

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5678 - L2 Version 3
Chandra X-Ray Center

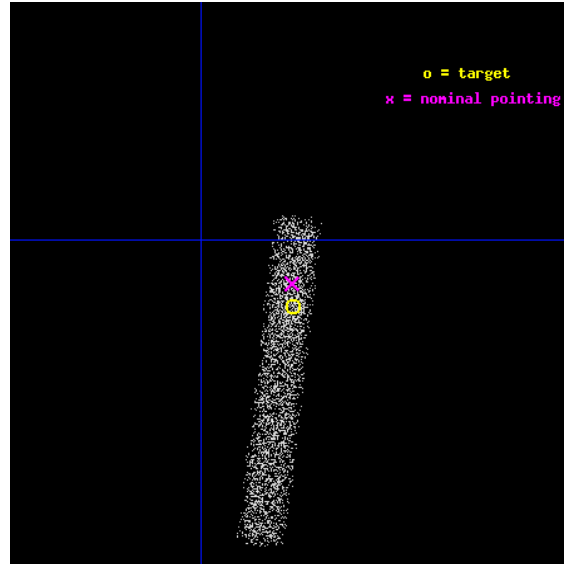
L2 Processing Date : Dec 12 2012

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

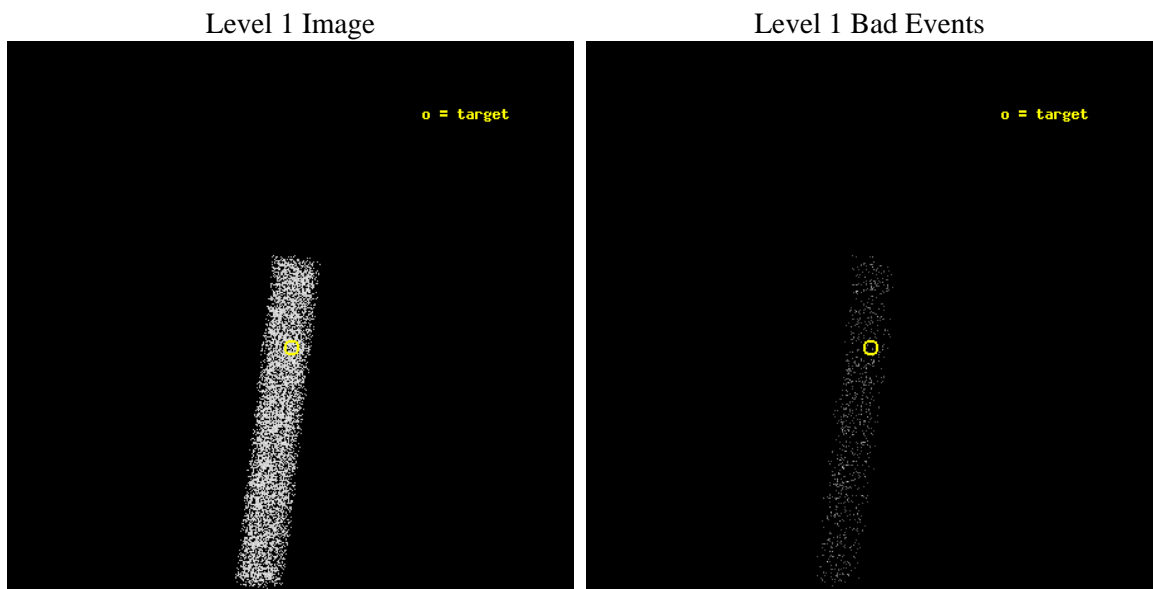
seq_num	701101	Sequence number
obs_id	5678	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RXJ0834.8+3928	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.698333	Observer's specified target RA [deg]
dec_targ	39.471583	Observer's specified target Dec [deg]
ra_nom	128.69898937349	Nominal RA [deg]
dec_nom	39.481207584918	Nominal Dec [deg]
roll_nom	96.62105238755	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6184.000092119	Sum of GTIs [s]
livetime	5608.561665263	Livetime [s]
ontime7	6184.000092119	Sum of GTIs [s]
l2events	4000	Number of level 2 events



2 OBI

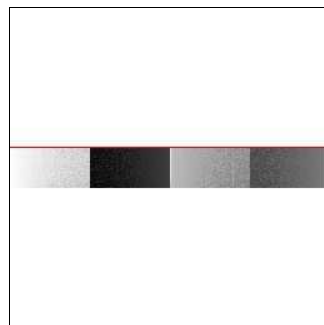
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	6184.000092119	Sum of GTIs [s]
caldsver	4.5.4	 	ontime7	6184.000092119	Sum of GTIs [s]
date	2012-12-12T13:13:33	Date and time of file creation	l1events	9448	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

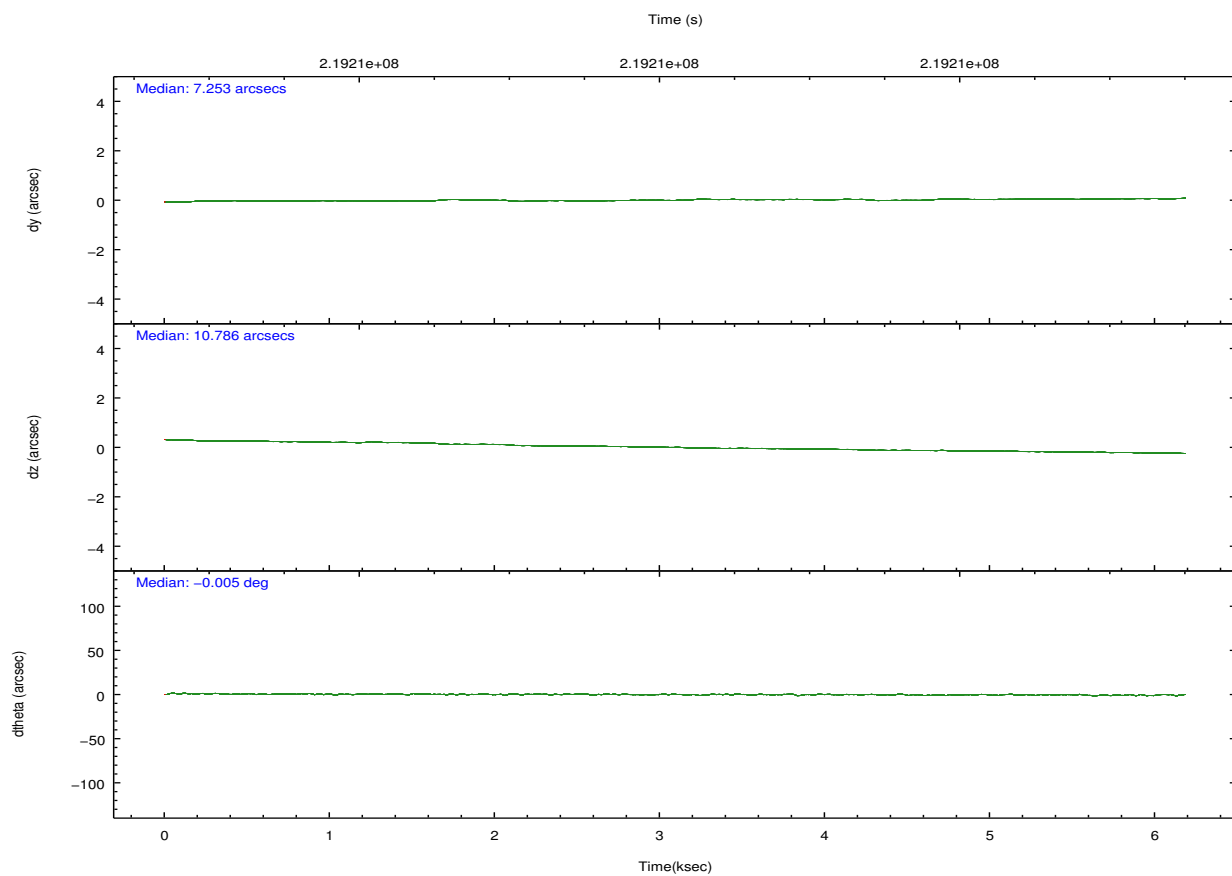
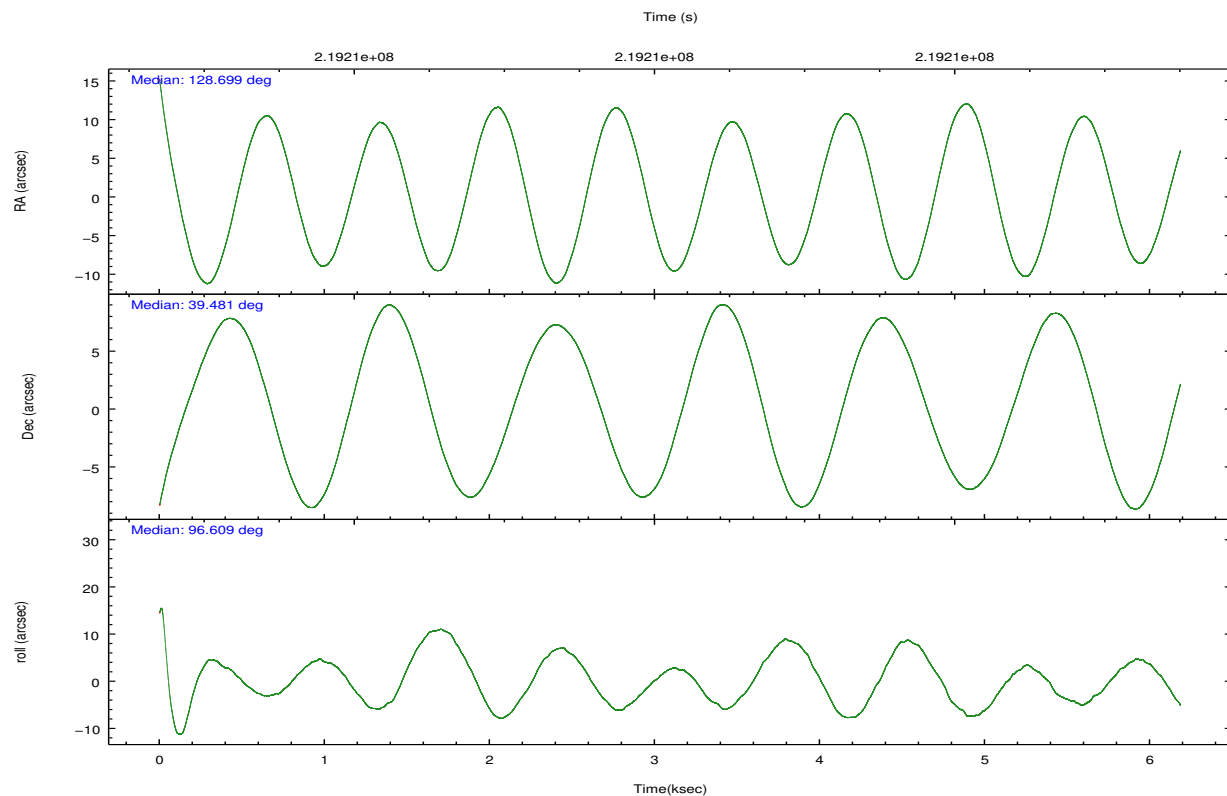
	ccd 7
level 1 events	9448
rejected events	5296
rejected %	56%

	ccd 7
grade 0 events	506
	5%
grade 1 events	13
	0%
grade 2 events	830
	8%
grade 3 events	582
	6%
grade 4 events	563
	5%
grade 5 events	833
	8%
grade 6 events	2039
	21%
grade 7 events	4082
	43%

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	128.720520	128.6989893734906	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	39.459606	39.48120758491785	Subarray start row	449	449
[deg] Pointing Roll	96.450654	96.62105238754992	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	219209196.184000	219208304.27219			
Observation start date	2004-12-12T03:25:32	2004-12-12T03:11:44			
[s] Observation end time (MET)	219215196.184000	219215836.48503			
Observation end date	2004-12-12T05:05:32	2004-12-12T05:17:16			
Read mode	TIMED	TIMED			

2.3 Aspect

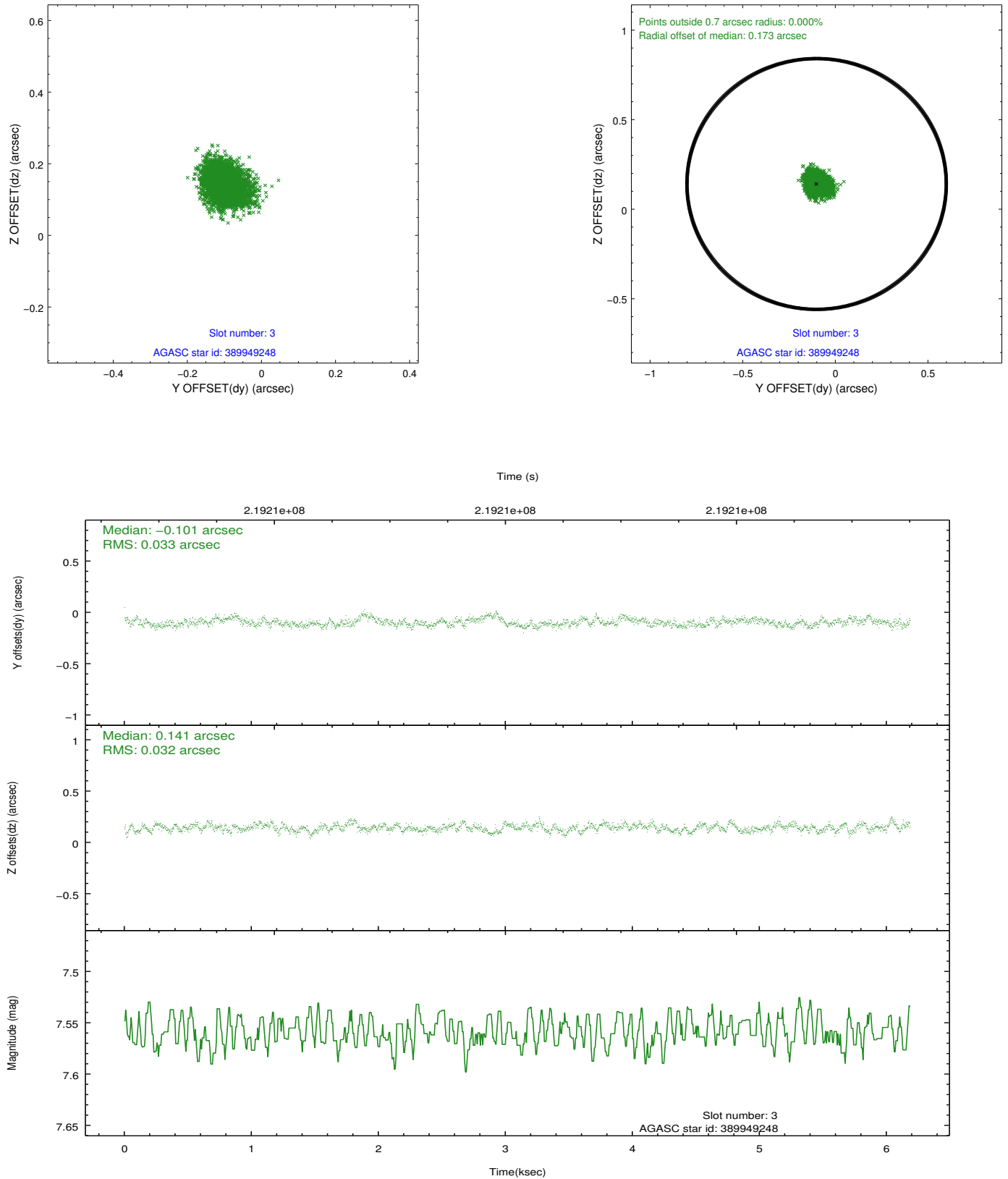


Slot Statistics

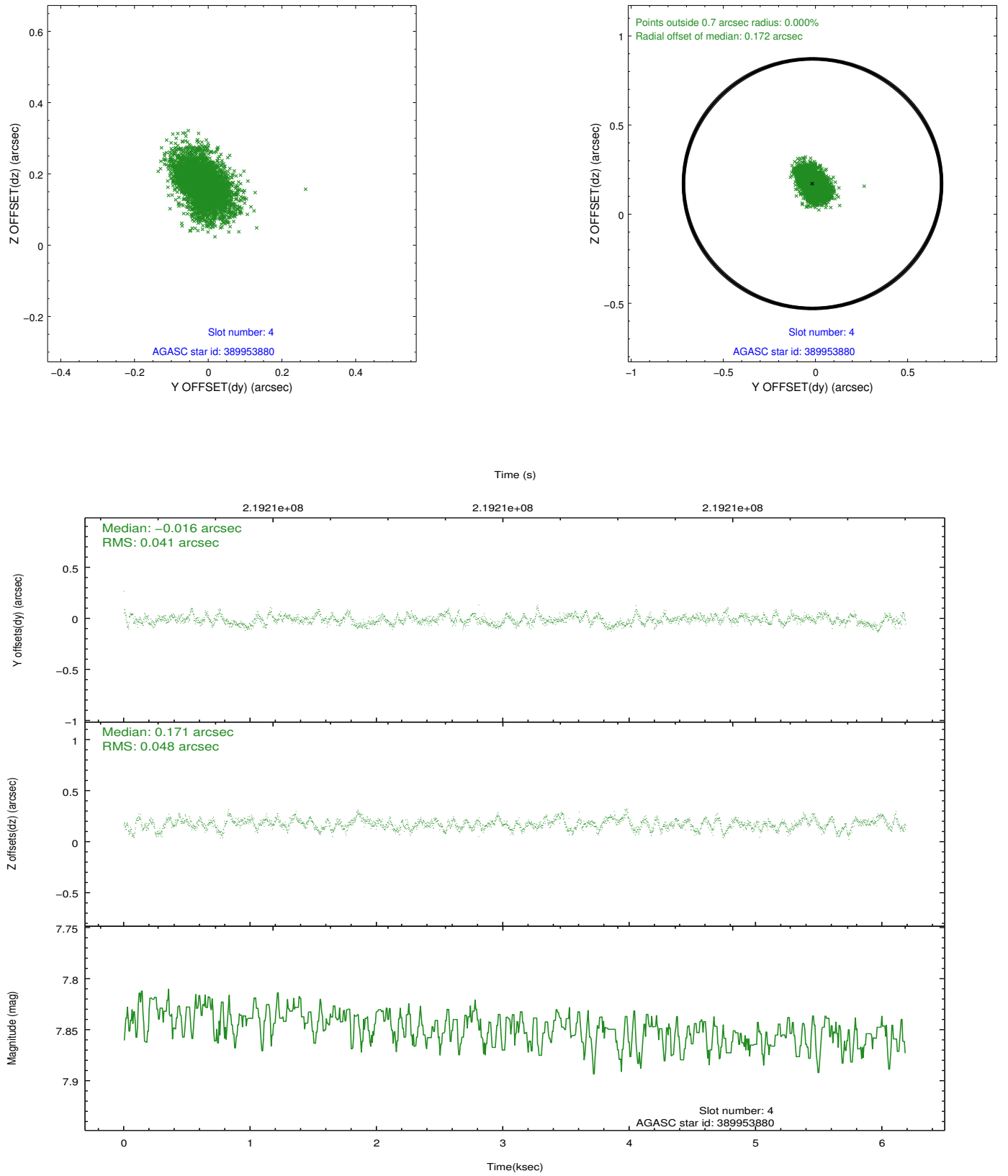
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1509	-0.045	-0.014	0.007	0.011	0.000000	0.000000	-760.02	-1732.05
1	FID	ACIS-S-4	7.21	1509	0.085	0.026	0.006	0.011	0.000000	0.000000	2152.91	175.55
2	FID	ACIS-S-5	7.23	1509	-0.071	-0.003	0.007	0.011	0.000000	0.000000	-1811.71	170.19
3	GUIDE	389949248	7.56	3018	-0.101	0.141	0.049	0.080	129.168961	39.770488	976.18	-1359.04
4	GUIDE	389953880	7.85	3016	-0.016	0.171	0.067	0.111	129.484084	39.644812	434.64	-2179.63
5	GUIDE	389954920	9.45	3018	-0.068	0.204	0.096	0.163	129.395627	39.795125	998.14	-1992.65
6	GUIDE	389955104	9.34	3014	0.056	-0.083	0.085	0.137	128.379060	39.904445	1699.27	756.16
7	GUIDE	389950960	8.46	3017	0.121	-0.430	0.077	0.122	127.902919	39.142160	-868.58	2395.04

2.4 Star Slots

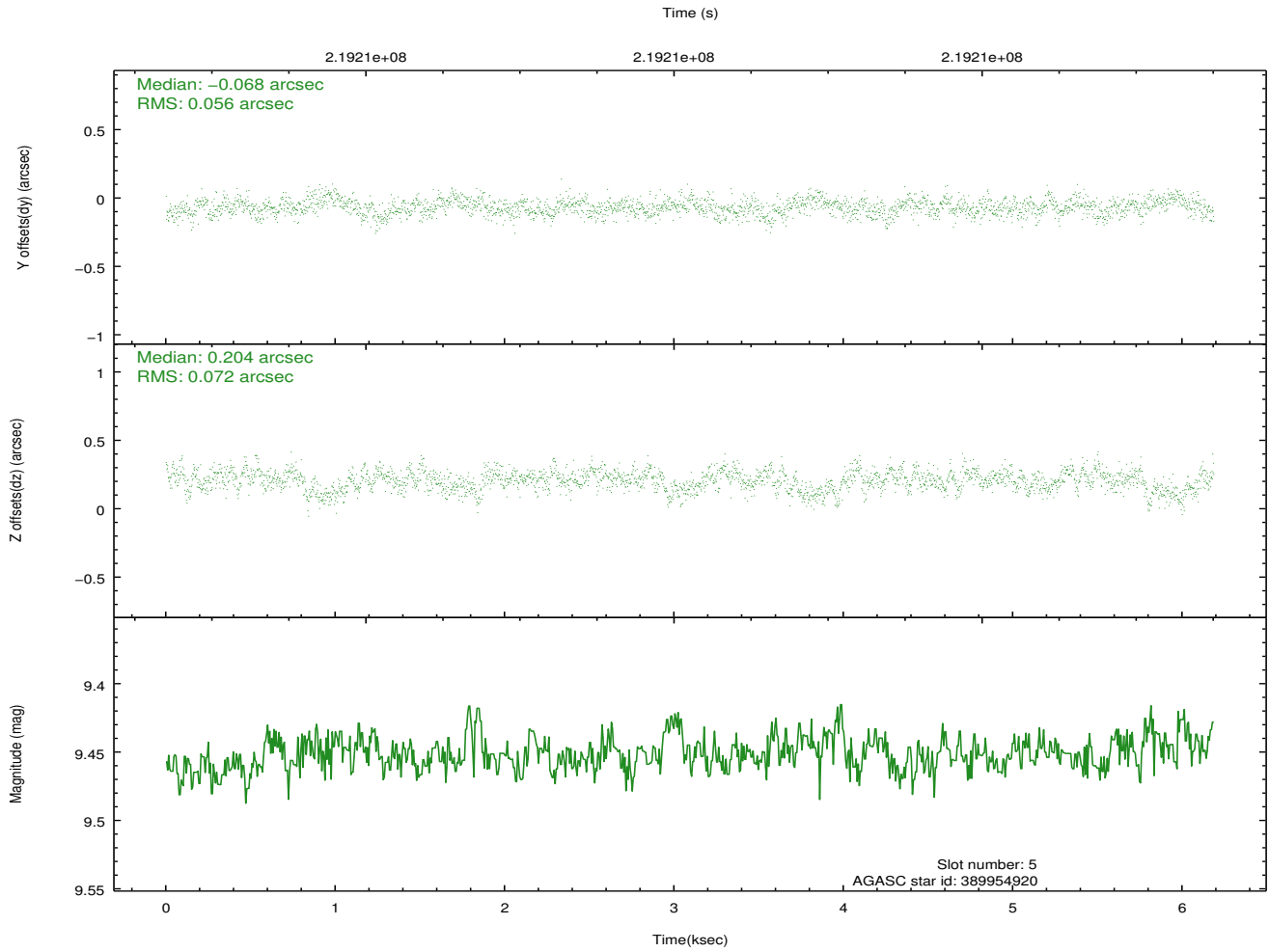
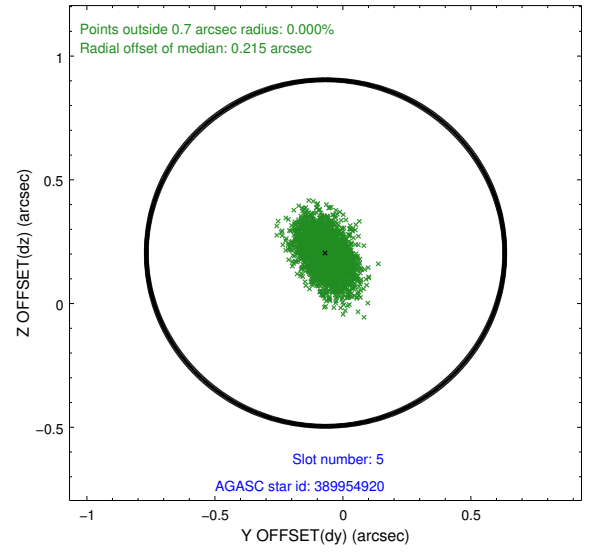
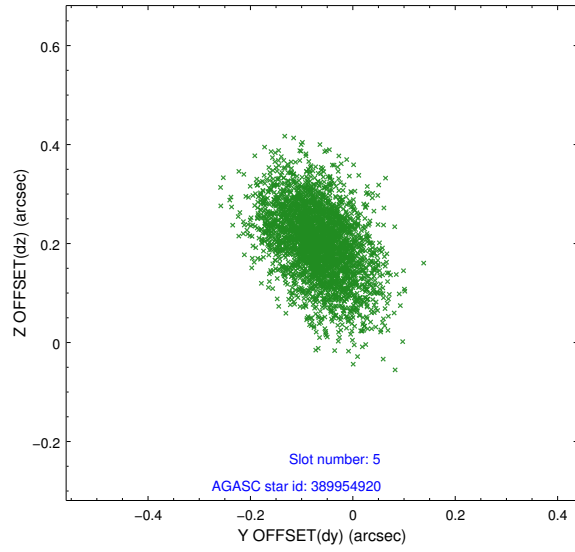
2.4.1 Slot 3



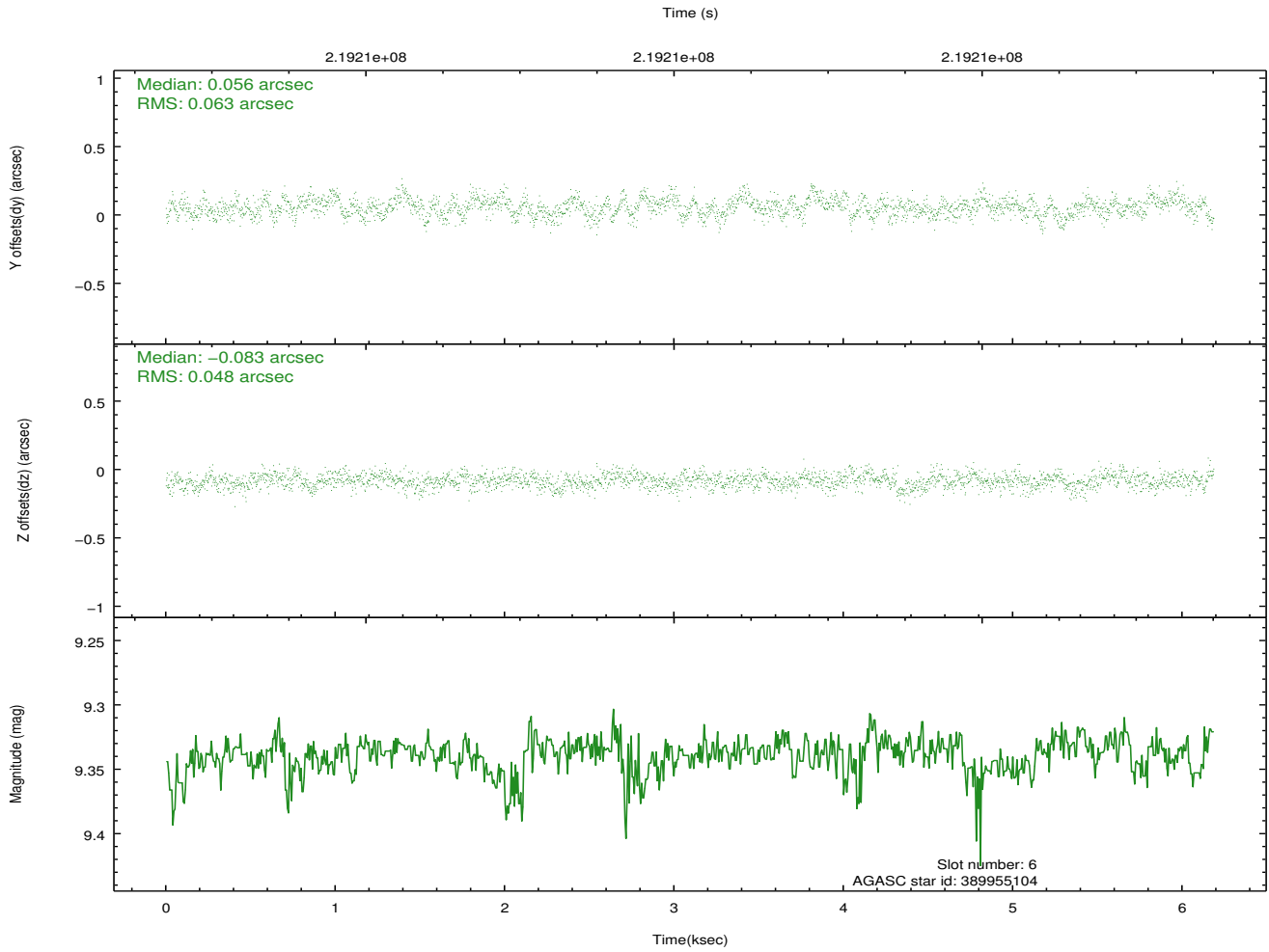
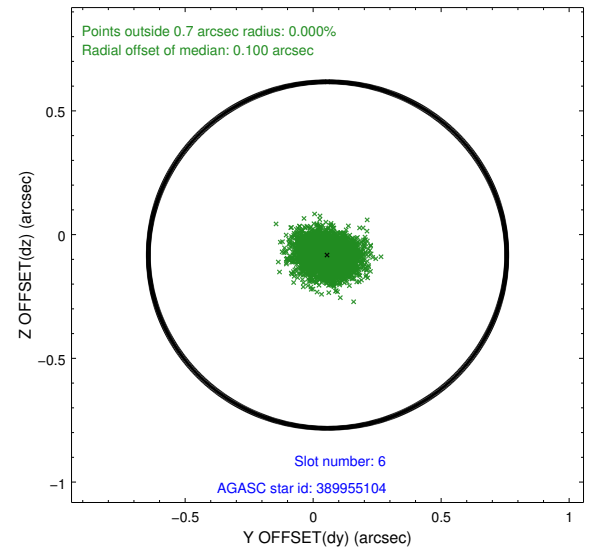
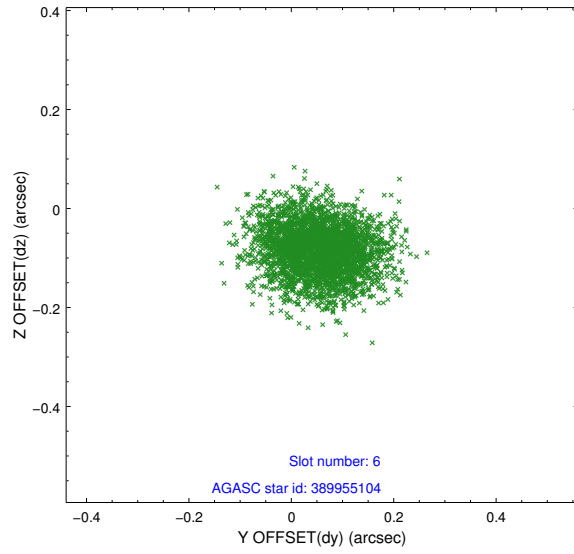
2.4.2 Slot 4



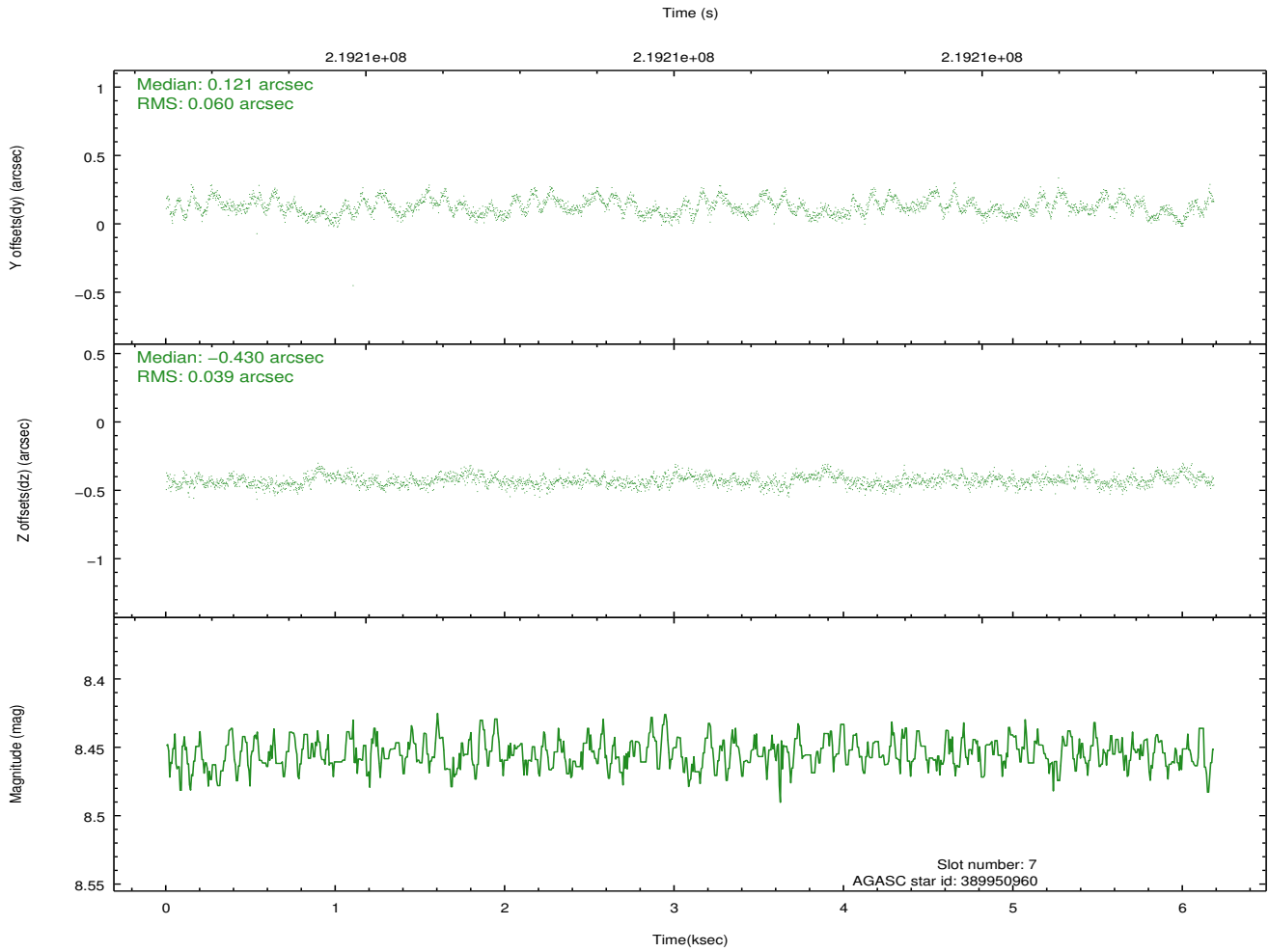
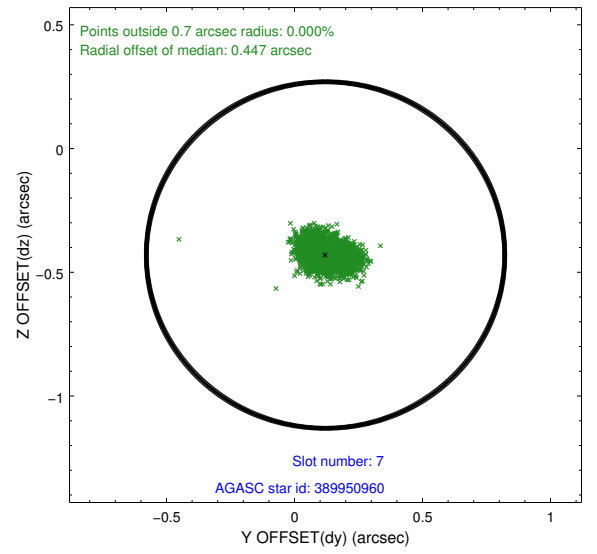
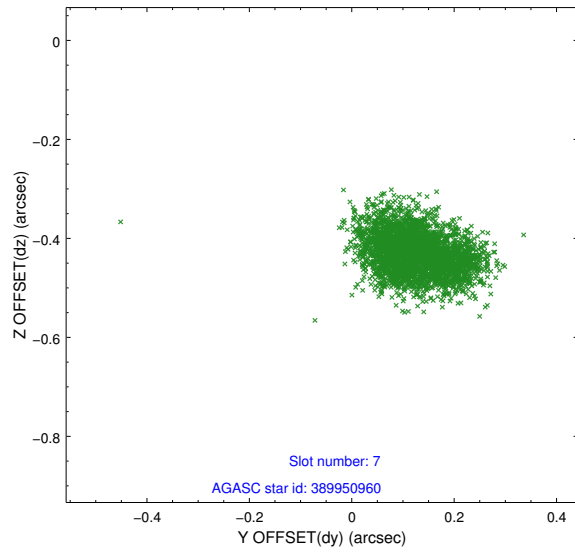
2.4.3 Slot 5



2.4.4 Slot 6

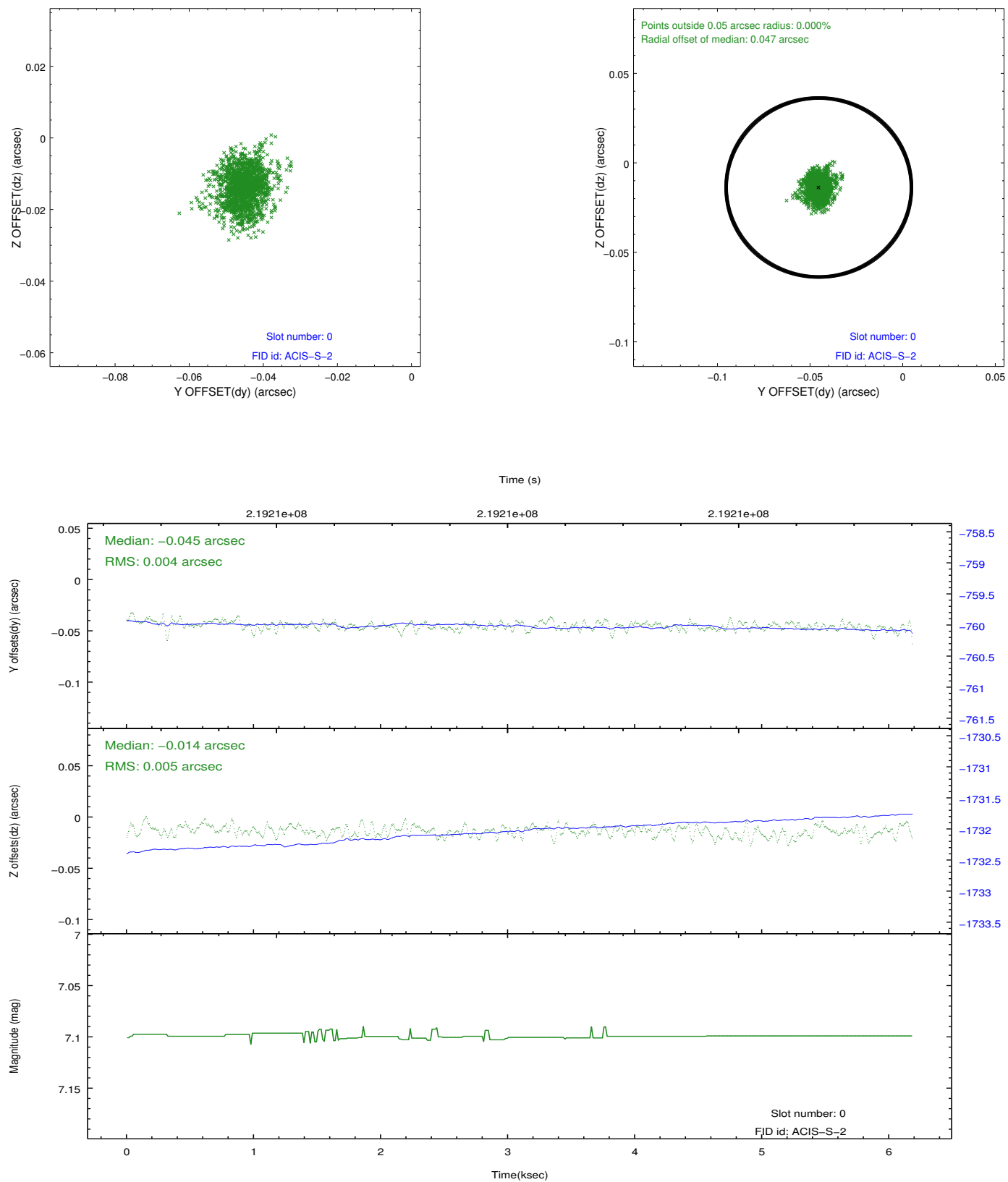


2.4.5 Slot 7

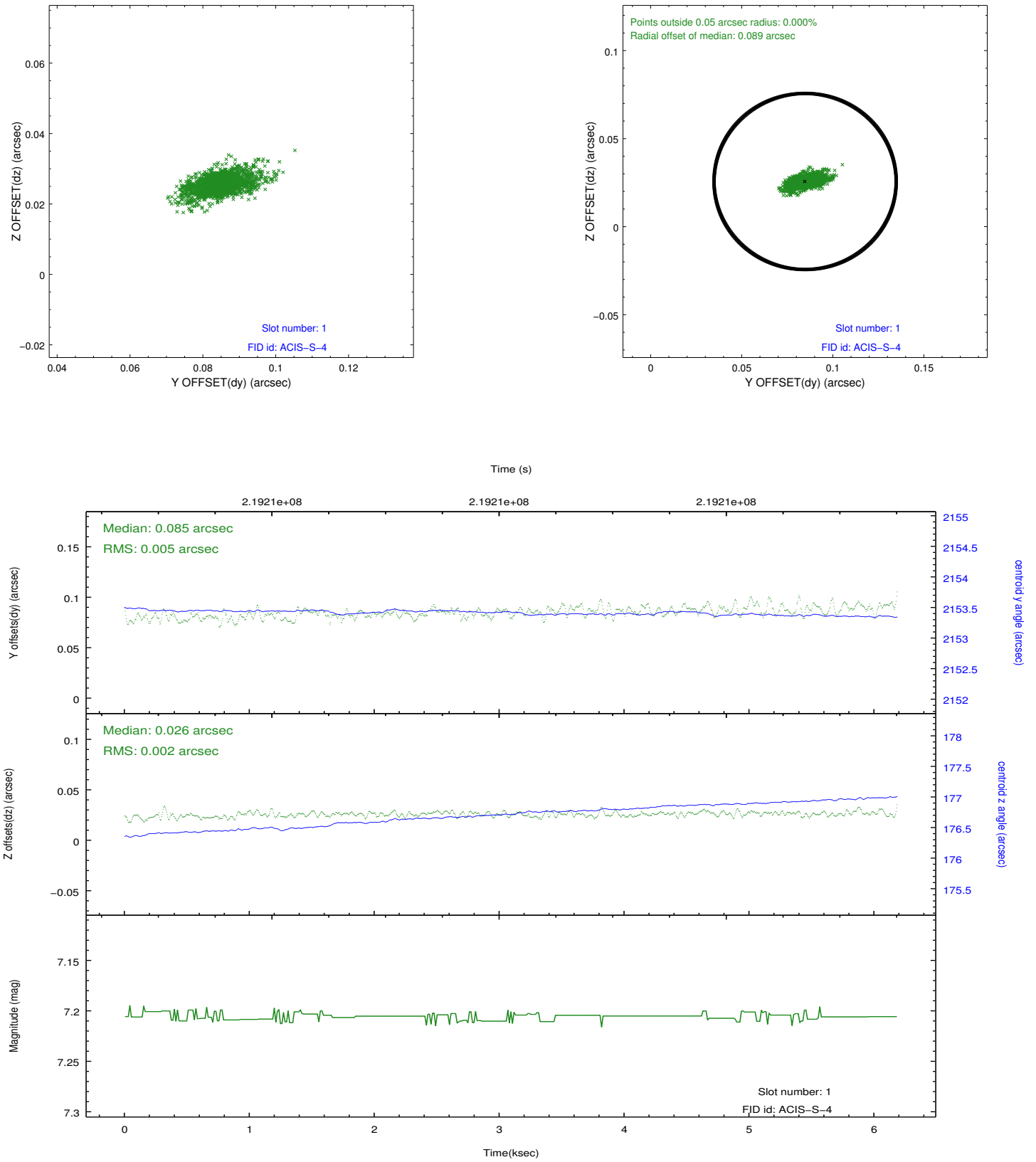


2.5 FID Slots

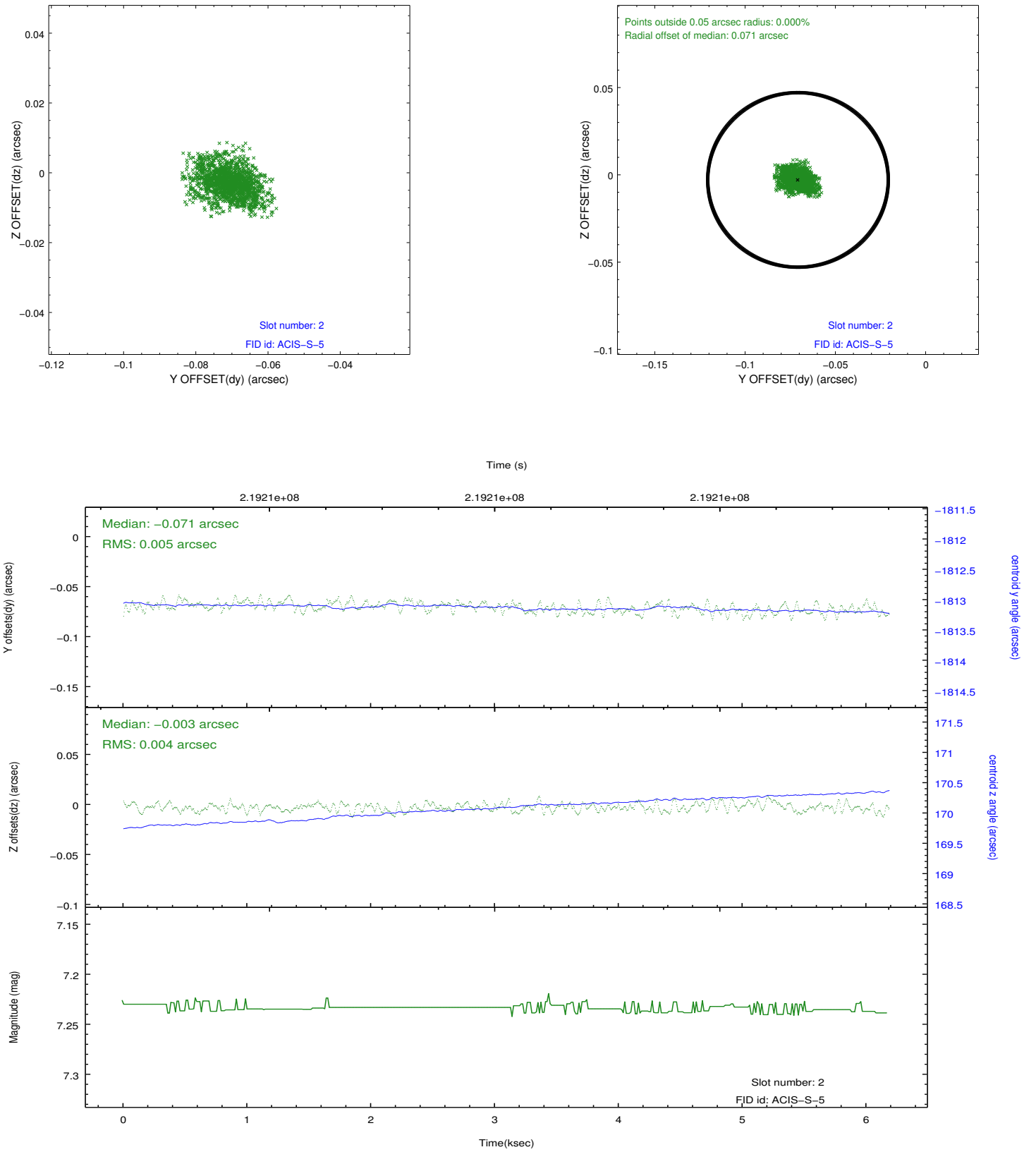
2.5.1 Slot 0



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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.184

A.2 Comments

Joint Proposal: NRAO