

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5524 - L2 Version 4
Chandra X-Ray Center

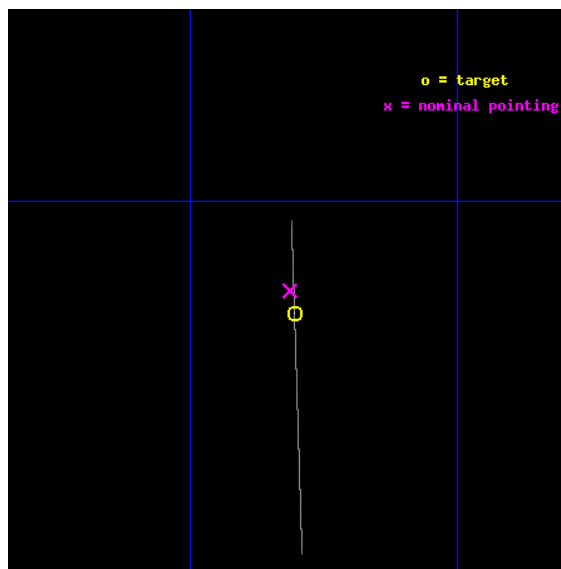
L2 Processing Date : Dec 17 2012

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1 Front

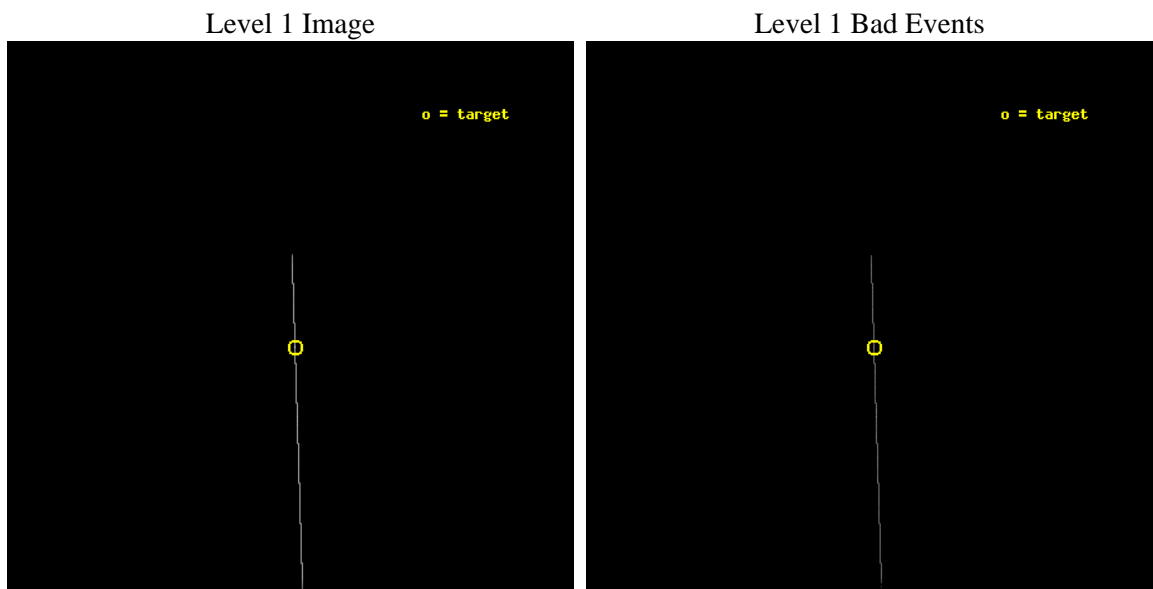
seq_num	500518	Sequence number
obs_id	5524	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.20343234341	Nominal RA [deg]
dec_nom	21.46130838305	Nominal Dec [deg]
roll_nom	88.155888474994	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5161.5	Sum of GTIs [s]
livetime	5141.337890625	Livetime [s]
ontime7	5161.5	Sum of GTIs [s]
l2events	21811	Number of level 2 events



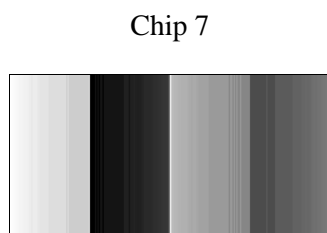
2 OBI

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	8.5.1	Processing system revision	ontime	5161.5	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5161.5	Sum of GTIs [s]
date	2012-12-17T16:50:20	Date and time of file creation	l1events	30800	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	30800
rejected events	8162
rejected %	26%

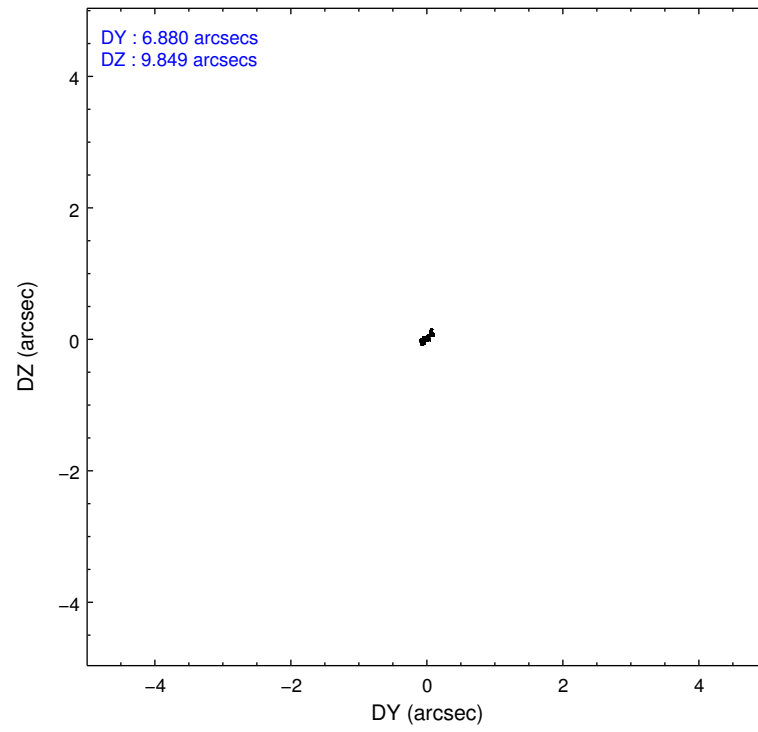
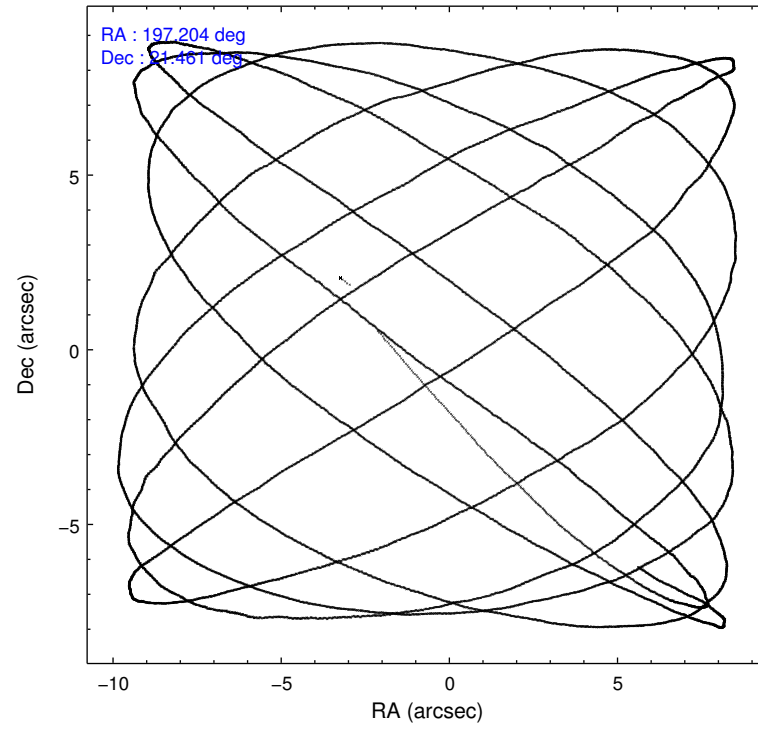
	ccd 7
grade 0 events	3708
	12%
grade 1 events	74
	0%
grade 2 events	6160
	20%
grade 3 events	1947
	6%
grade 4 events	1959
	6%
grade 5 events	4731
	15%
grade 6 events	12221
	39%
grade 7 events	0
	0%

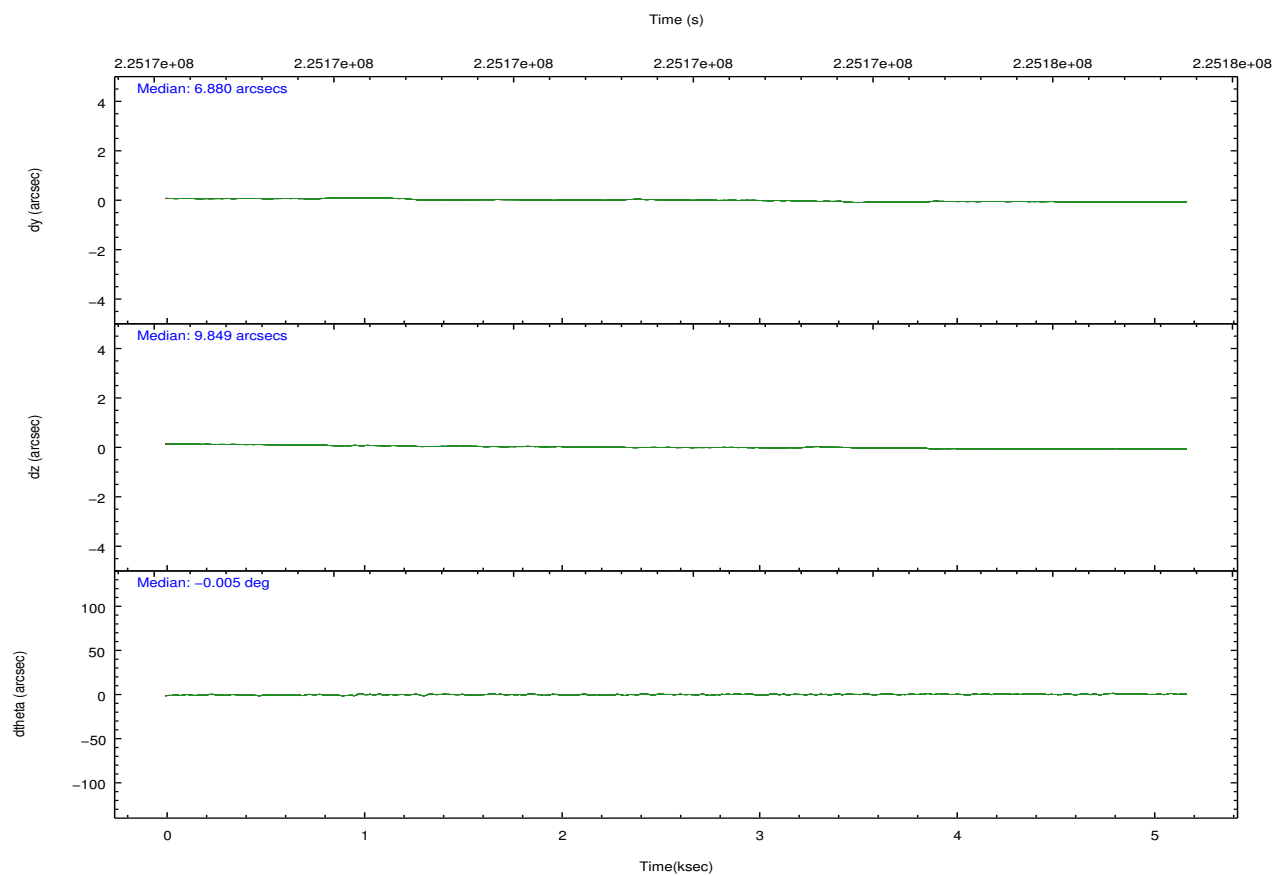
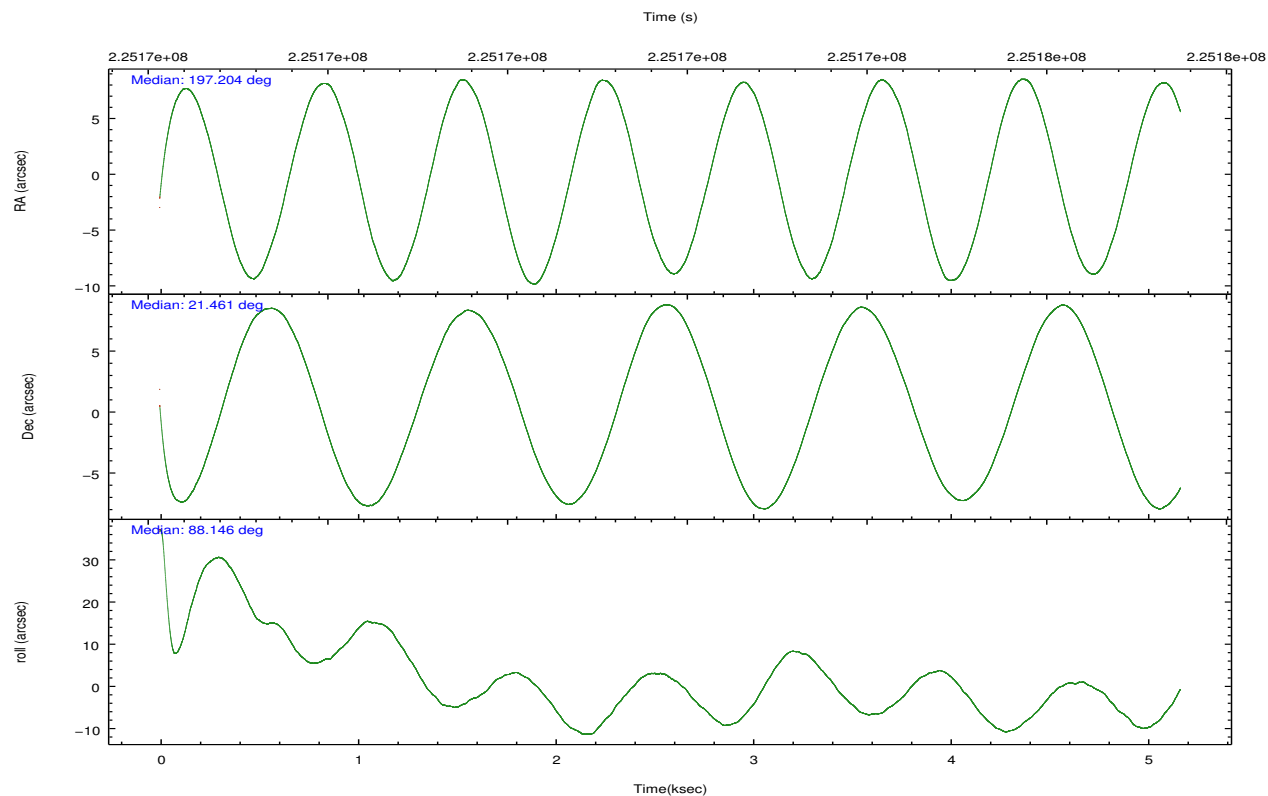
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	197.217552	197.2034323434107
[deg] Pointing Dec	21.437519	21.46130838305028
[deg] Pointing Roll	87.994044	88.15588847499421
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	225170480.184000	225169454.9537
Observation start date	2005-02-19T03:20:16	2005-02-19T03:04:14
[s] Observation end time (MET)	225175480.184000	225177032.77904
Observation end date	2005-02-19T04:43:36	2005-02-19T05:10:32
Read mode	CONTINUOUS	CONTINUOUS

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0

2.3 Aspect



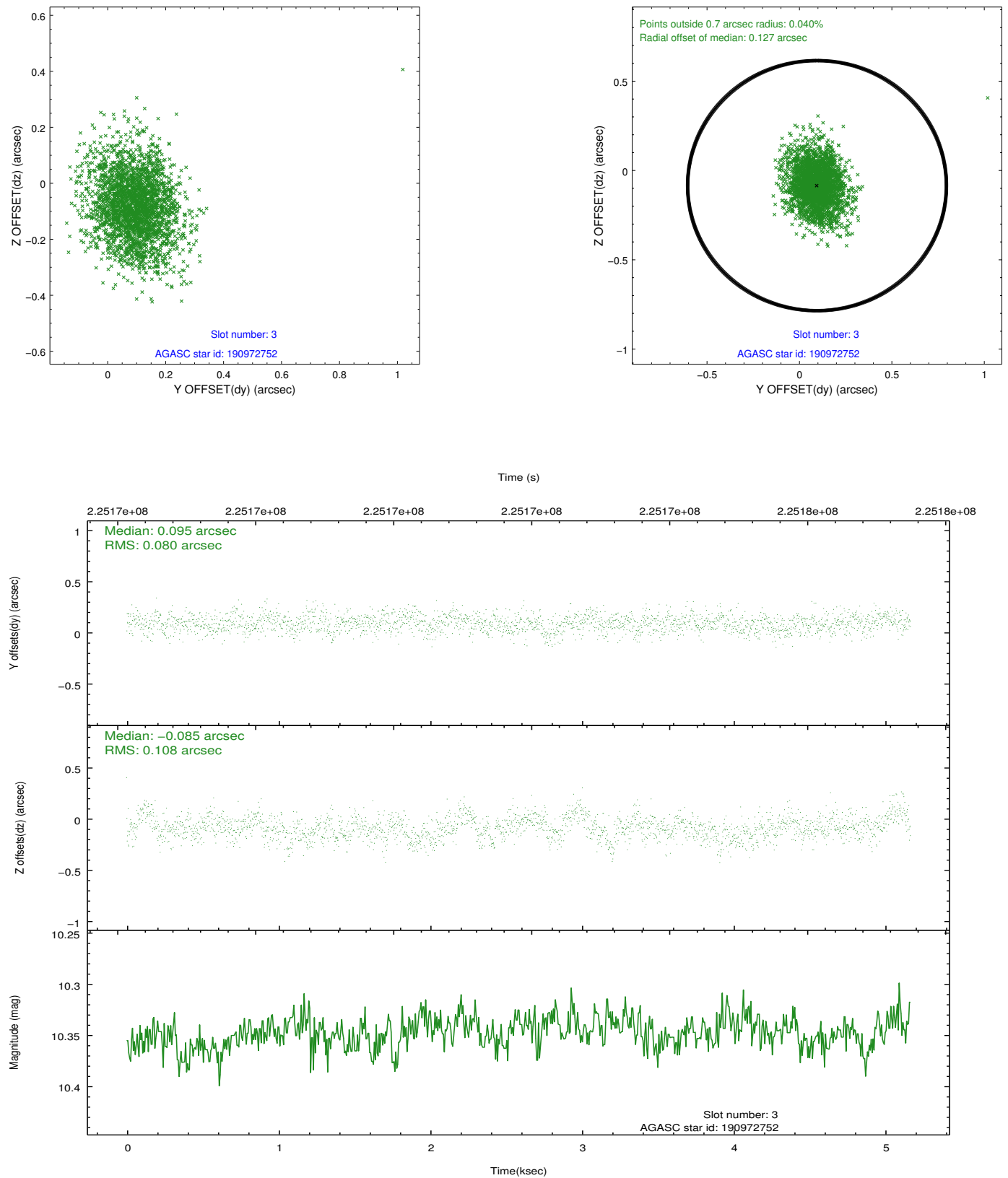


Slot Statistics

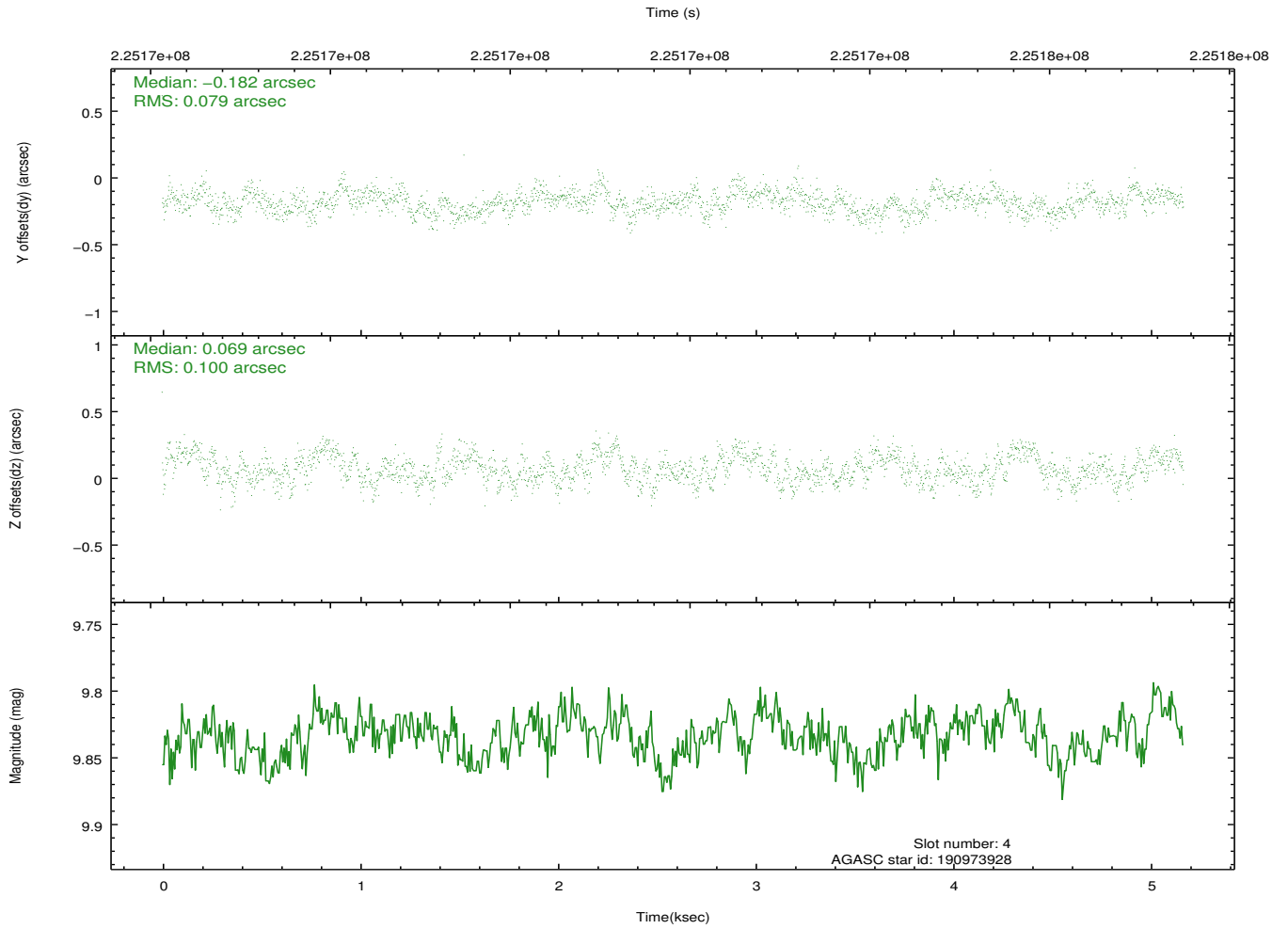
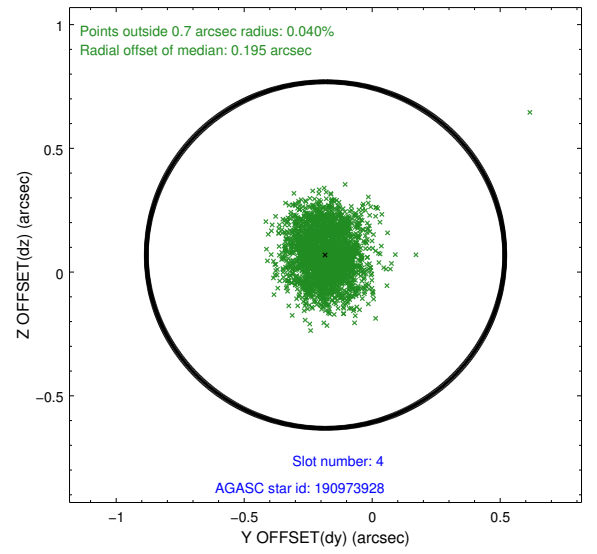
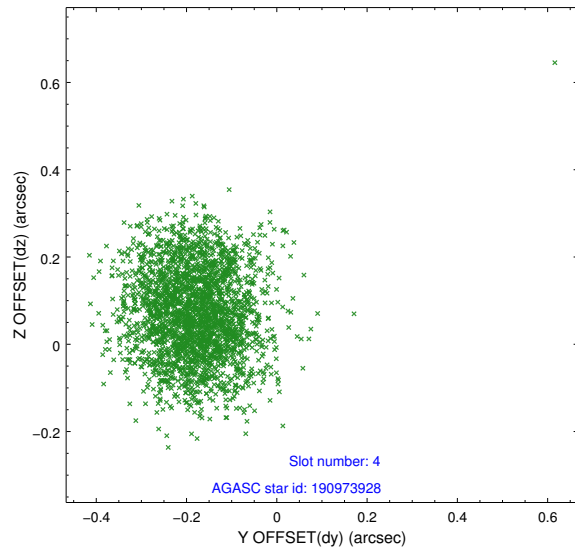
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1261	-0.057	-0.032	0.007	0.012	0.000000	0.000000	-759.65	-1731.10
1	FID	ACIS-S-4	7.21	1261	0.096	0.036	0.006	0.010	0.000000	0.000000	2153.22	176.30
2	FID	ACIS-S-5	7.23	1261	-0.070	0.005	0.006	0.011	0.000000	0.000000	-1811.03	171.20
3	GUIDE	190972752	10.35	2516	0.095	-0.085	0.139	0.234	197.567107	21.351082	-267.88	-1181.80
4	GUIDE	190973928	9.83	2521	-0.182	0.069	0.137	0.211	197.904188	21.564389	542.61	-2280.94
5	GUIDE	190974376	6.81	2522	-0.235	0.148	0.068	0.117	197.884749	21.918670	1814.59	-2166.29
6	GUIDE	190979840	10.37	2520	0.189	-0.078	0.234	0.348	197.337465	20.846267	-2111.57	-478.86
7	GUIDE	190971944	10.05	2518	0.143	-0.049	0.156	0.277	197.963793	22.064478	2349.12	-2408.67

2.4 Star Slots

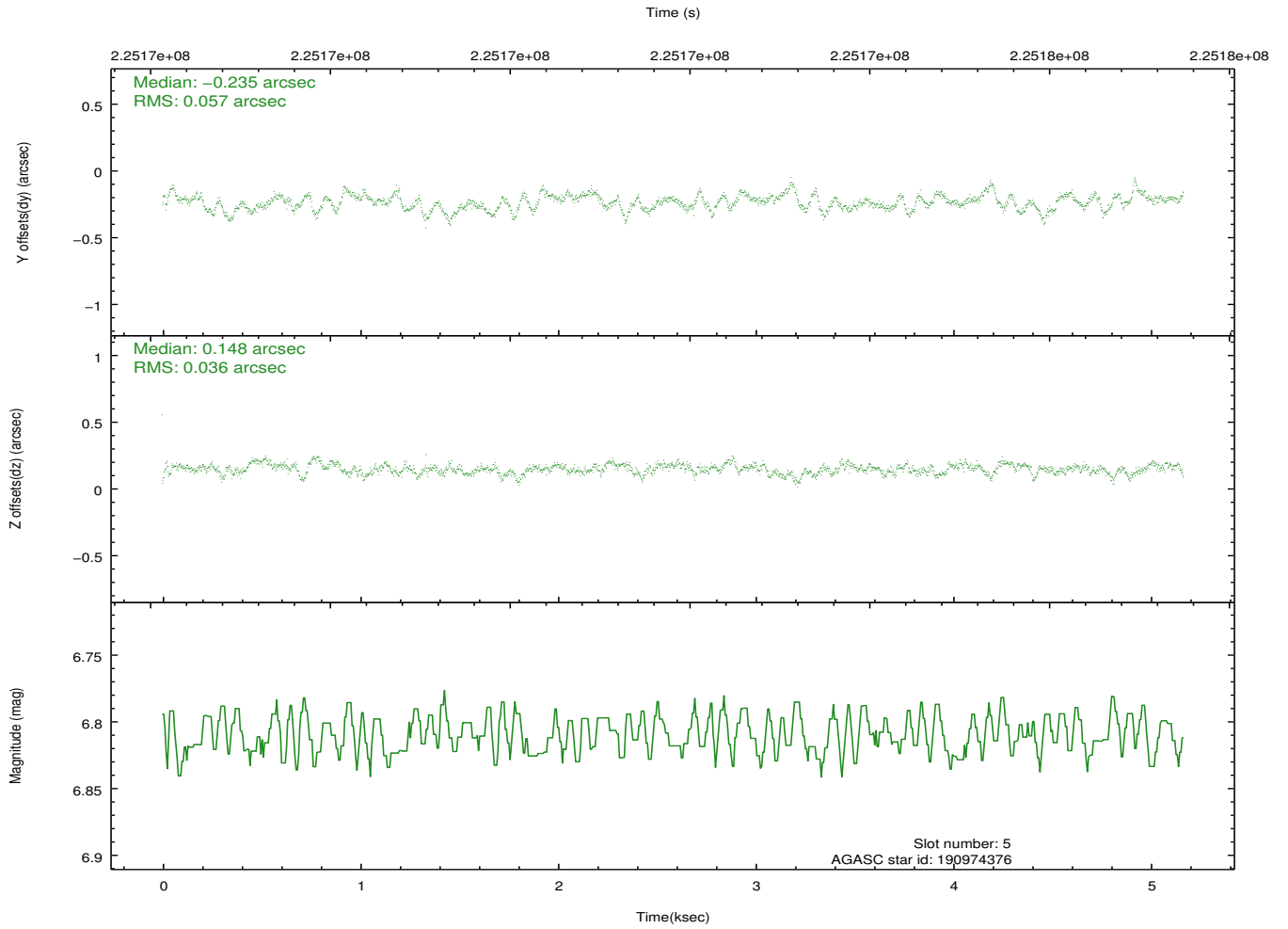
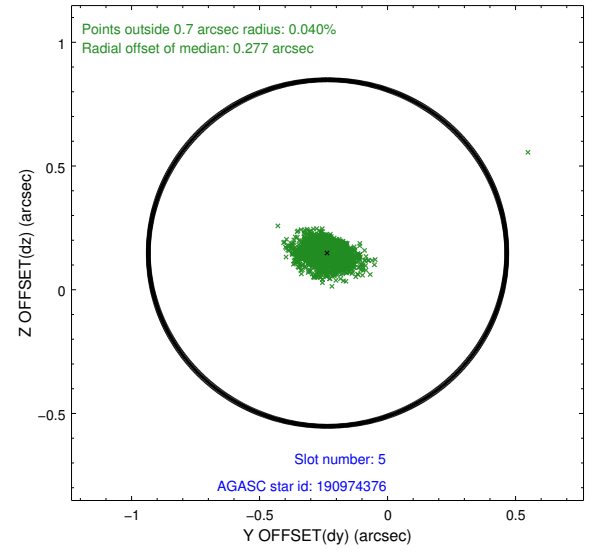
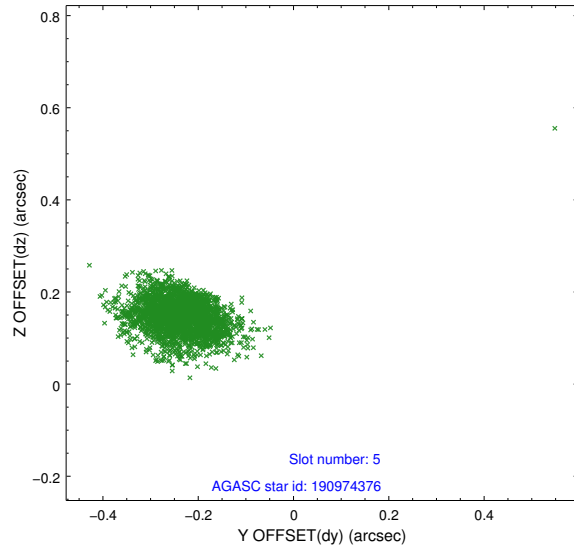
2.4.1 Slot 3



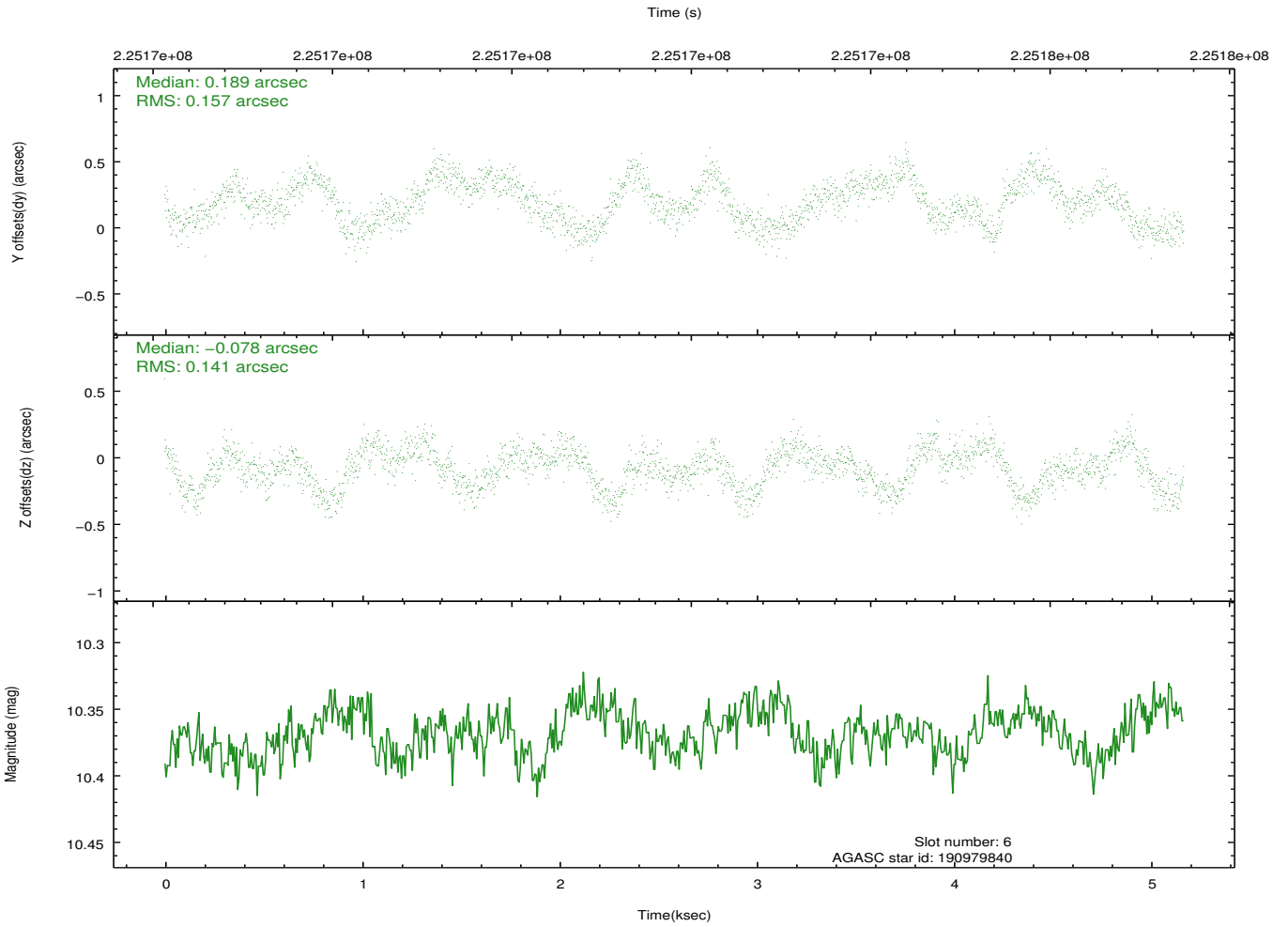
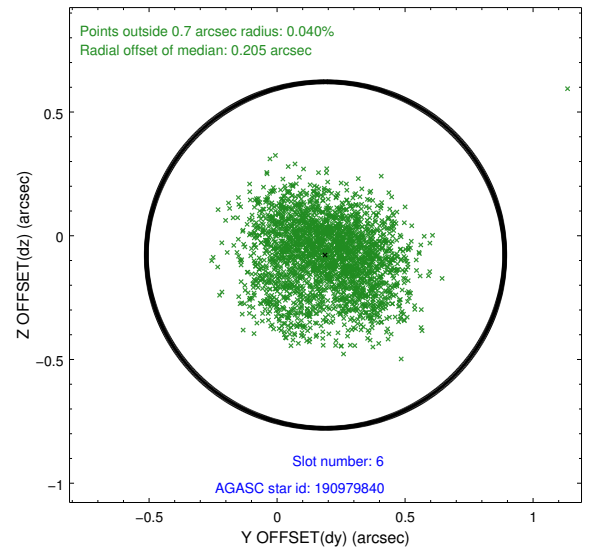
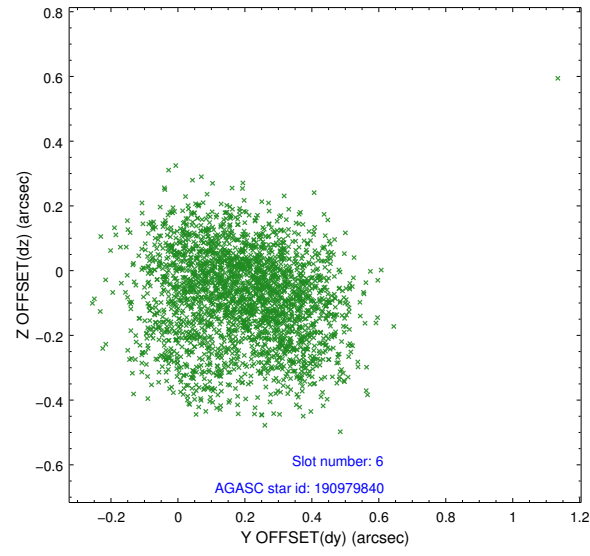
2.4.2 Slot 4



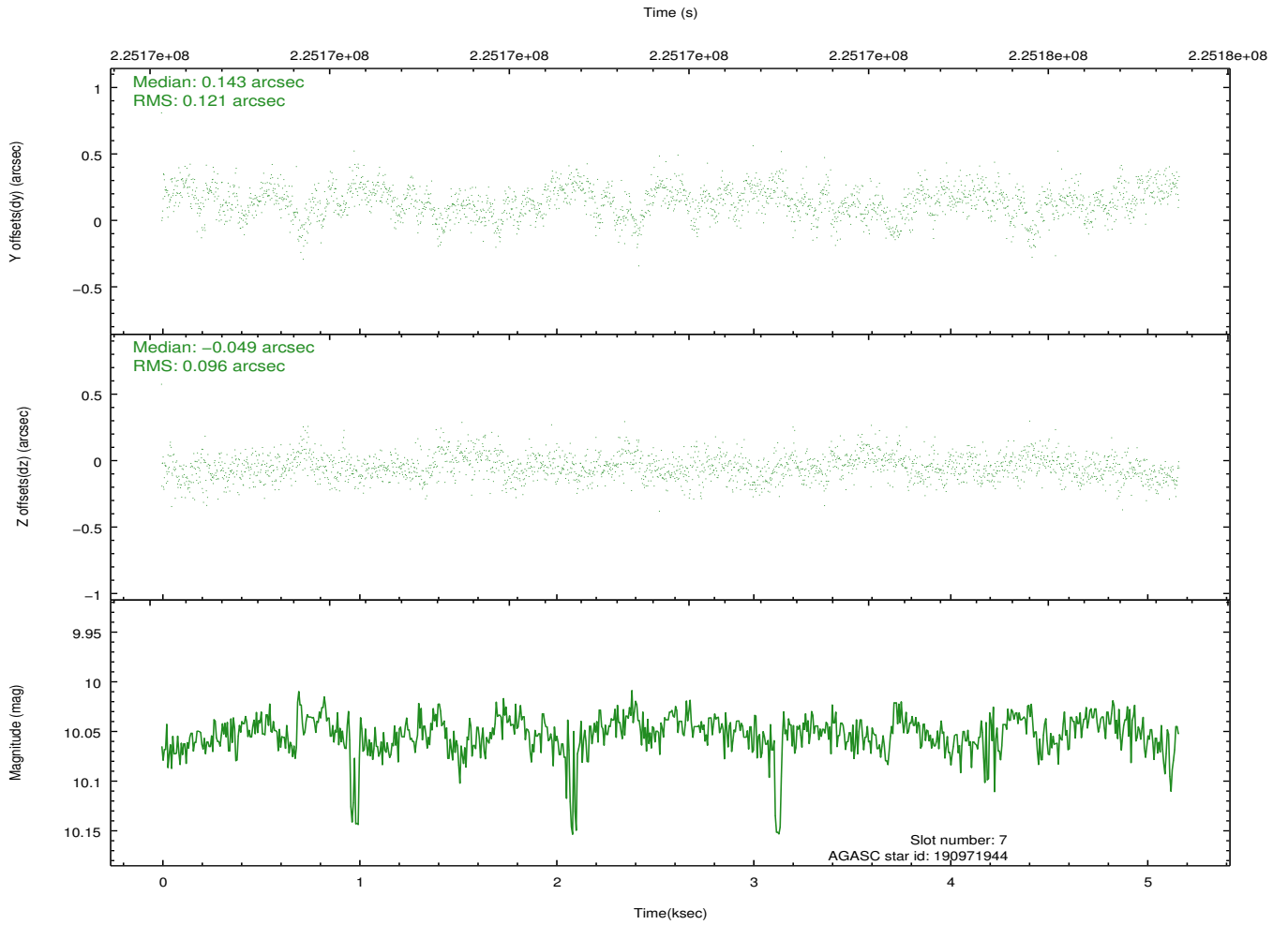
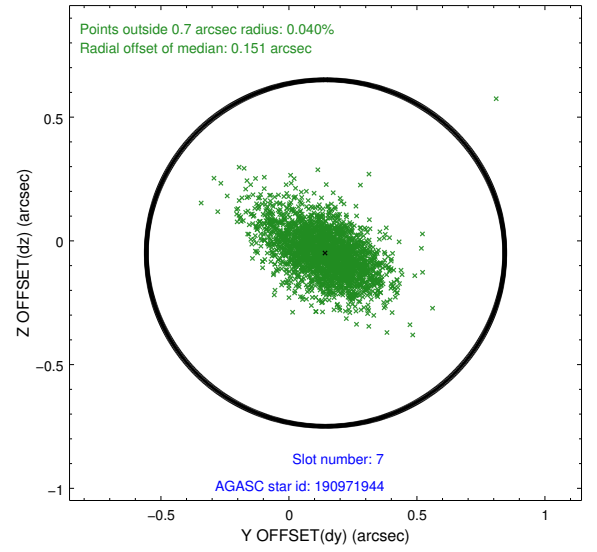
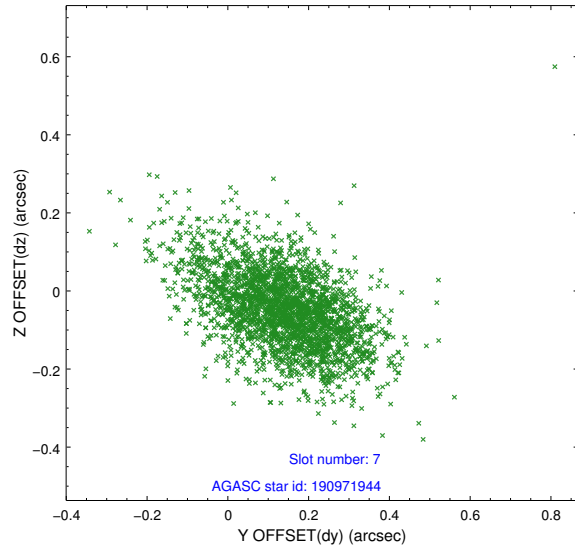
2.4.3 Slot 5



2.4.4 Slot 6

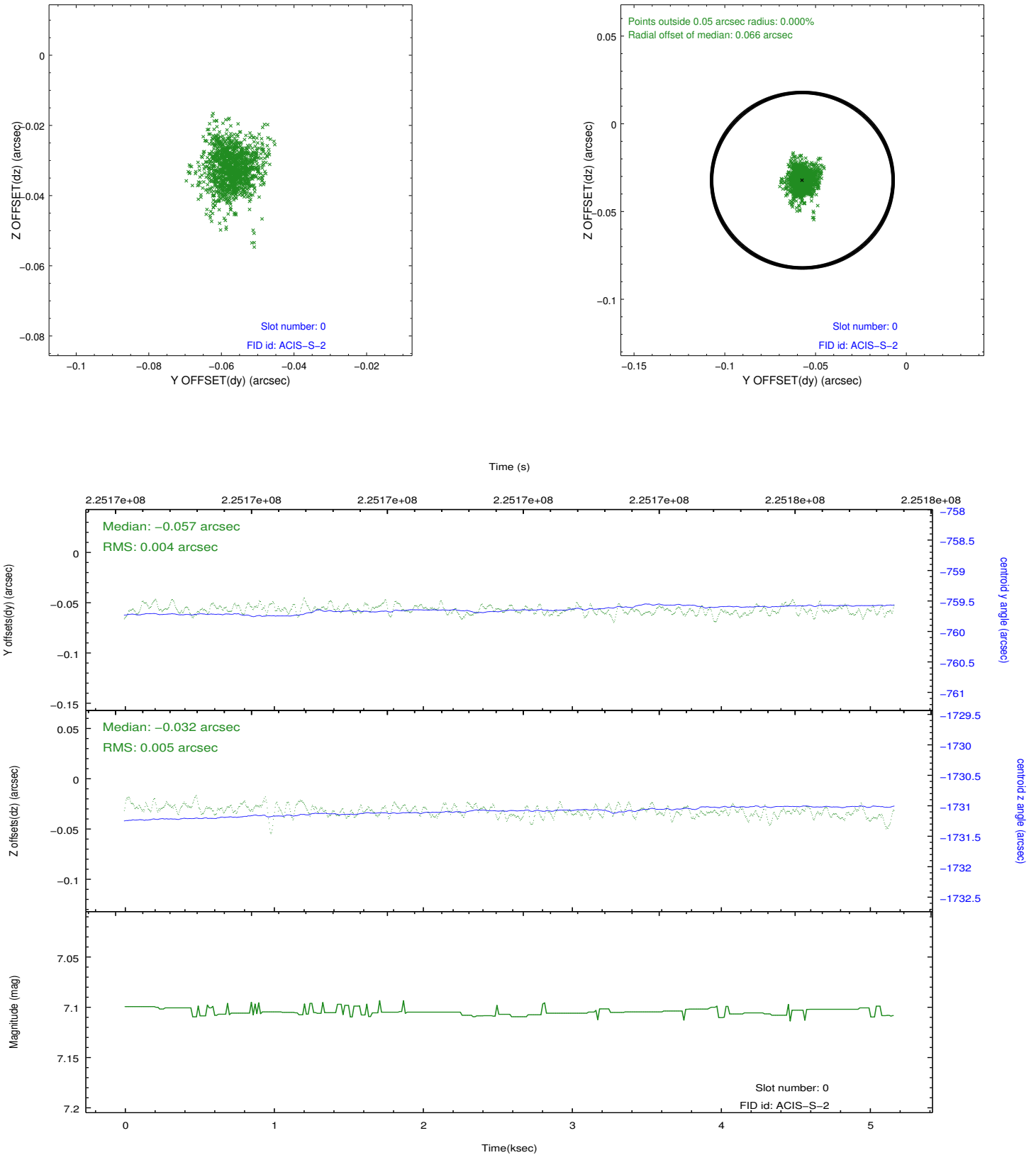


2.4.5 Slot 7

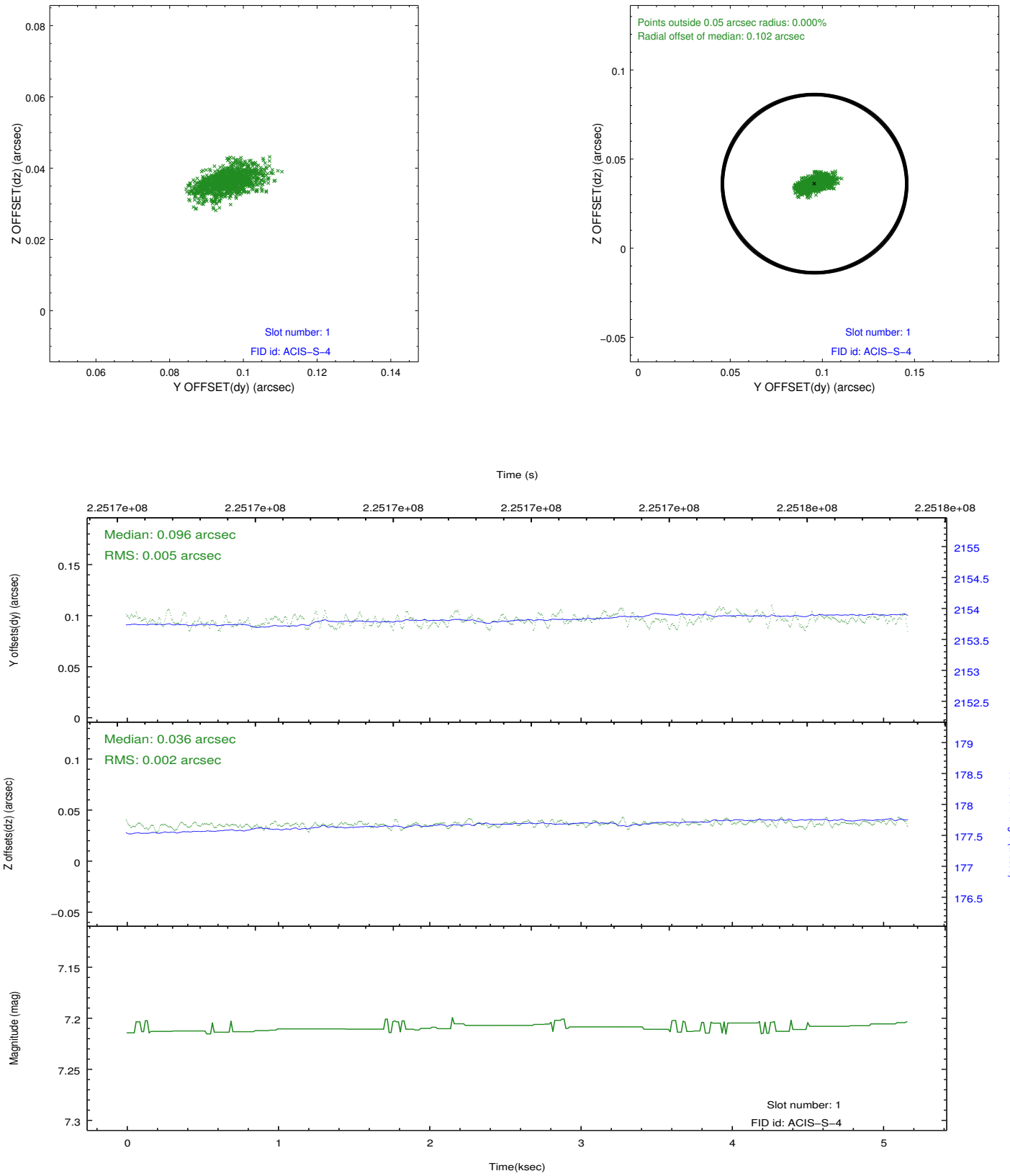


2.5 FID Slots

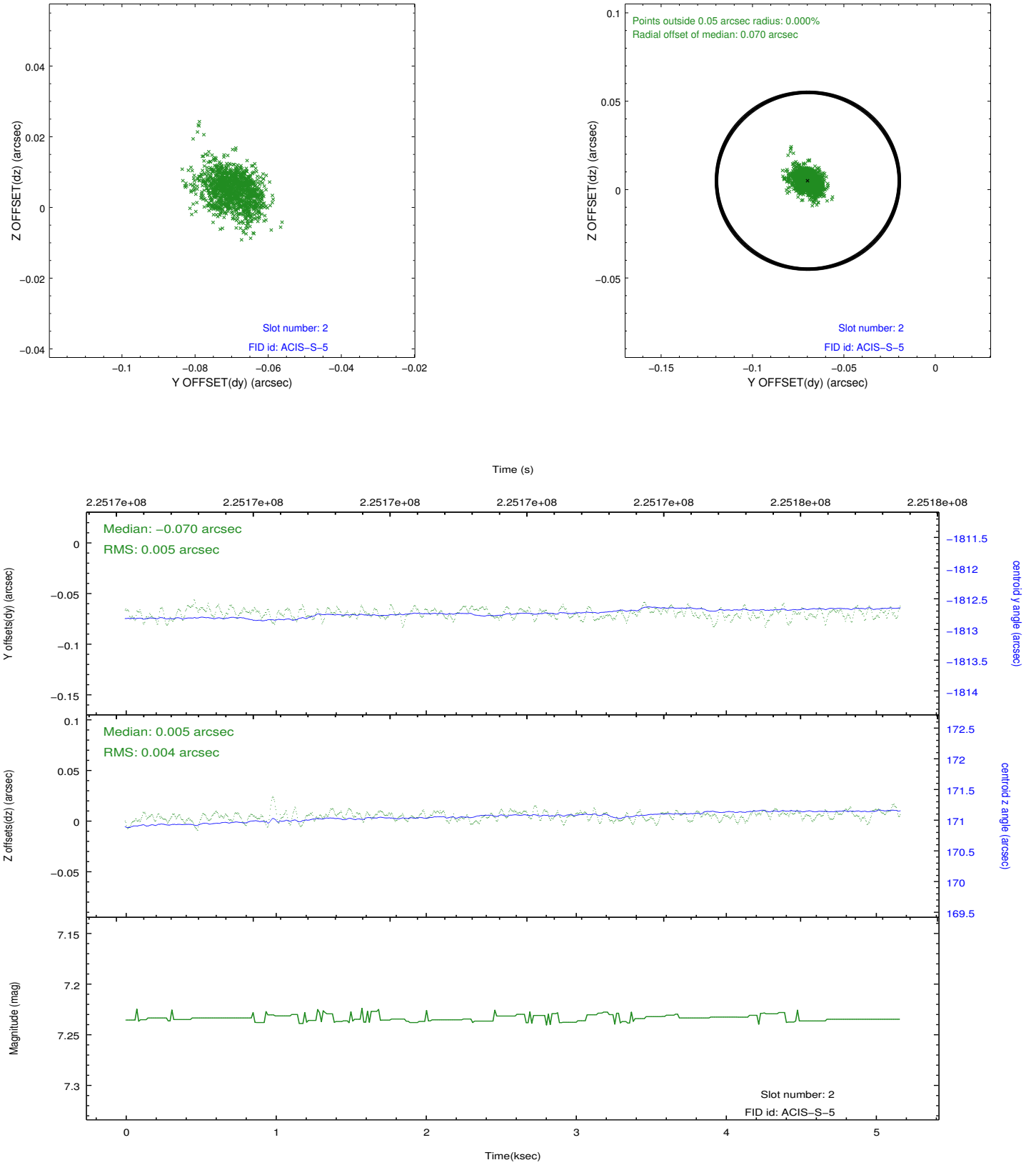
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.165

A.2 Comments