

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1118 - L2 Version 3
Chandra X-Ray Center

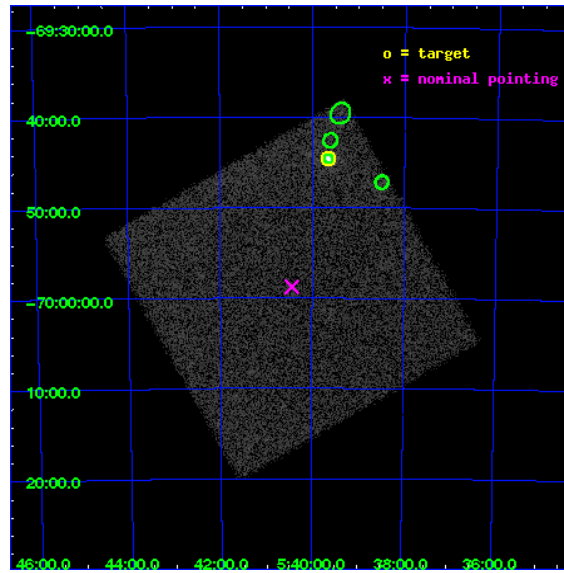
L2 Processing Date : Jan 12 2010

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1 Front

seq_num	480068	Sequence number
obs_id	1118	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	85.109865354171	Nominal RA
dec_nom	-69.979407085724	Nominal Dec
roll_nom	105.39289839623	Nominal Roll
revision	3	Processing version of data
ontime	1794.0063144267	[s]
livetime	1778.7747446211	Ontime multiplied by DTCOR
l2events	81123	Number of level 2 events

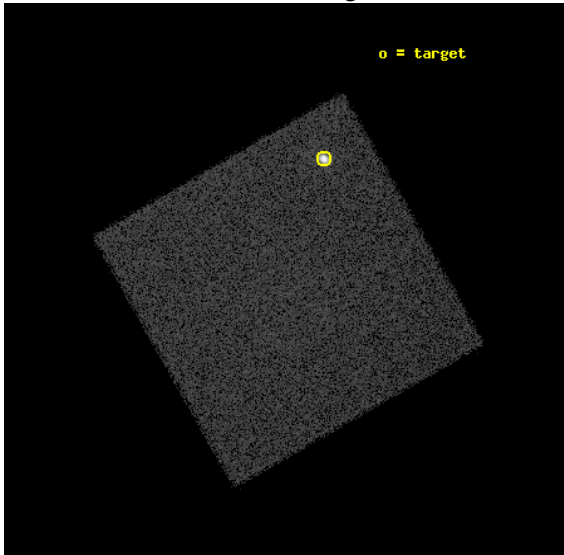


2 OBI

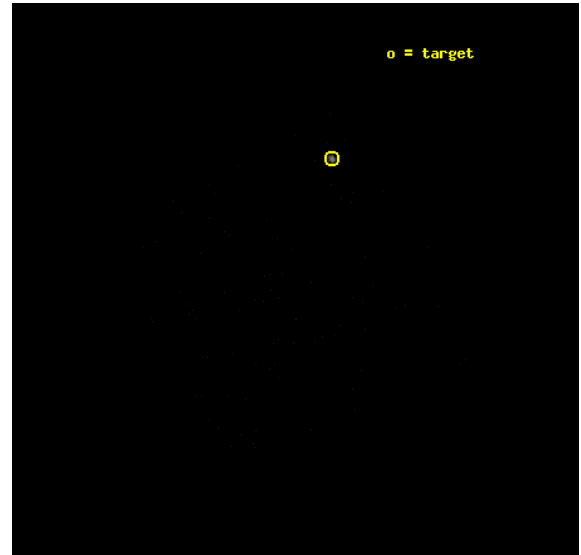
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	1794.0063144267	[s]
caldbver	4.1.5	 	l1events	125968	Number of level 1 events
date	2010-01-12T20:58:24	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

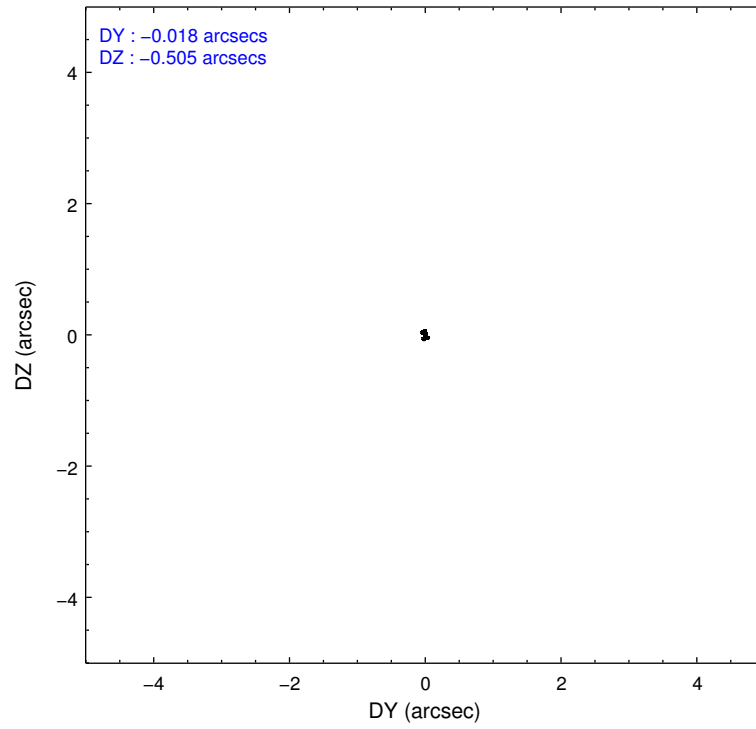
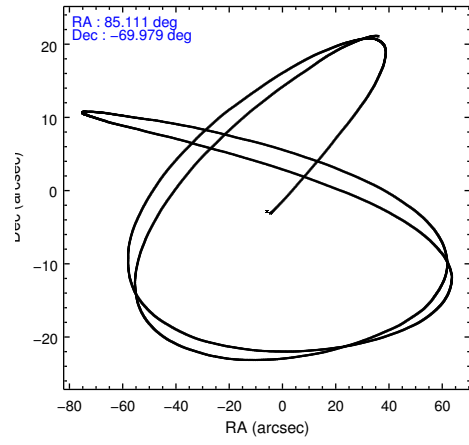
	segment 0
level 1 events	125968
rejected events	3531
rejected %	2%

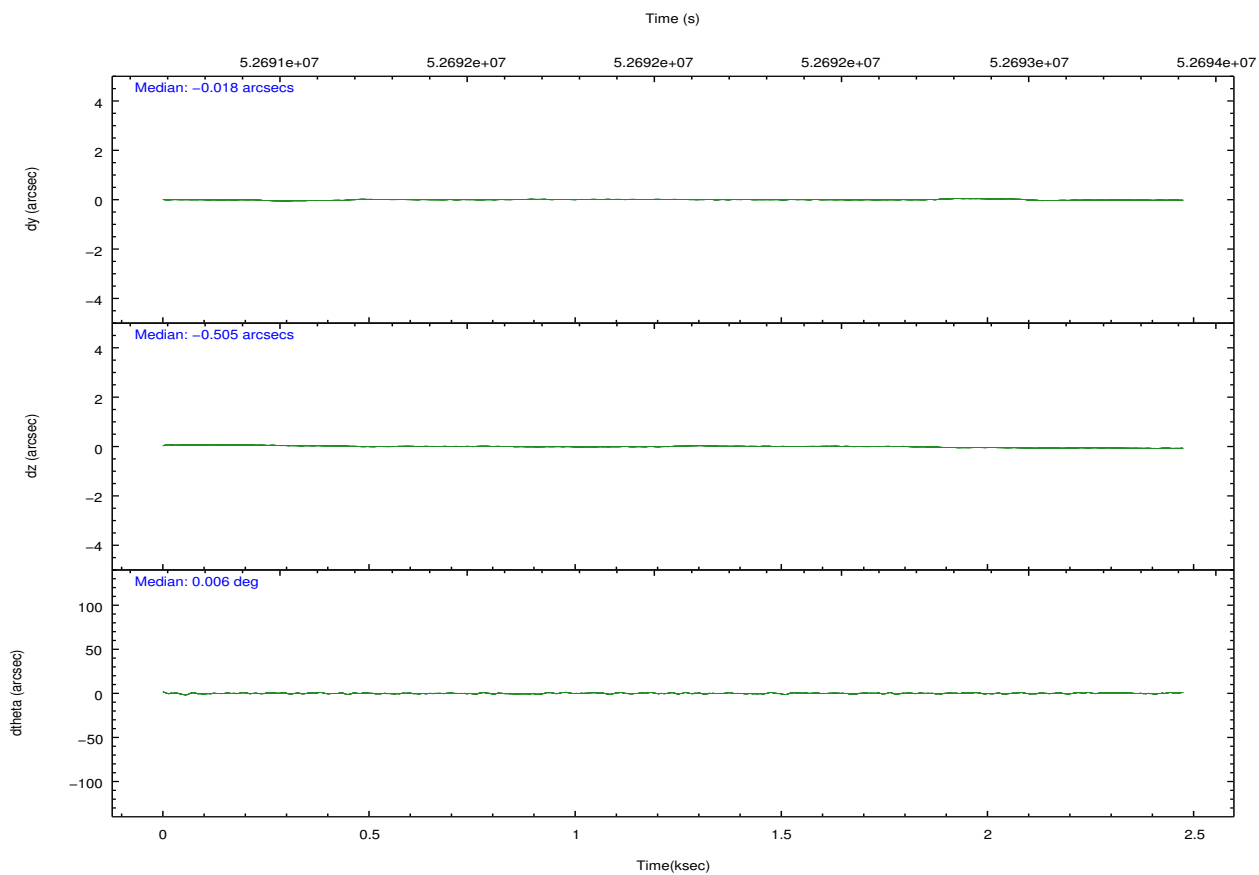
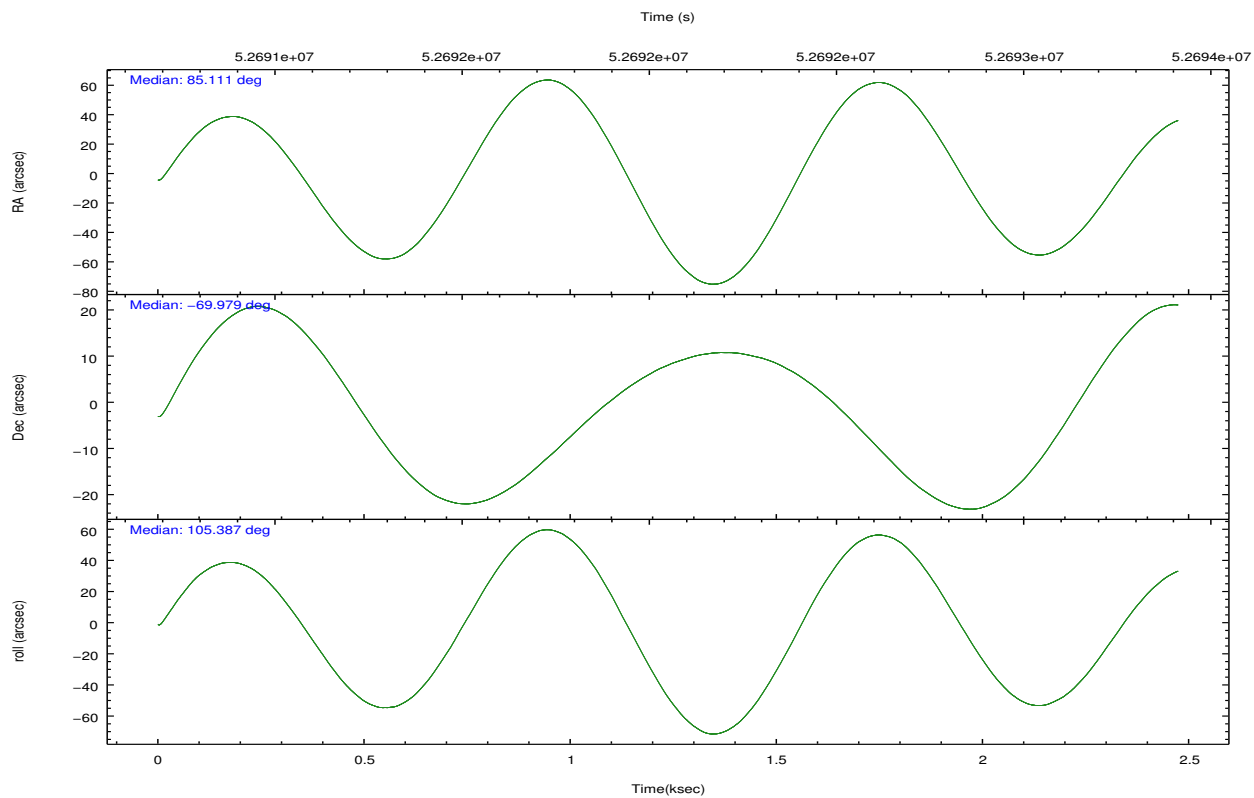
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	85.166603	85.10986535417081
Pointing Dec	-69.999083	-69.97940708572412
Pointing Roll	105.541698	105.392898396233
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	52691288.184000	52690621.743054
Observation start date	1999-09-02T20:27:04	1999-09-02T20:17:01
Observation end time	52693288.184000	52693421.530654
Observation end date	1999-09-02T21:00:24	1999-09-02T21:03:41

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



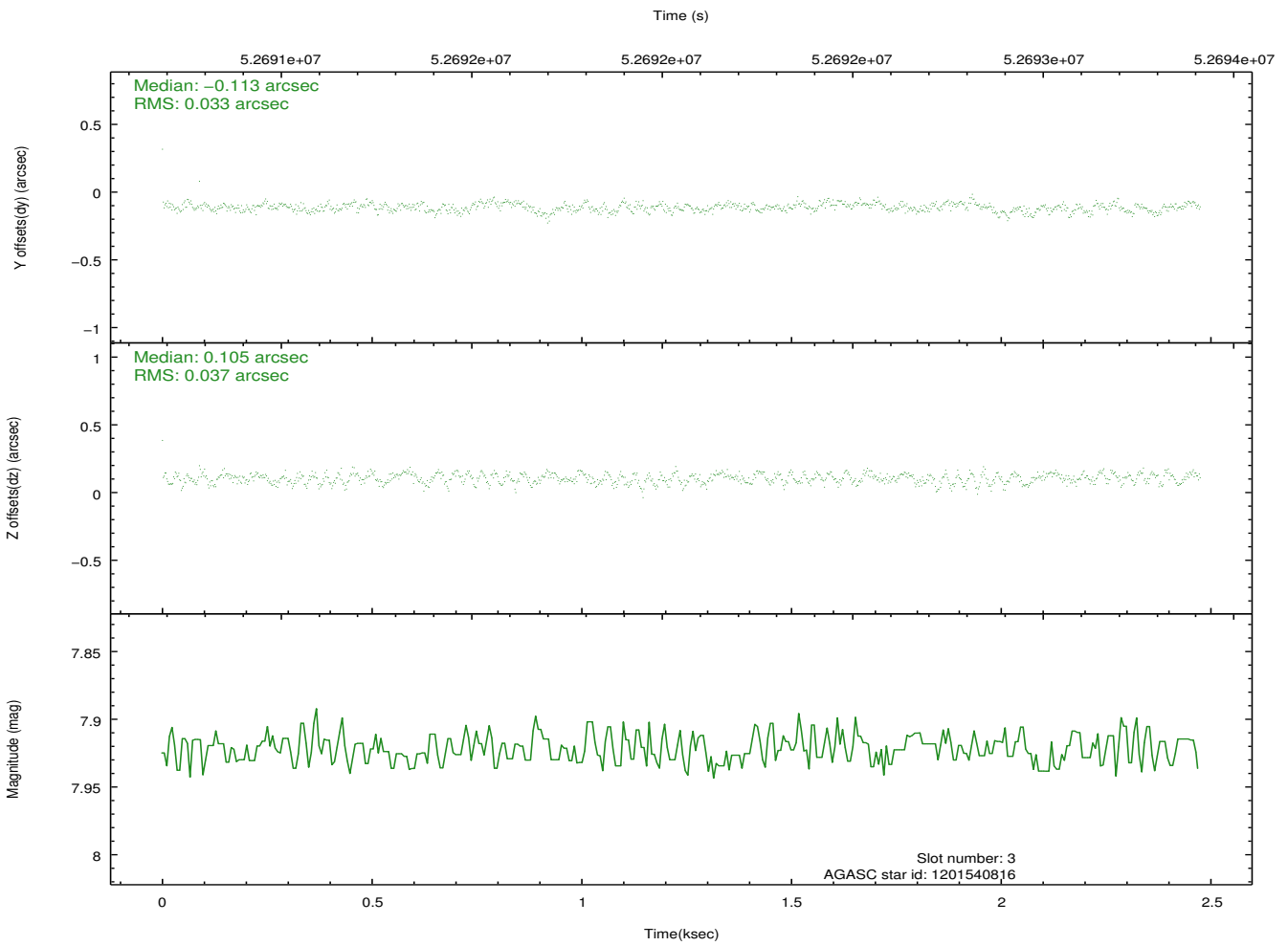
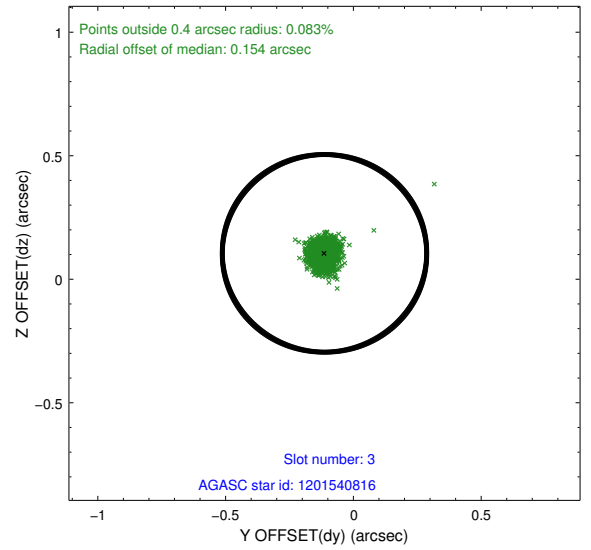
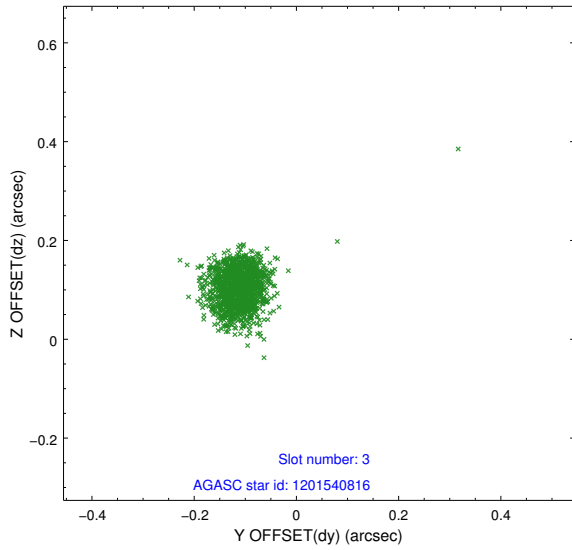


Slot Statistics

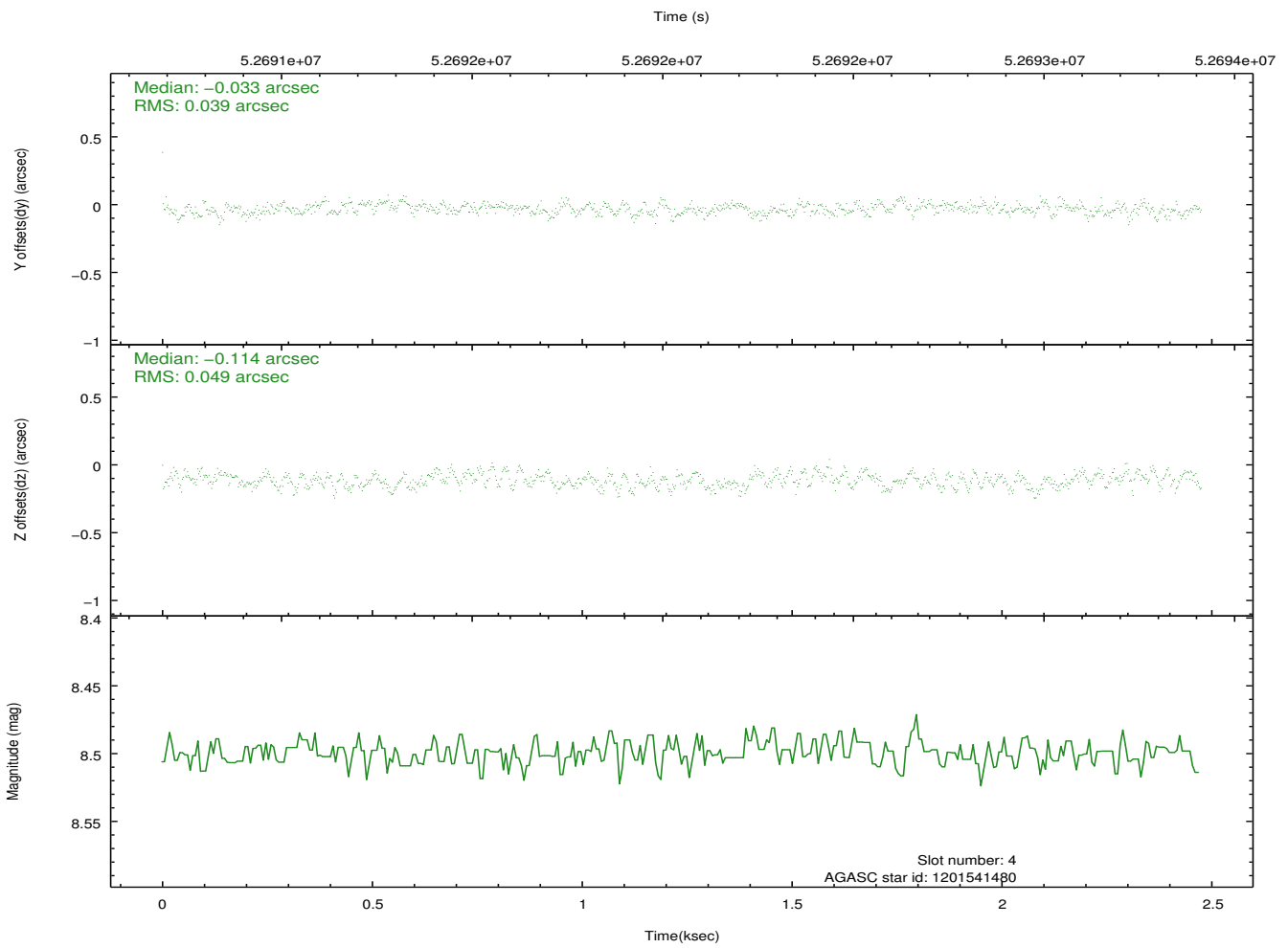
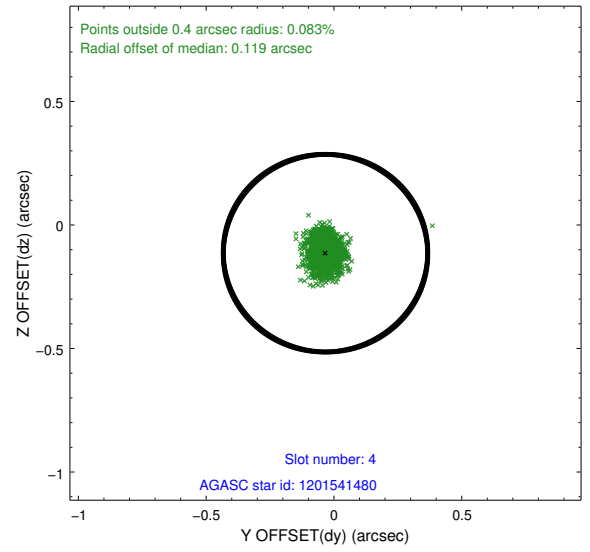
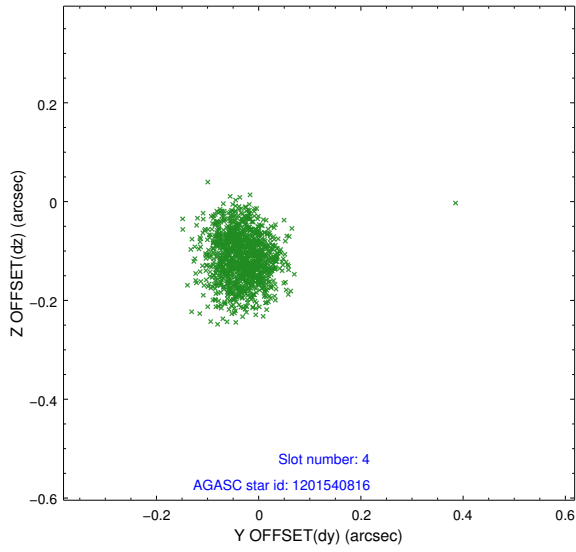
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1207	-0.005	-0.066	0.006	0.009	0.000000	0.000000	-755.29	-1287.24
1	FID	HRC-I-3	7.04	1208	0.057	-0.039	0.006	0.011	0.000000	0.000000	-1184.45	1016.20
2	FID	HRC-I-4	6.98	1208	0.062	0.016	0.005	0.008	0.000000	0.000000	1286.42	1015.89
3	GUIDE	1201540816	7.92	1208	-0.113	0.105	0.050	0.079	86.998494	-69.749817	219.00	-2428.81
4	GUIDE	1201541480	8.50	1207	-0.033	-0.114	0.065	0.103	87.080483	-70.345903	-1859.64	-1889.28
5	GUIDE	1201540760	8.55	1207	0.082	-0.010	0.062	0.106	84.403691	-70.419249	-1219.07	1293.02
6	GUIDE	1201407840	7.97	1208	-0.070	-0.068	0.060	0.096	83.696303	-70.172201	-142.79	1904.47
7	GUIDE	1201406992	9.29	1207	0.131	0.095	0.105	0.157	83.682859	-69.471866	2307.19	1305.11

2.4 Star Slots

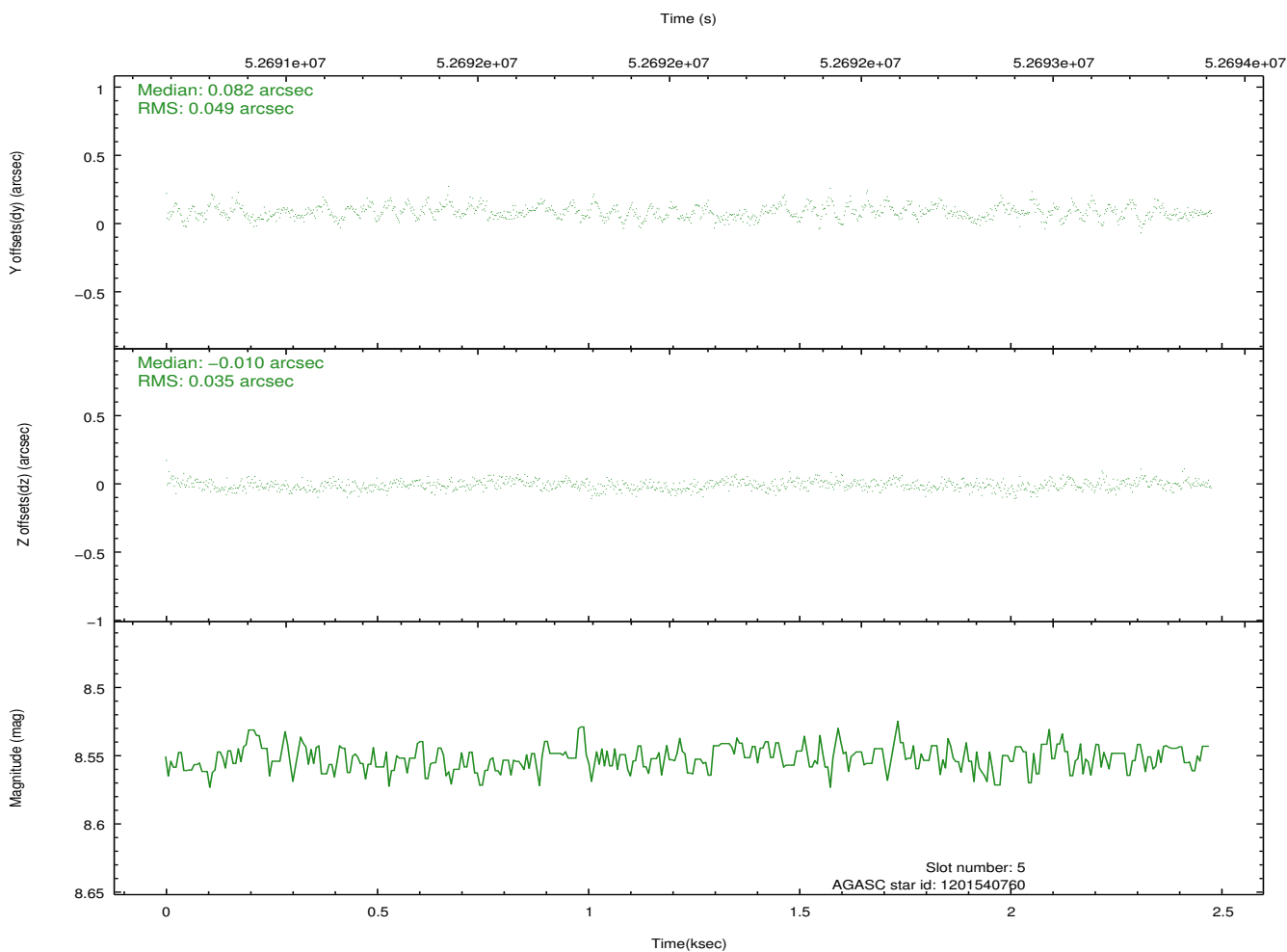
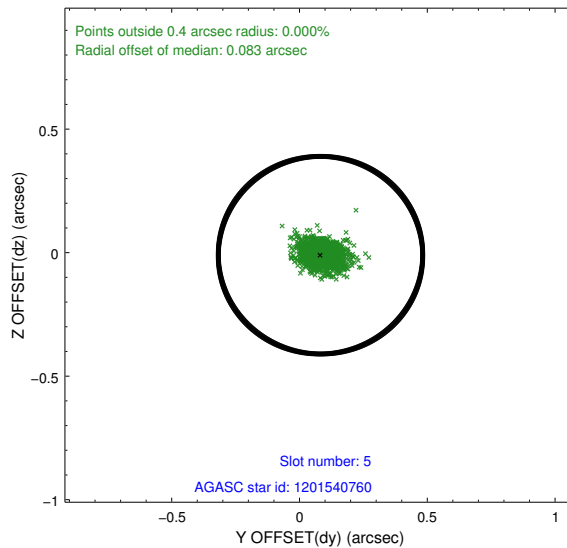
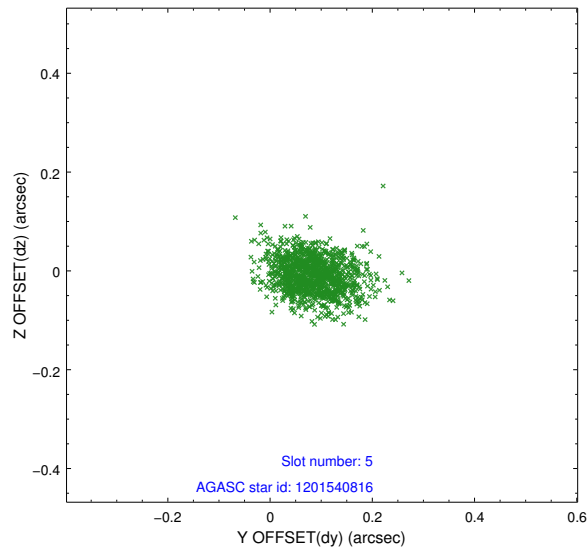
2.4.1 Slot 3



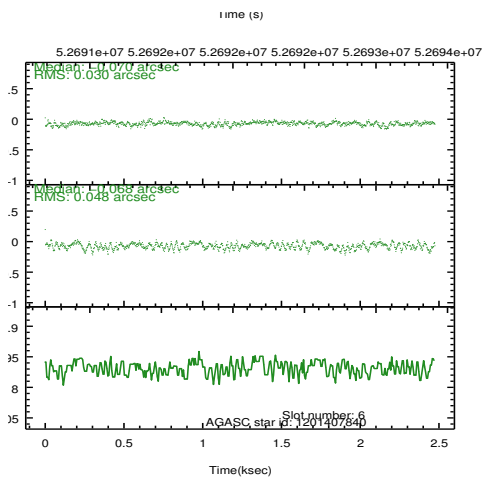
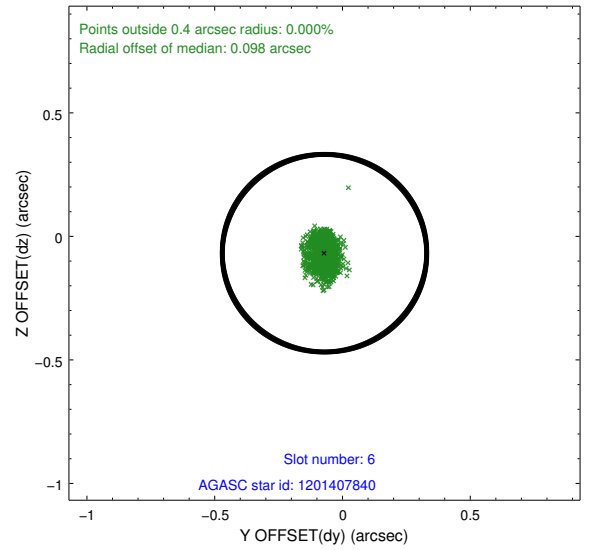
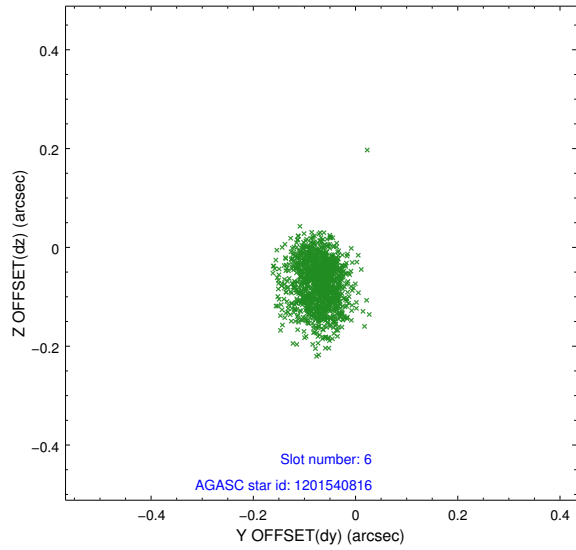
2.4.2 Slot 4



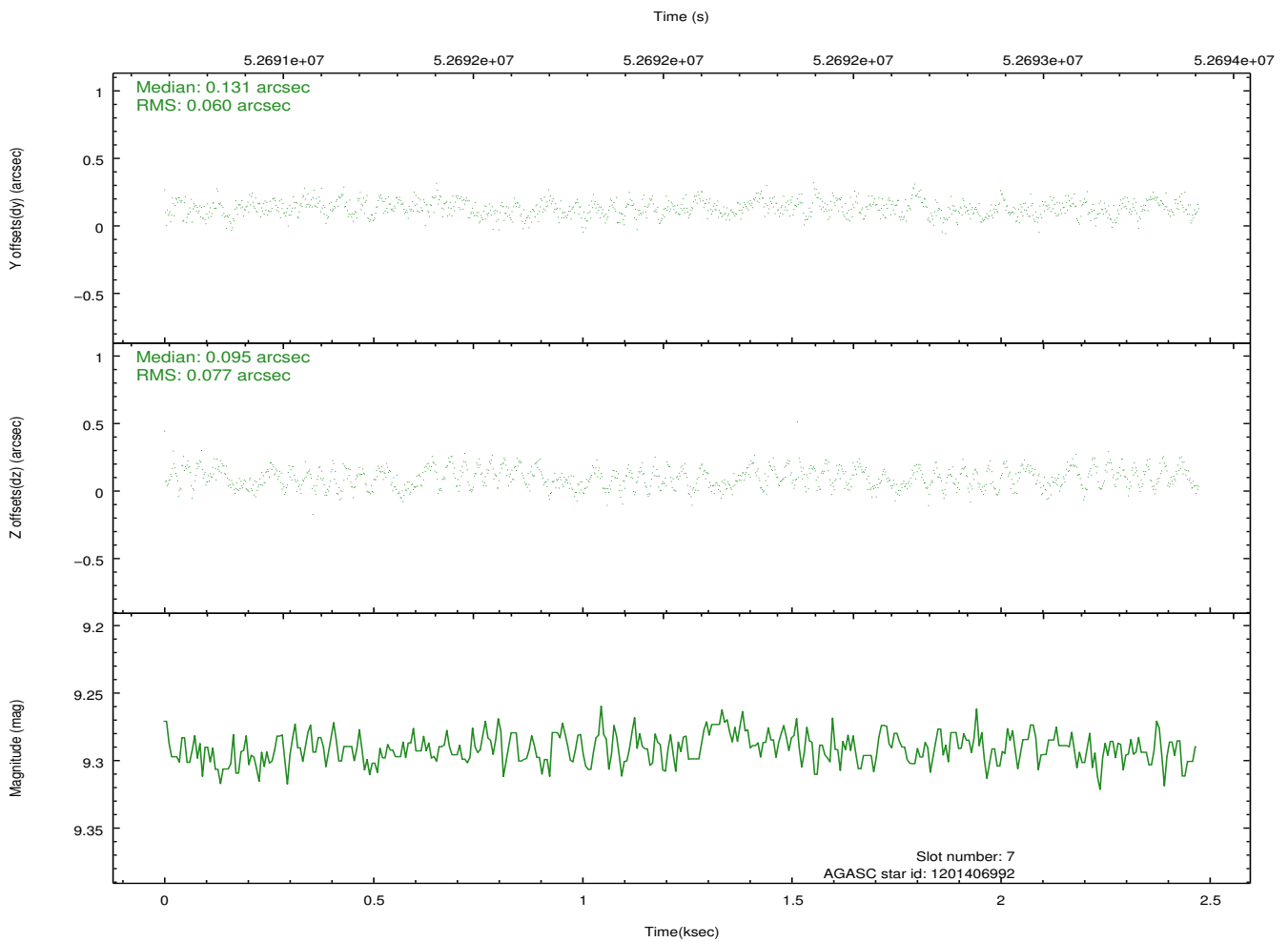
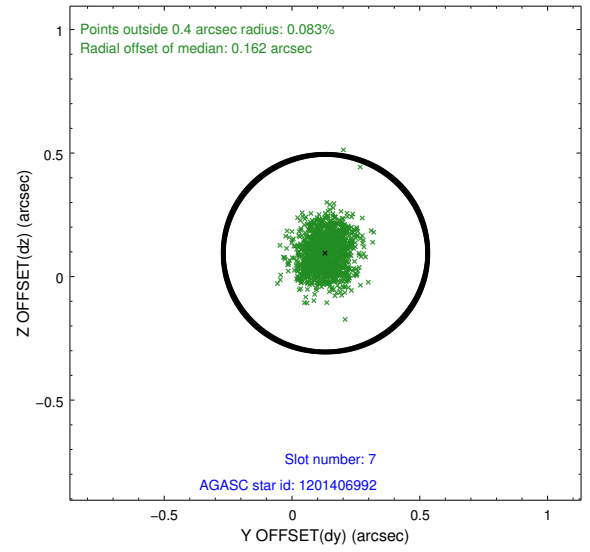
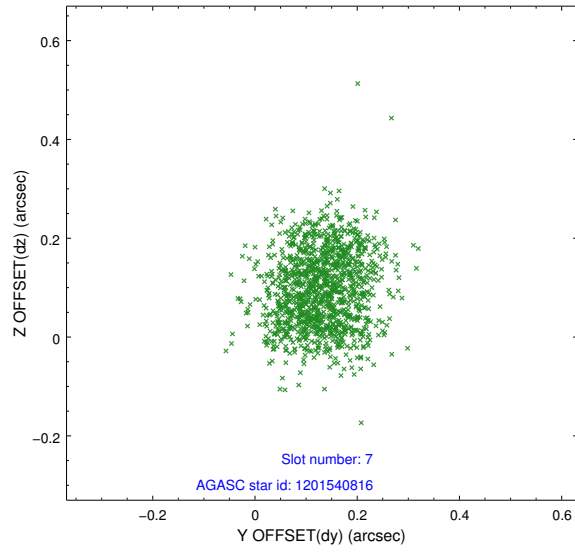
2.4.3 Slot 5



2.4.4 Slot 6

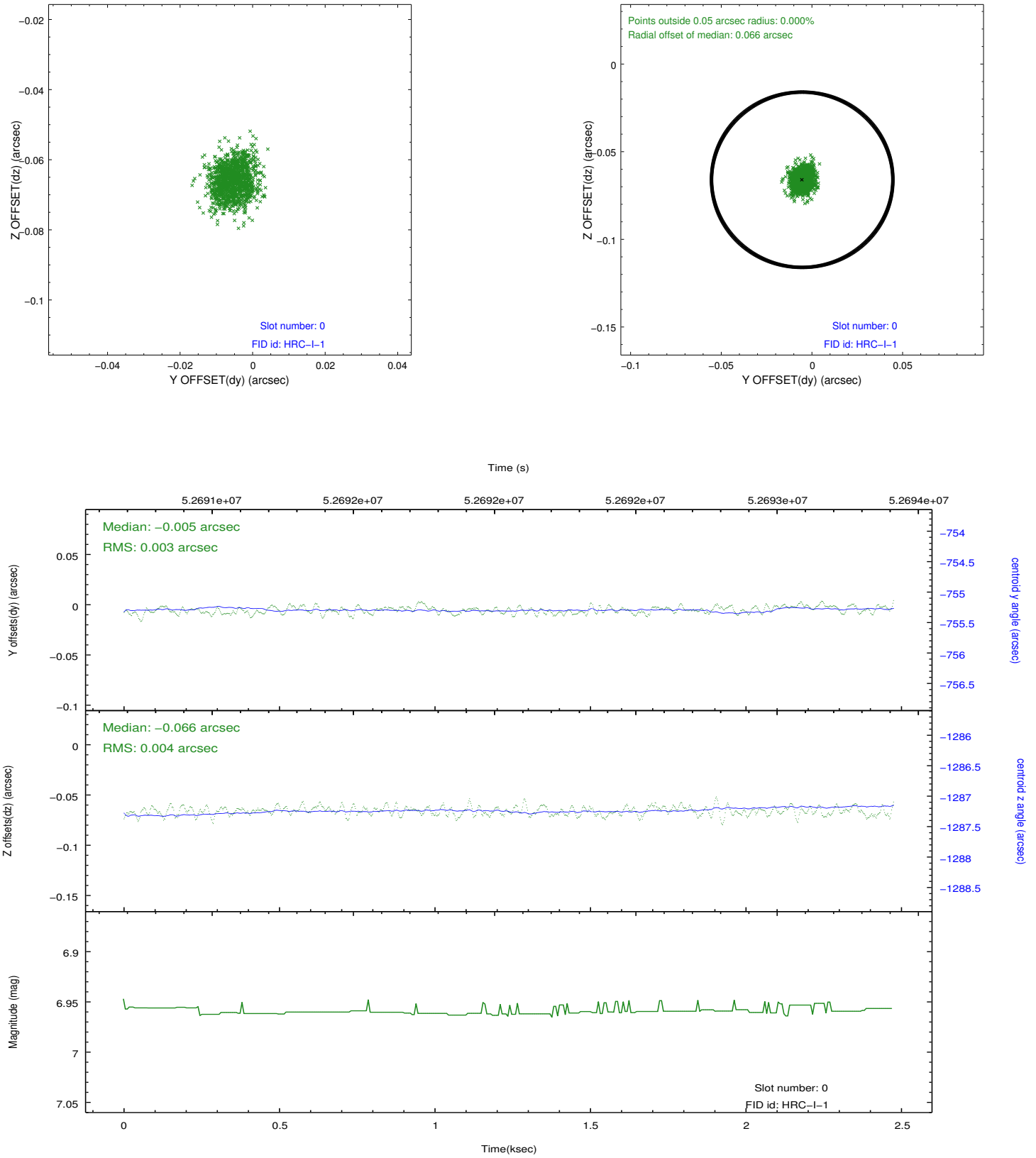


2.4.5 Slot 7

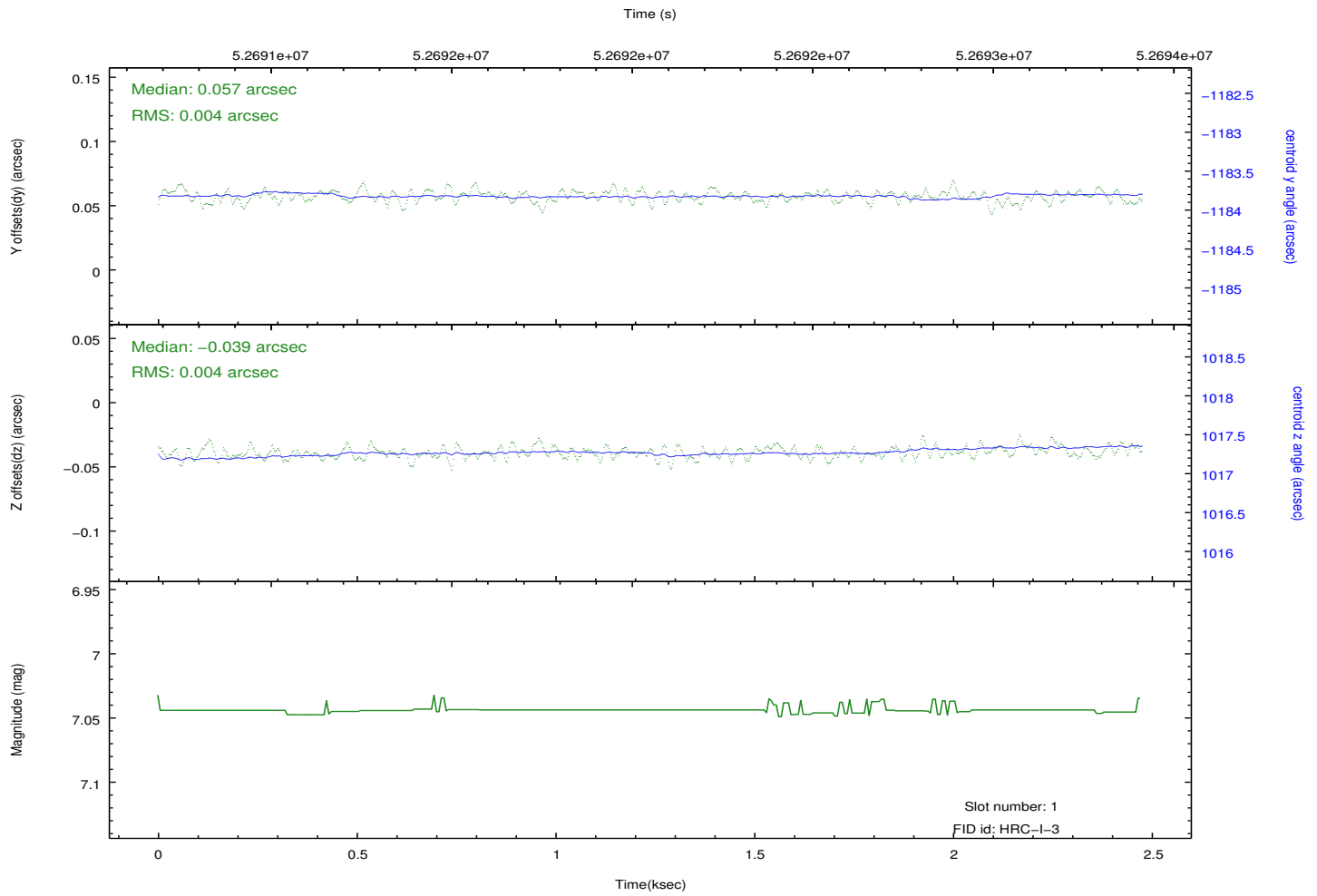
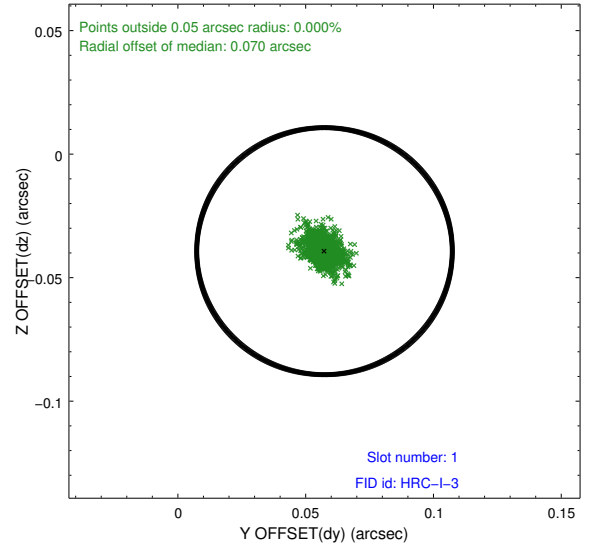
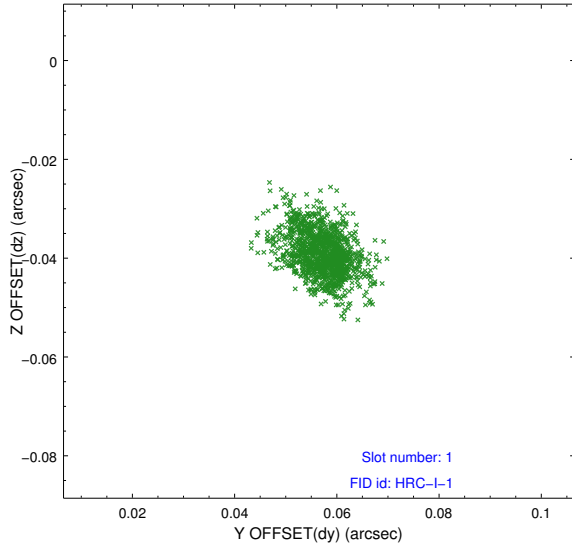


2.5 FID Slots

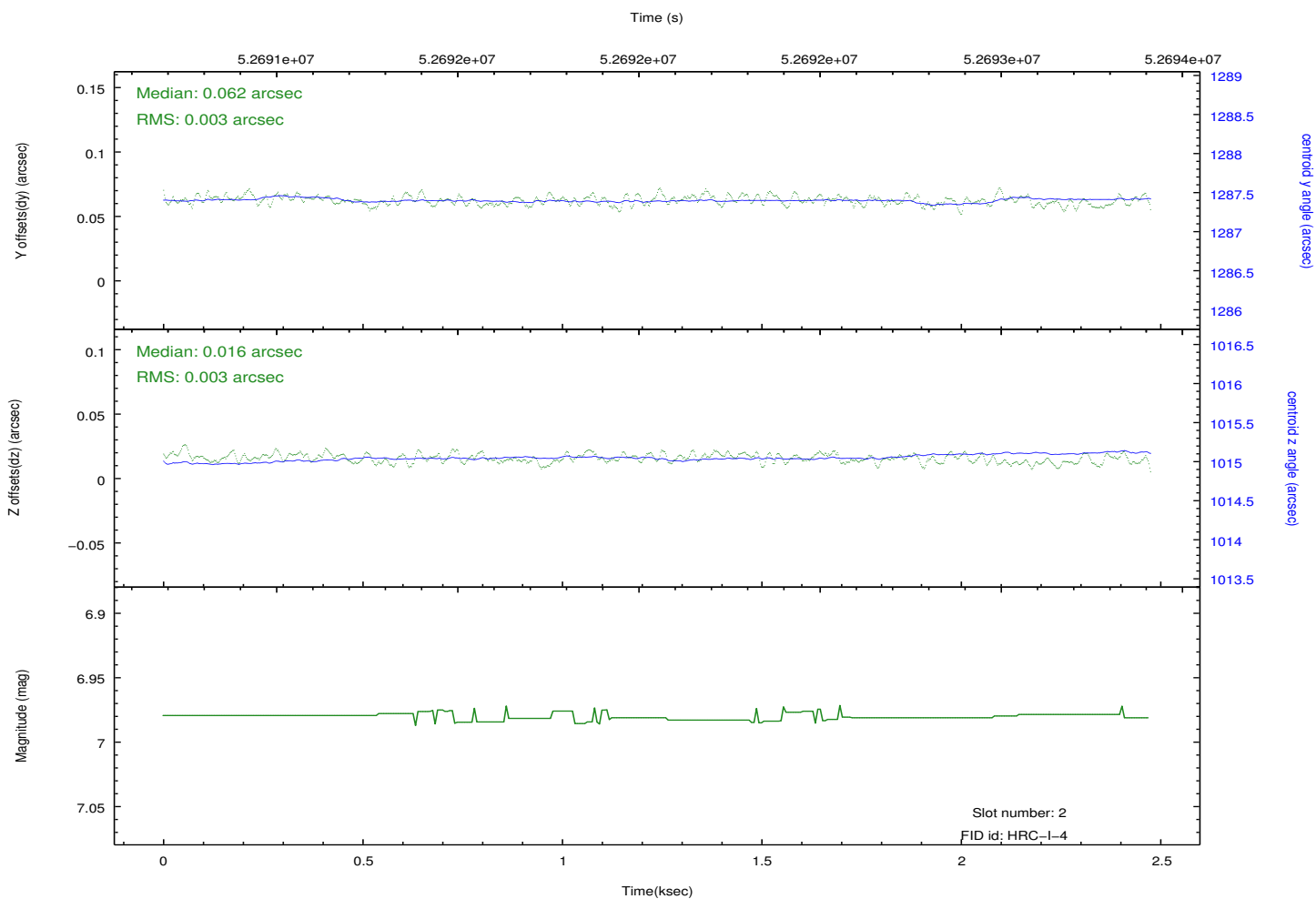
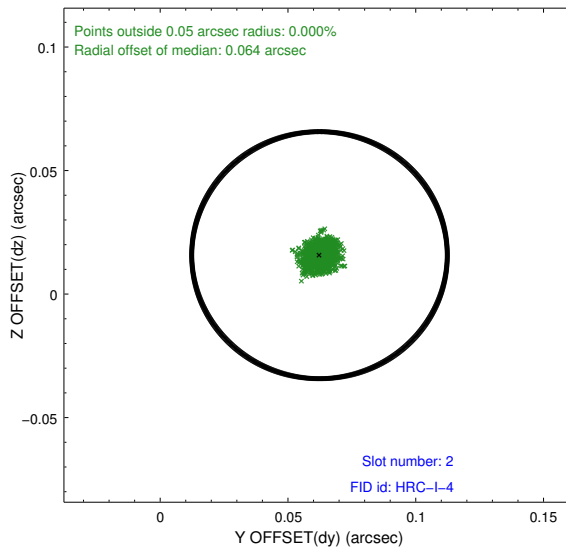
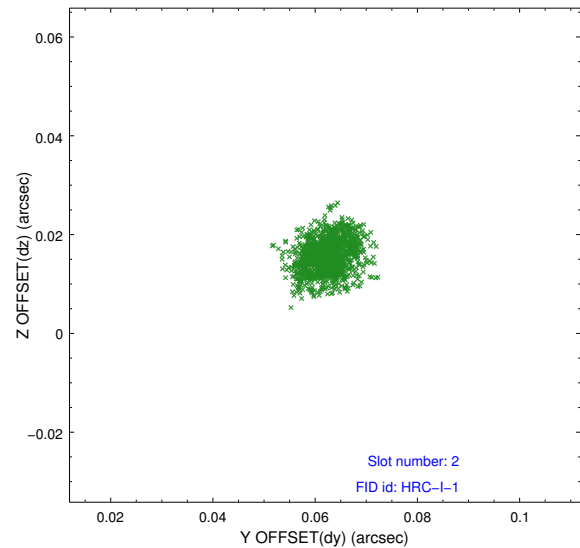
2.5.1 Slot 0



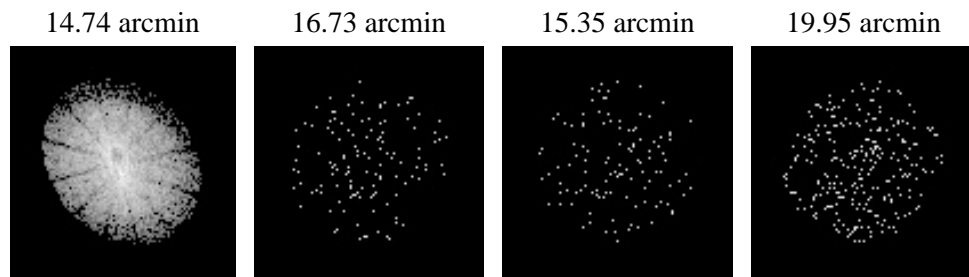
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.794

A.2 Comments

HRC boresight alignment and focus series. Target very off-axis.