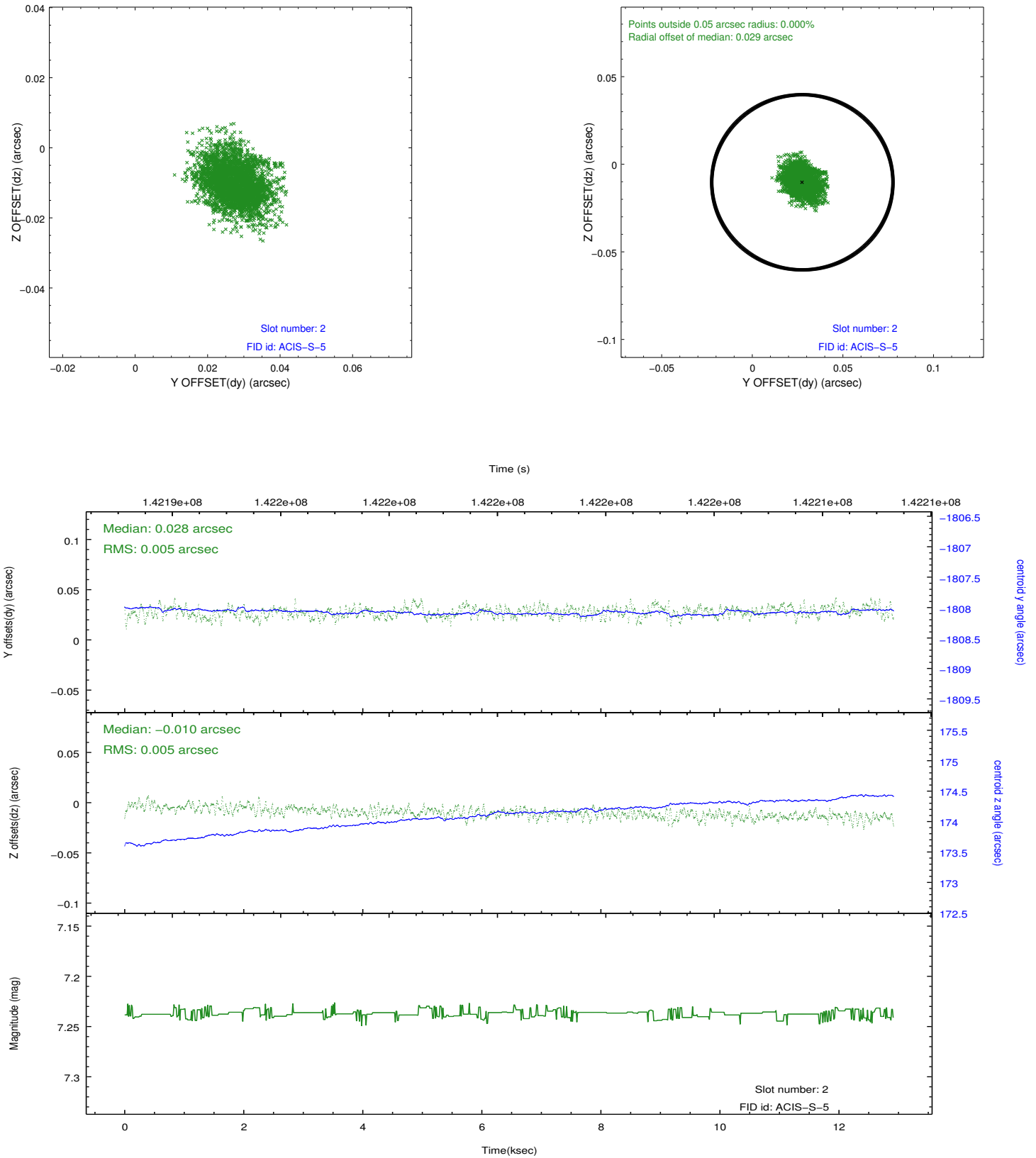
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.914

A.2 Comments