

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1116 - L2 Version 3

Chandra X-Ray Center

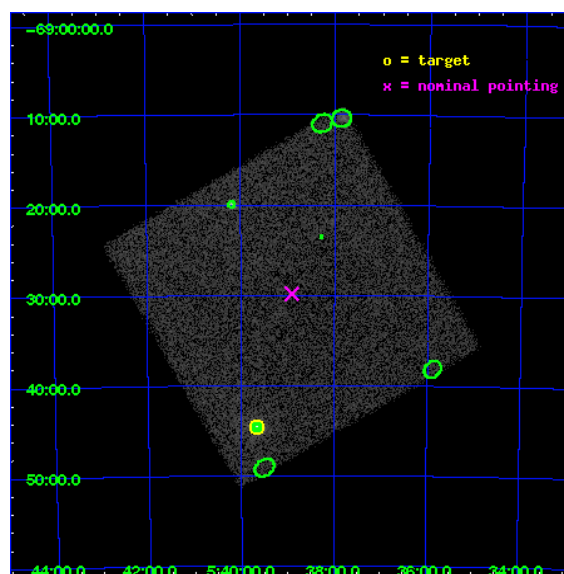
L2 Processing Date : Jan 12 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

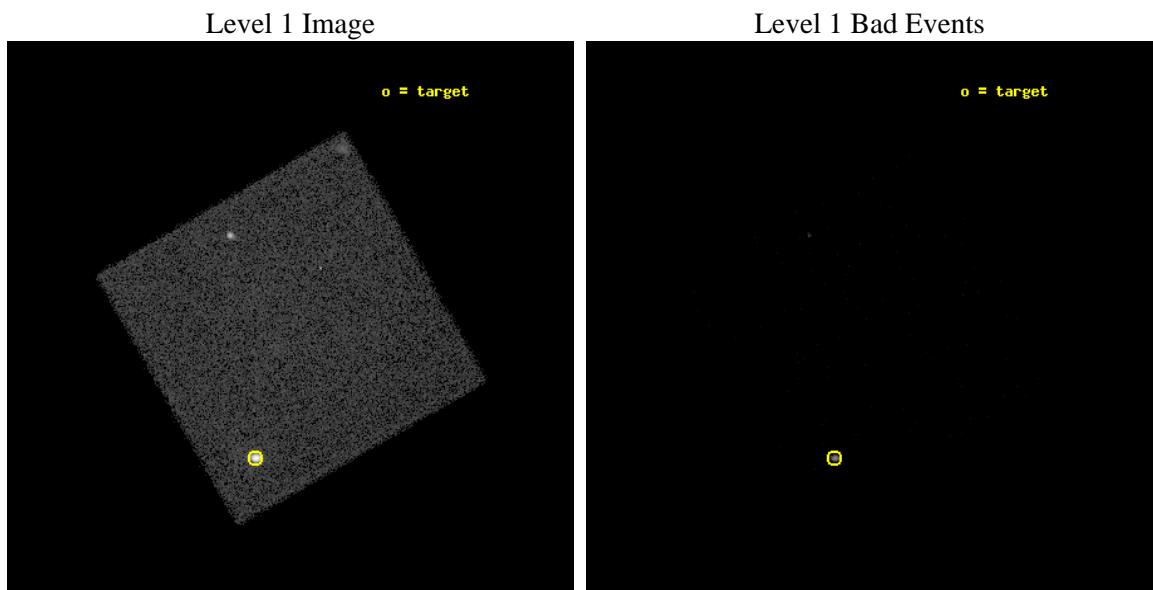
seq_num	480066	Sequence number
obs_id	1116	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.727505732709	Nominal RA
dec_nom	-69.497234993449	Nominal Dec
roll_nom	105.12811979495	Nominal Roll
revision	3	Processing version of data
ontime	1791.9563143477	[s]
livetime	1776.4110521237	Ontime multiplied by DTCOR
l2events	84957	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



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	1791.9563143477	[s]
caldbver	4.1.5	 	l1events	130673	Number of level 1 events
date	2010-01-12T20:49:57	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

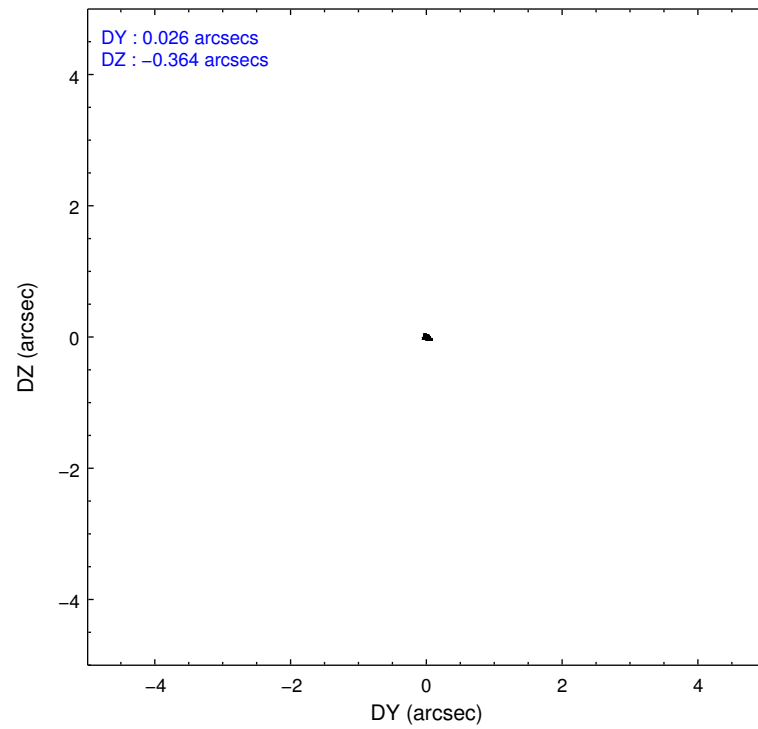
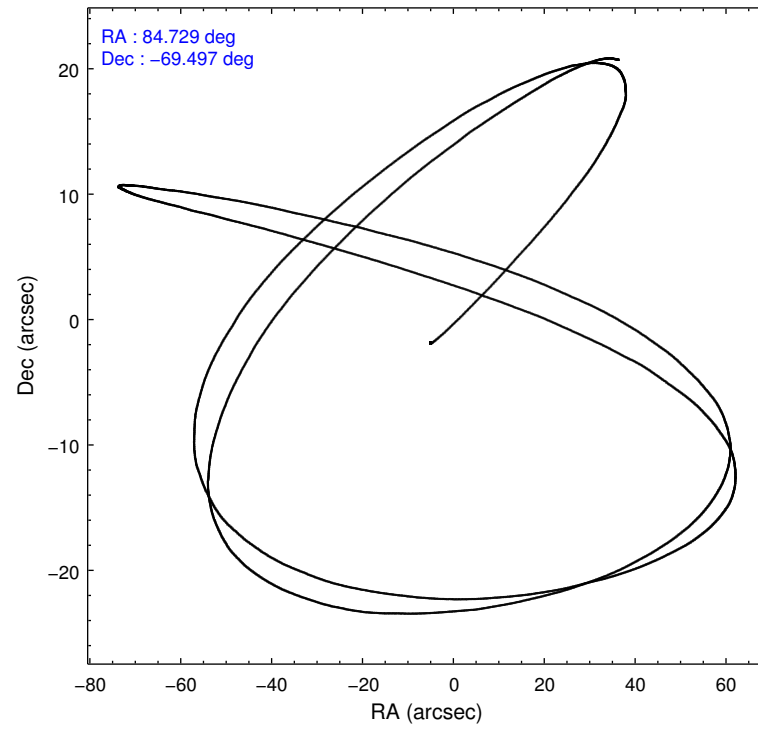
Level 1 Events

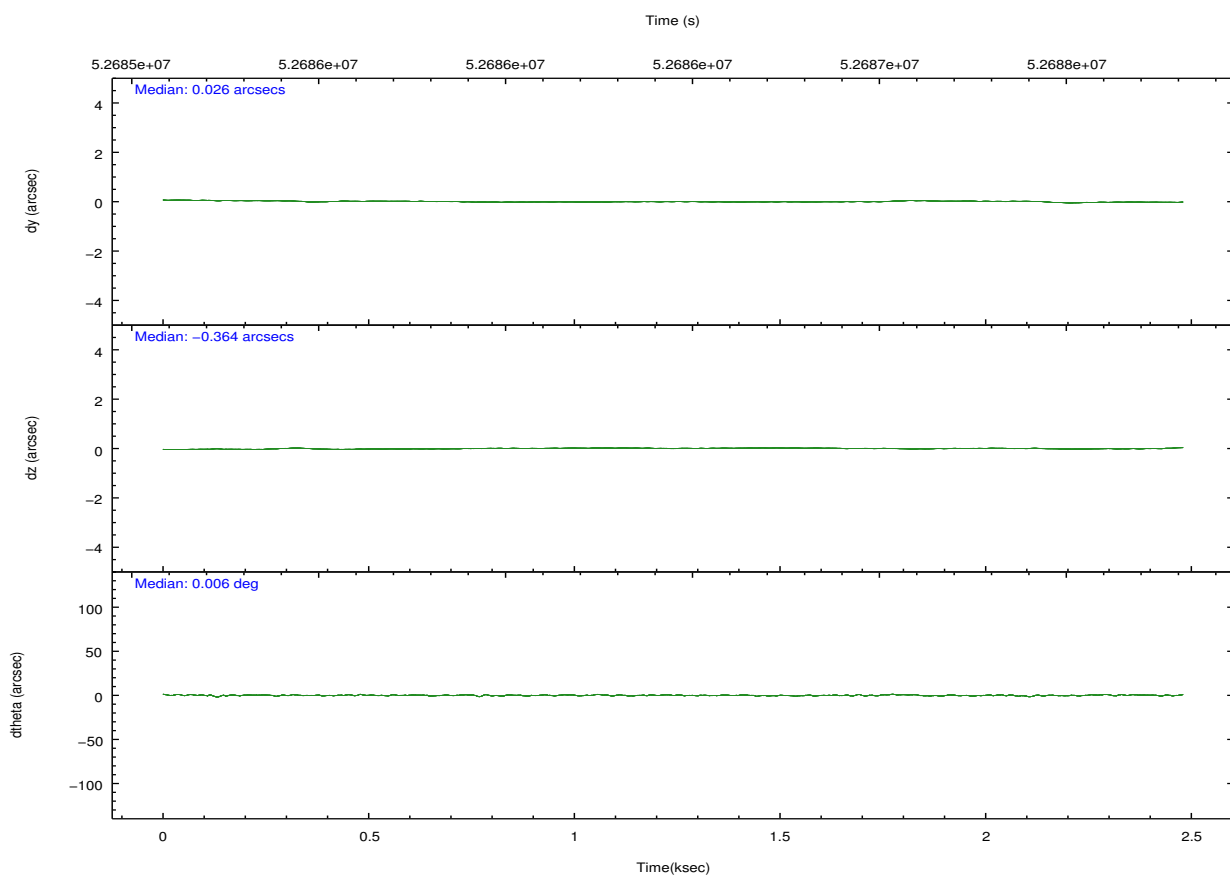
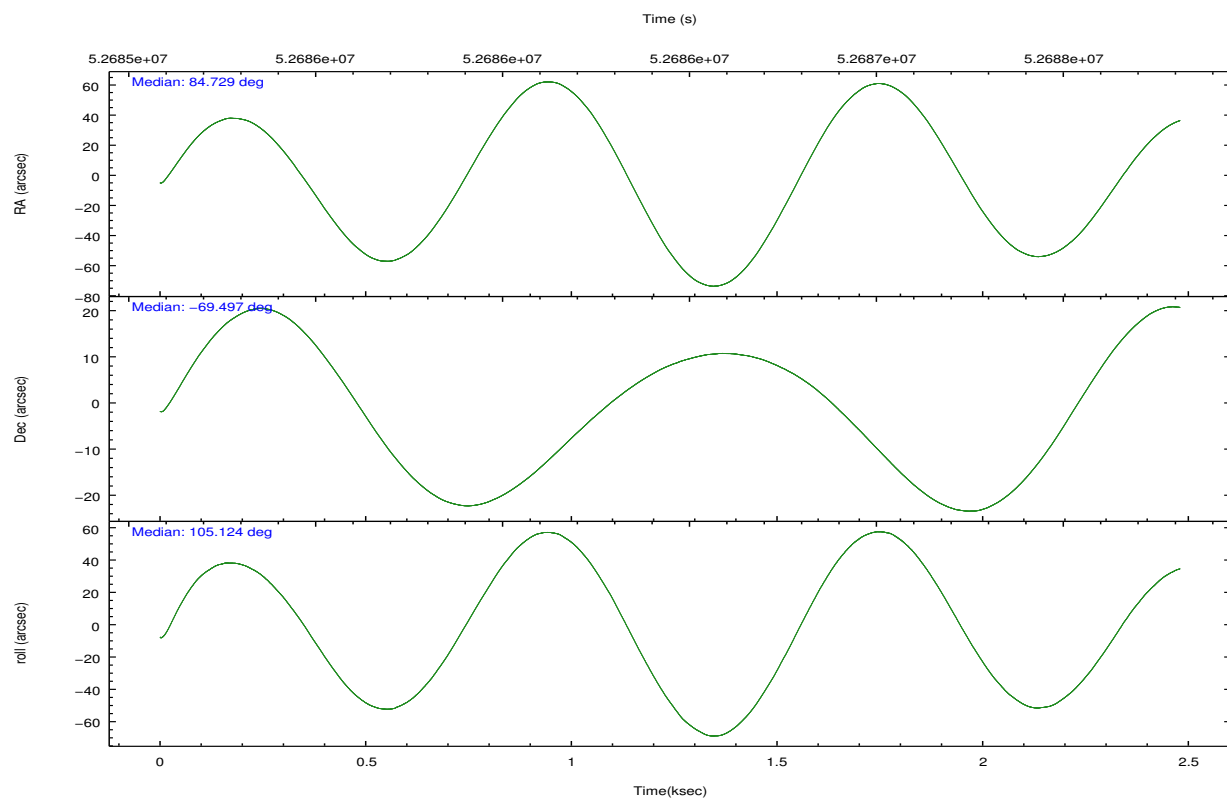
	segment 0
level 1 events	130673
rejected events	3742
rejected %	2%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	84.782709	84.72750573270871			
Pointing Dec	-69.517026	-69.49723499344888			
Pointing Roll	105.275323	105.1281197949466			
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	52685688.184000	52684744.392843			
Observation start date	1999-09-02T18:53:44	1999-09-02T18:39:04			
Observation end time	52687688.184000	52687821.442953			
Observation end date	1999-09-02T19:27:04	1999-09-02T19:30:21			

2.3 Aspect



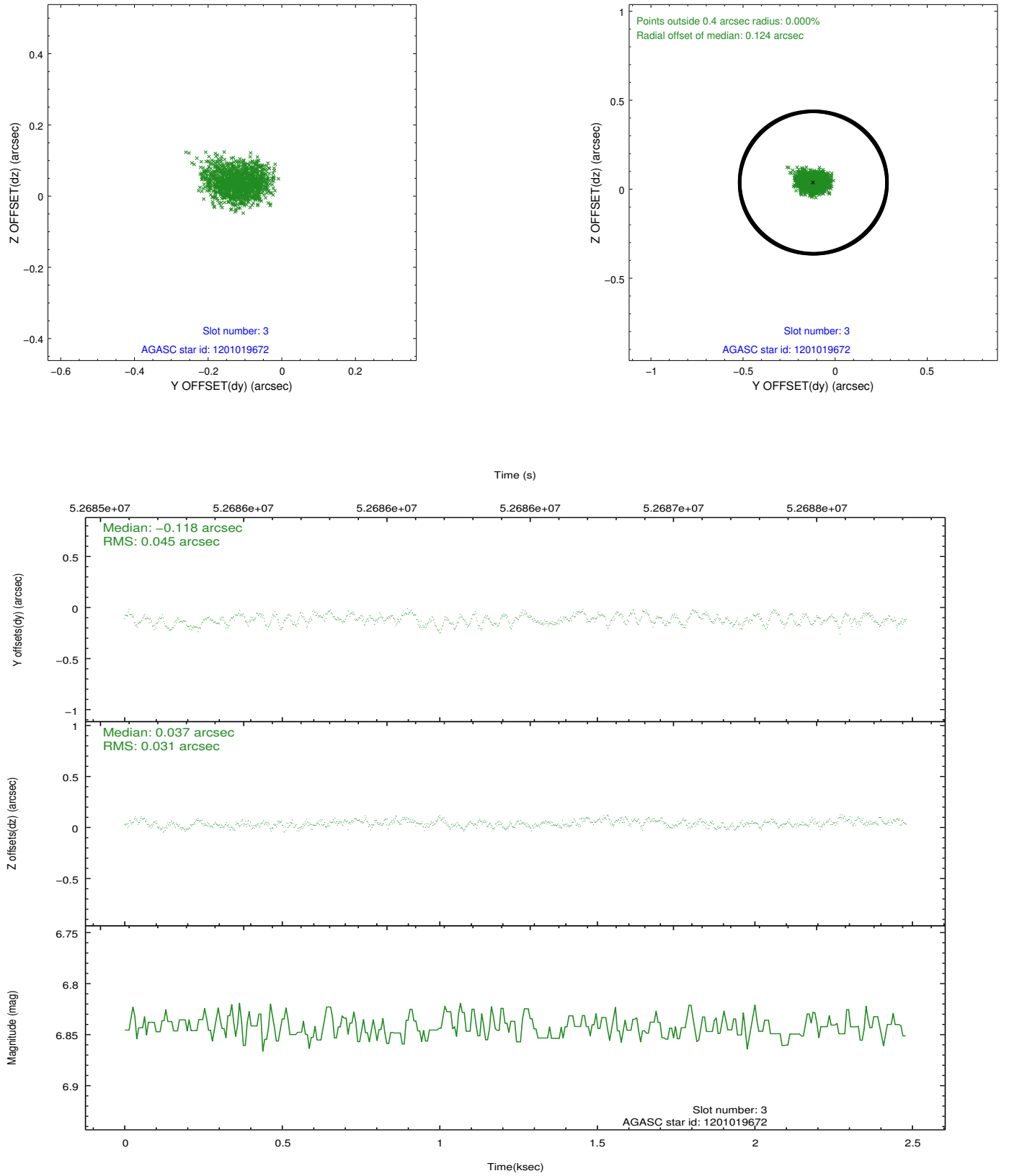


Slot Statistics

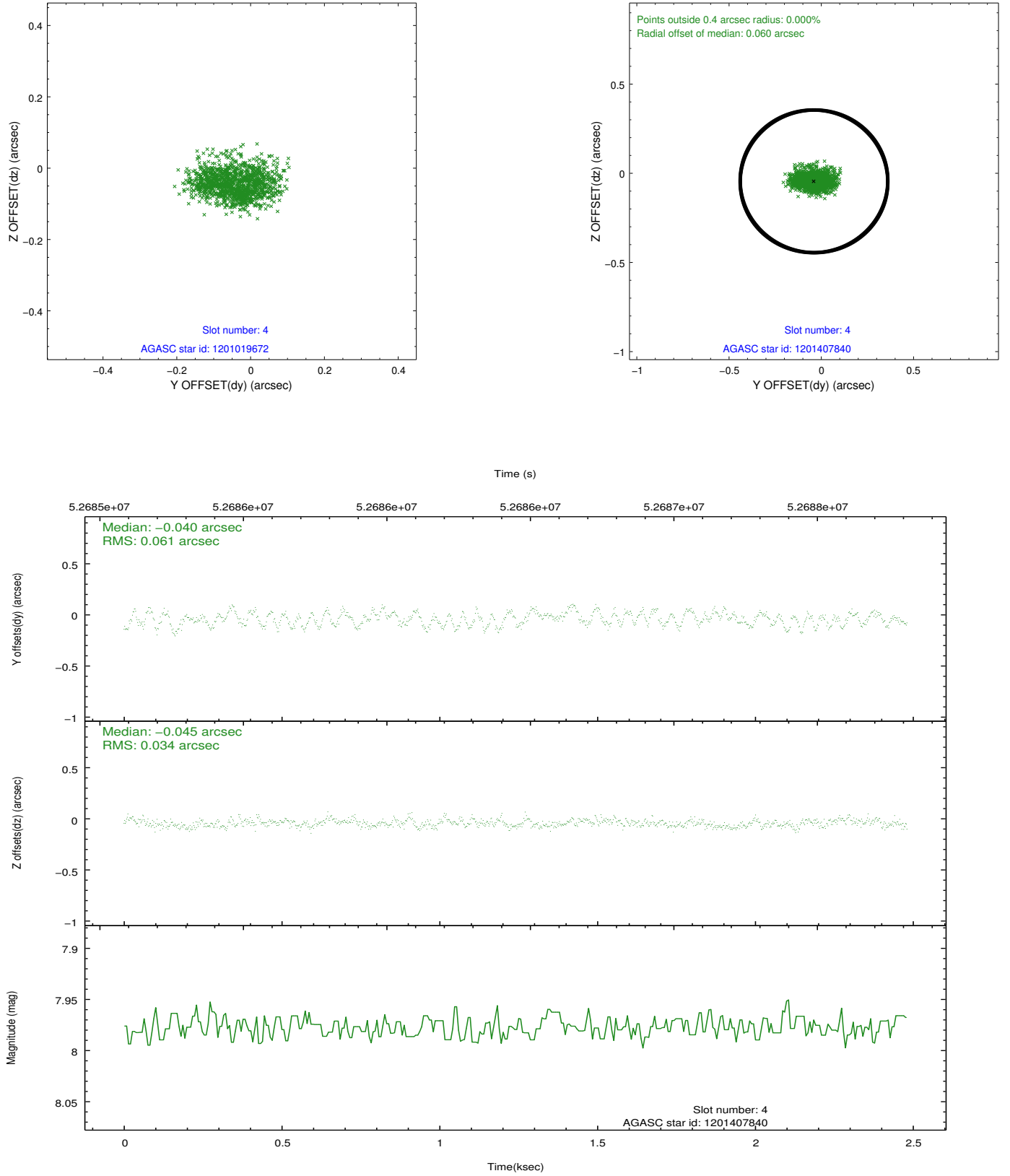
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1210	-0.011	-0.067	0.006	0.010	0.000000	0.000000	-755.35	-1287.39
1	FID	HRC-I-3	7.04	1210	0.061	-0.043	0.006	0.011	0.000000	0.000000	-1184.49	1016.05
2	FID	HRC-I-4	6.98	1210	0.064	0.021	0.005	0.008	0.000000	0.000000	1286.37	1015.75
3	GUIDE	1201019672	6.84	1210	-0.118	0.037	0.058	0.092	85.312192	-68.770187	2407.63	-1371.98
4	GUIDE	1201407840	7.98	1210	-0.040	-0.045	0.074	0.120	83.696303	-70.172201	-1936.80	1904.12
5	GUIDE	1200883536	9.90	1207	0.083	-0.026	0.107	0.171	83.119228	-69.218429	1565.89	1776.82
6	GUIDE	1201017424	10.21	1207	0.025	0.024	0.133	0.232	85.854985	-69.248506	560.83	-1568.10
7	GUIDE	1201540568	9.97	1208	0.049	0.004	0.119	0.189	85.901764	-70.070643	-2297.26	-796.57

2.4 Star Slots

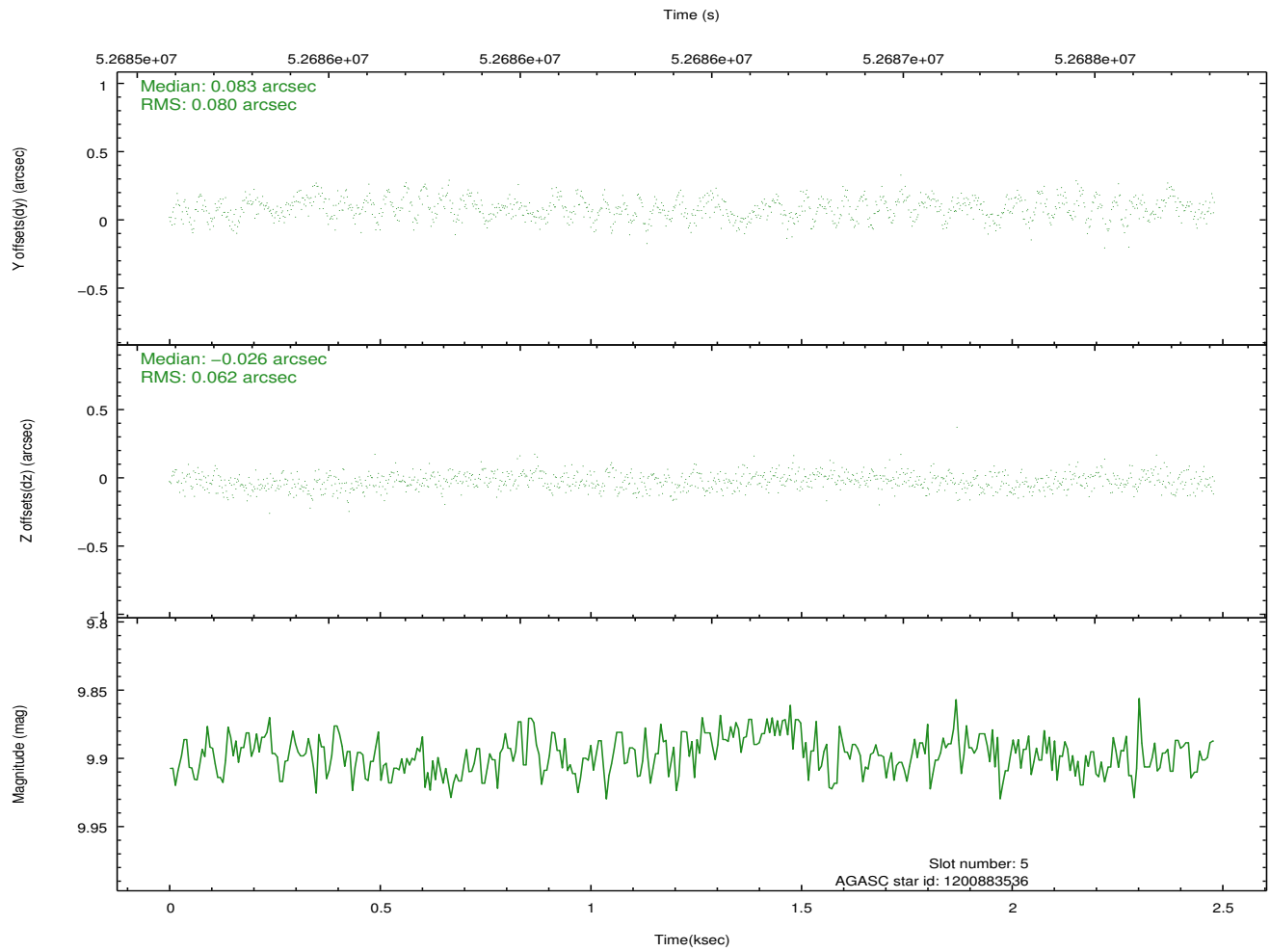
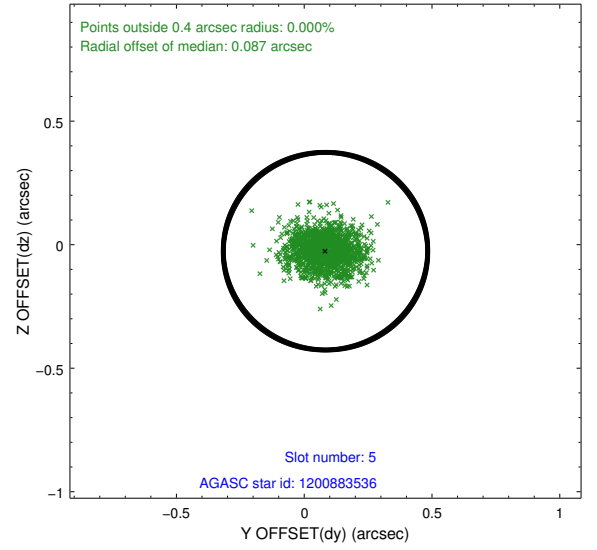
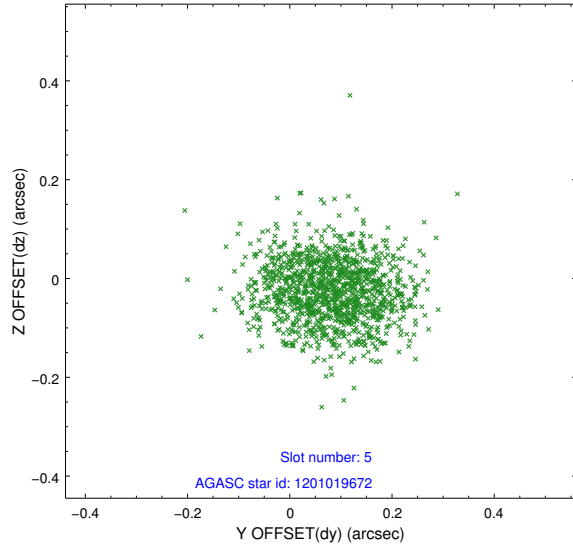
2.4.1 Slot 3



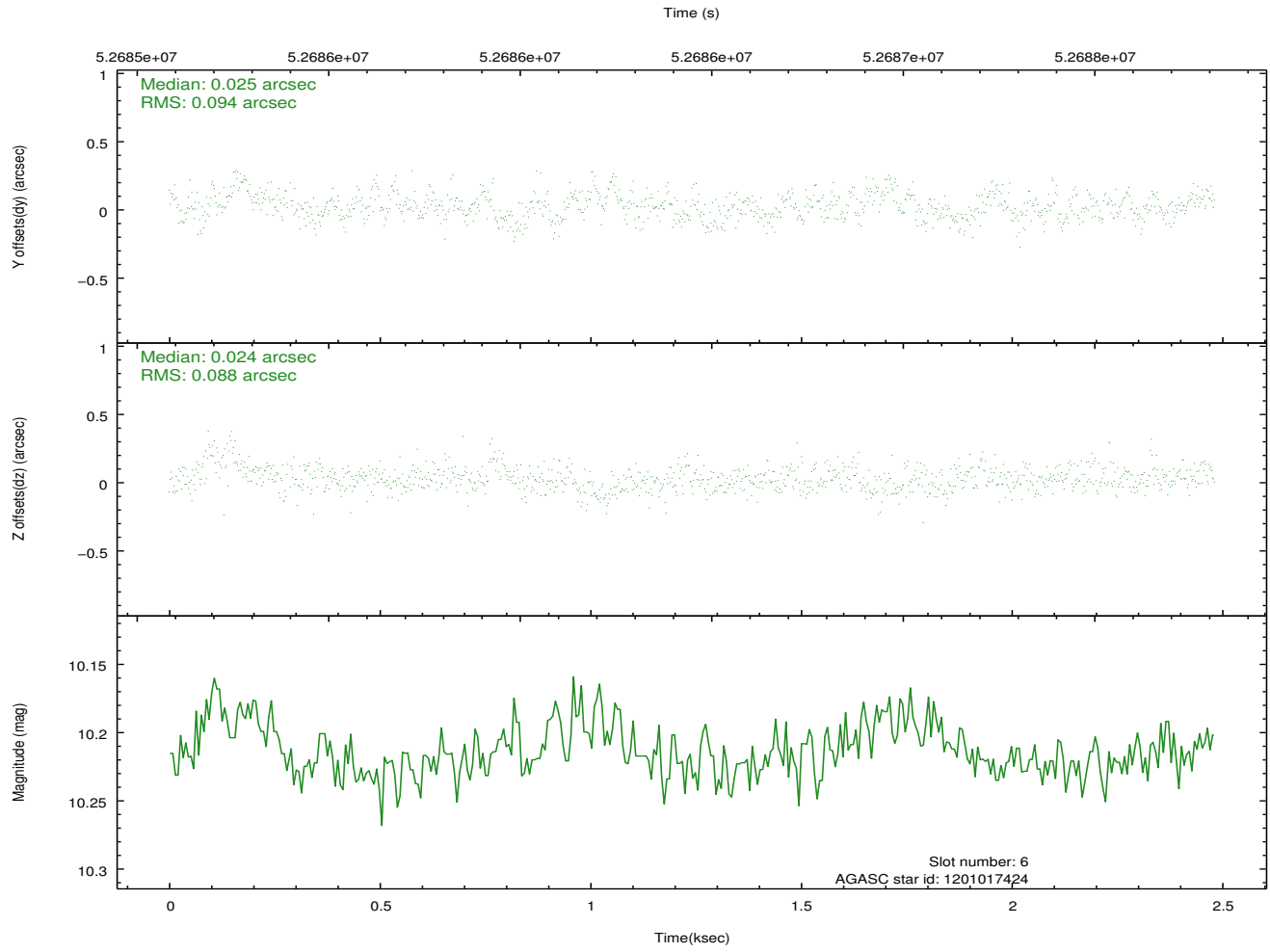
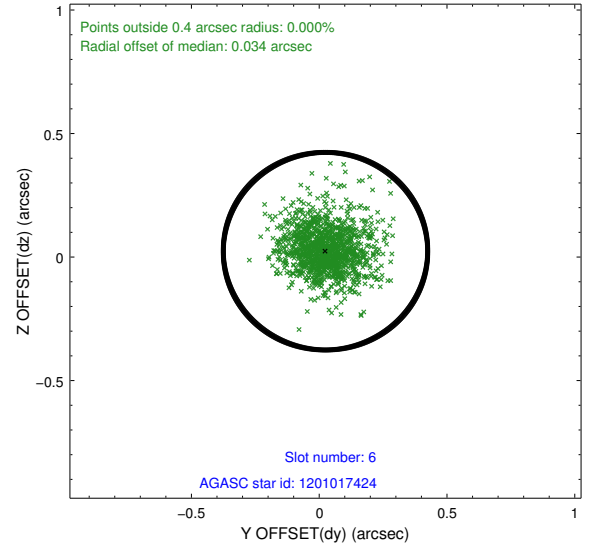
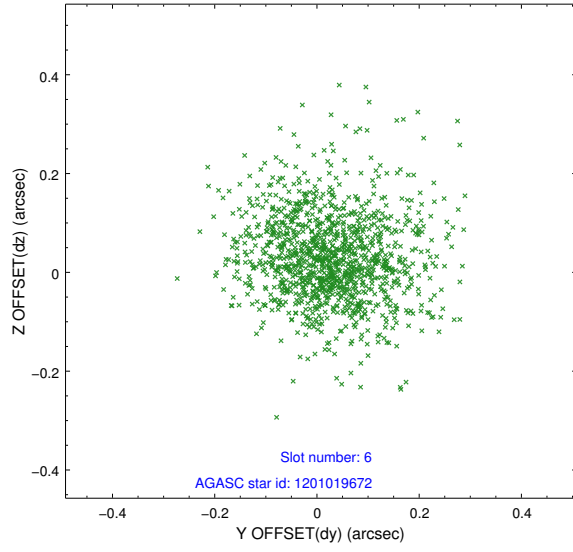
2.4.2 Slot 4



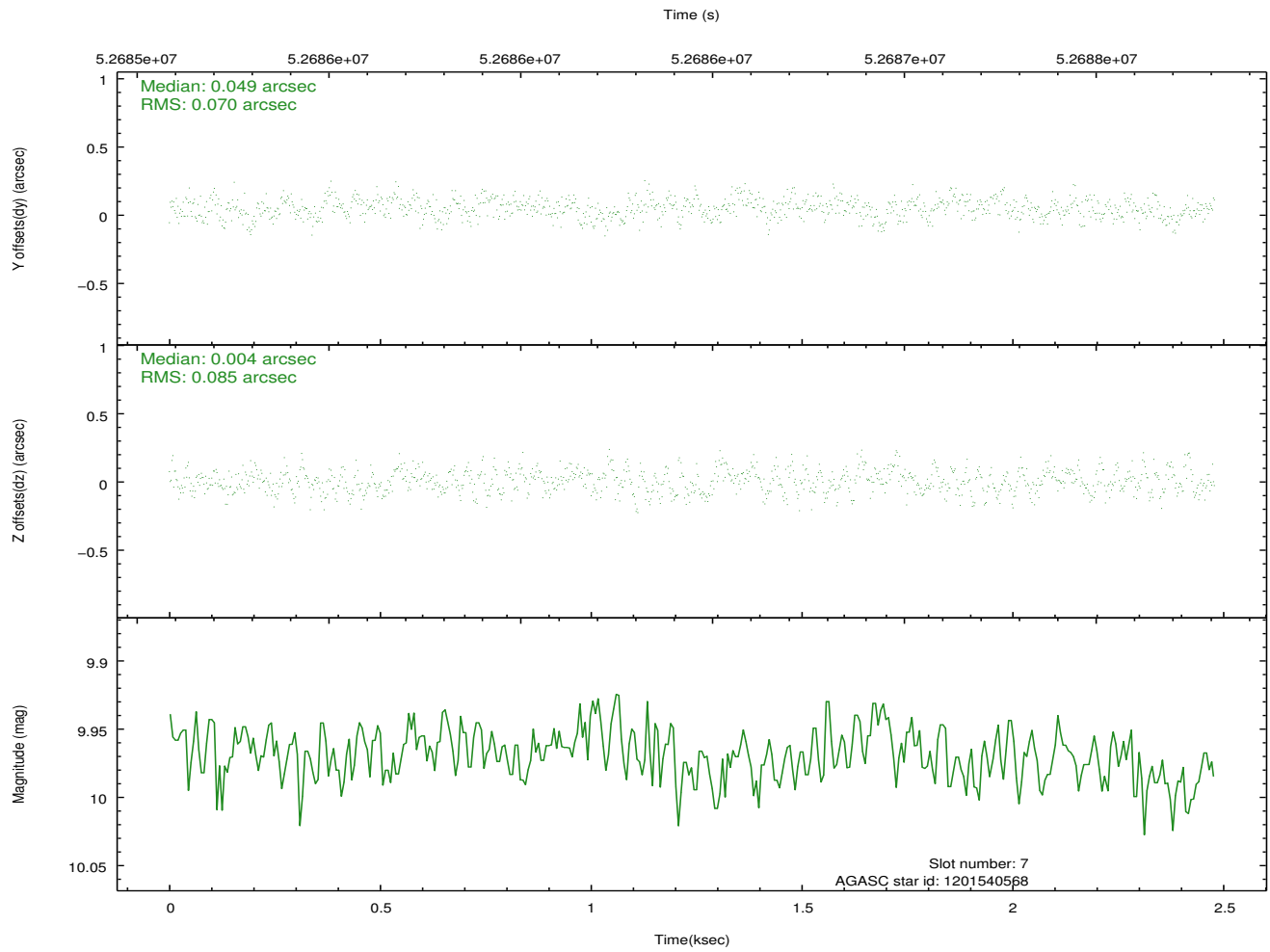
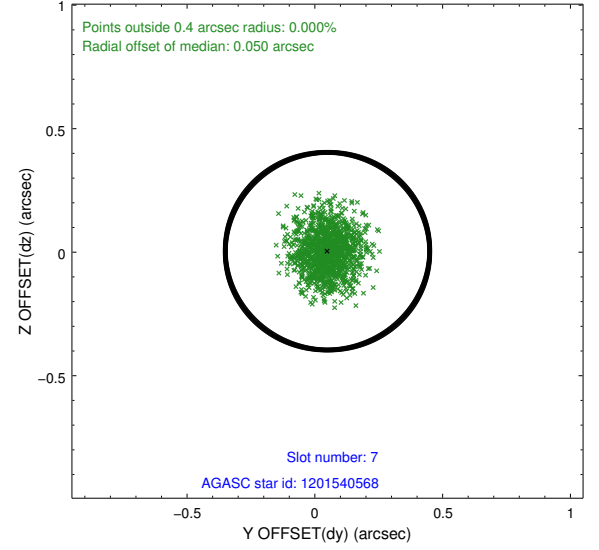
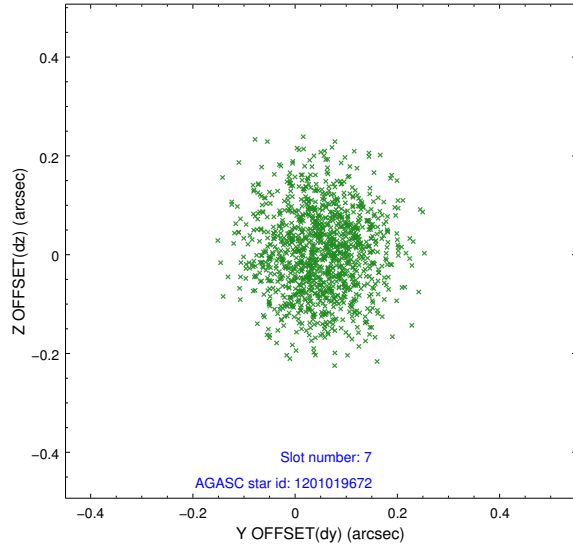
2.4.3 Slot 5



2.4.4 Slot 6

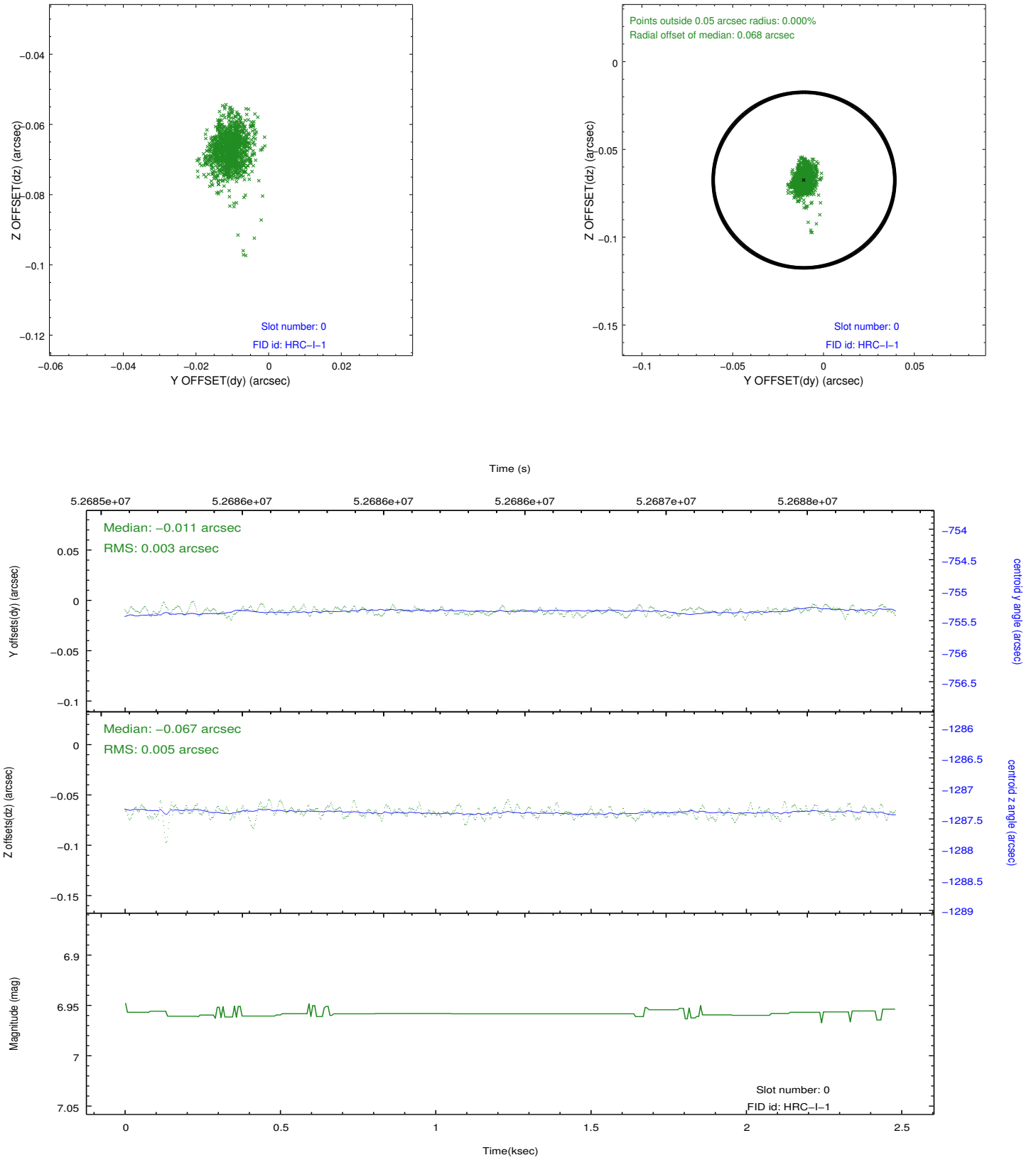


2.4.5 Slot 7

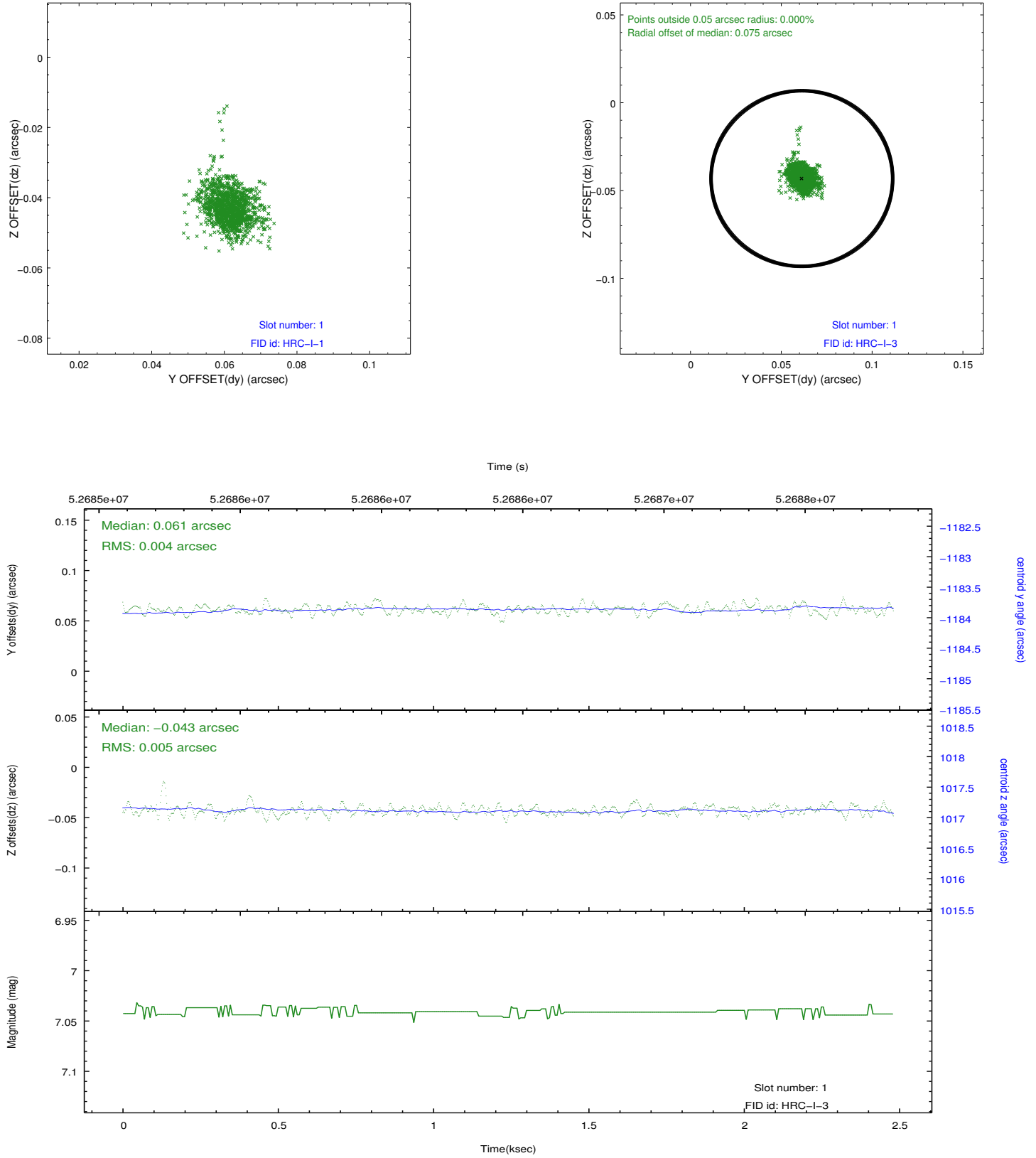


2.5 FID Slots

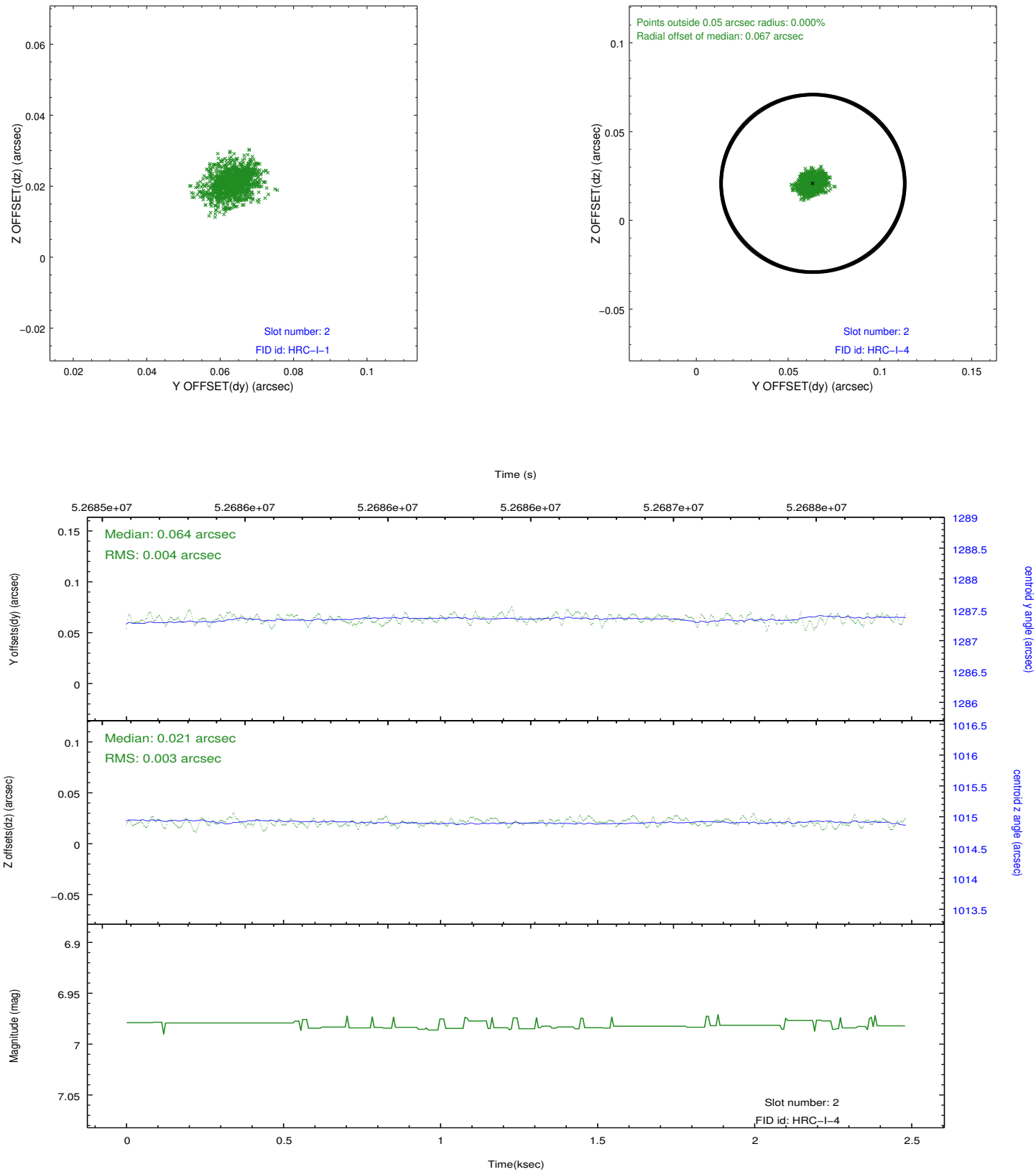
2.5.1 Slot 0



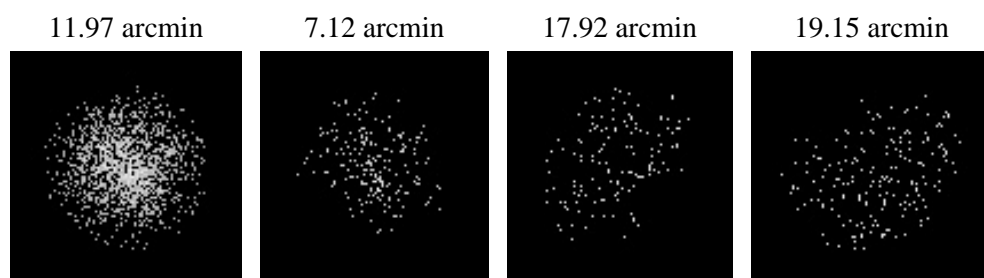
2.5.2 Slot 1



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	1.791

A.2 Comments

HRC boresight and plate scale calibration. Target very off-axis.