

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1134 - L2 Version 5

Chandra X-Ray Center

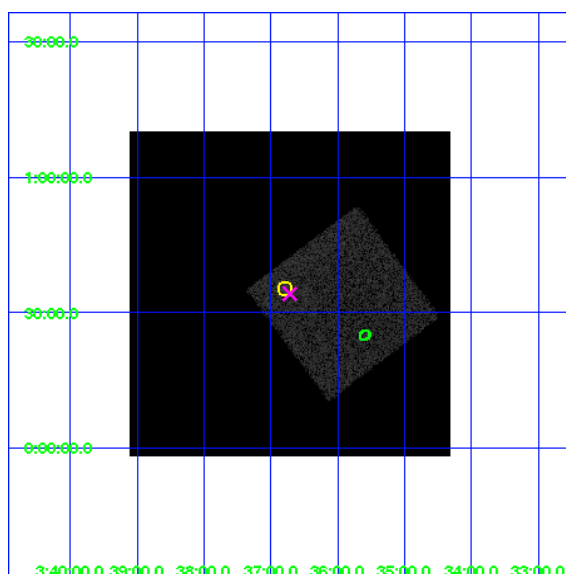
L2 Processing Date : Jan 12 2010

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1 Front

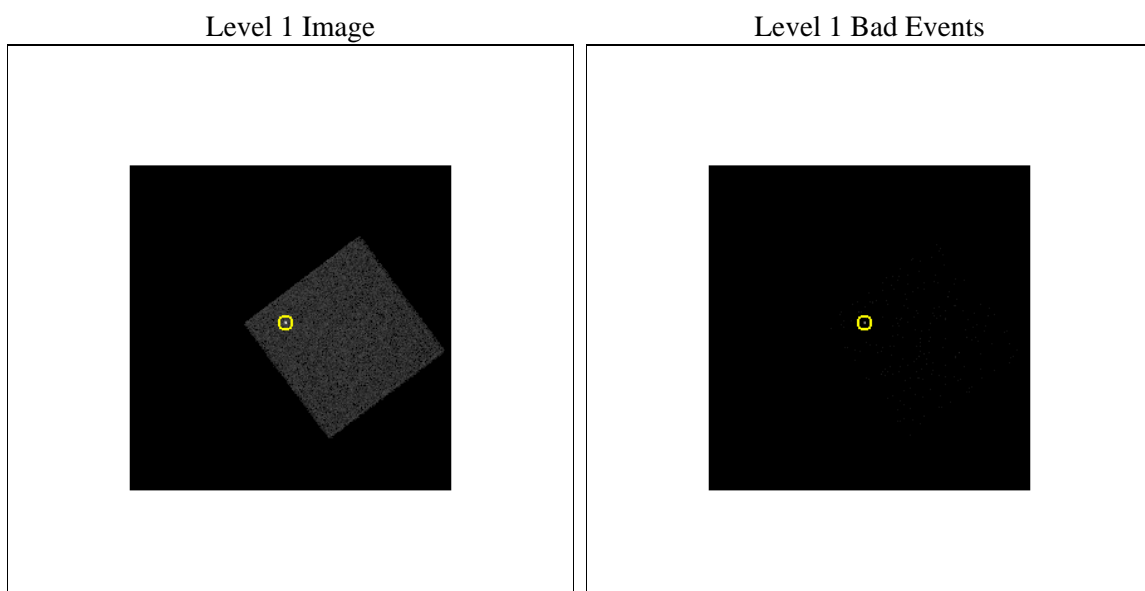
seq_num	280084	Sequence number
obs_id	1134	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.178557506678	Nominal RA
dec_nom	0.56920223194093	Nominal Dec
roll_nom	98.131875644562	Nominal Roll
revision	5	Processing version of data
ontime	795.65627857298	[s]
livetime	789.0793147177	Ontime multiplied by DTCOR
l2events	33800	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	1000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	795.65627857298	[s]
caldbver	4.1.5	 	l1events	54793	Number of level 1 events
date	2010-01-12T22:30:36	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

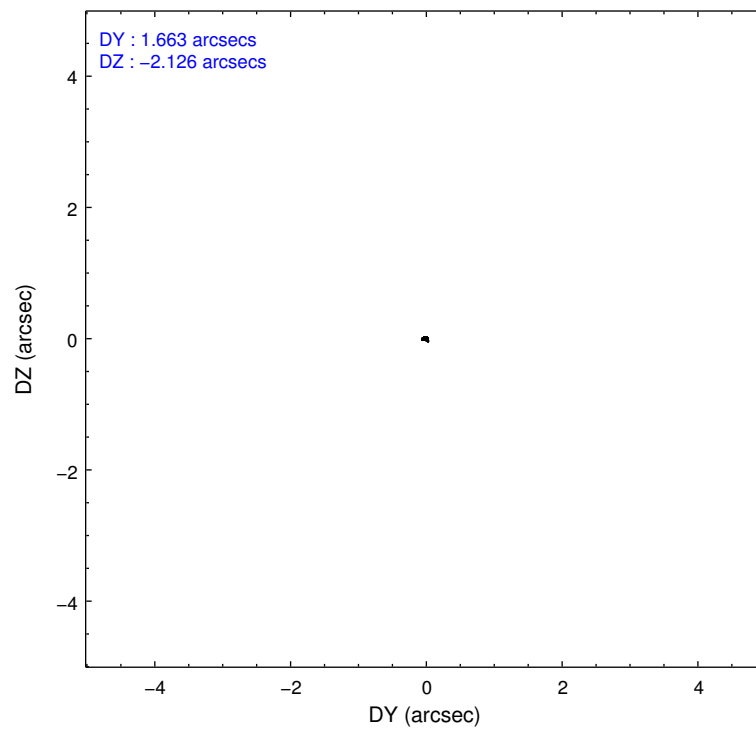
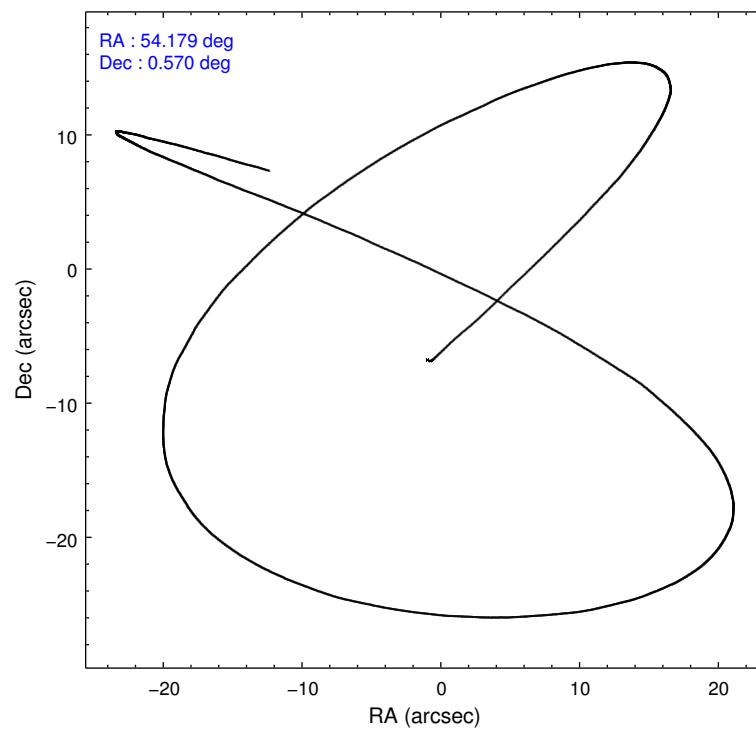
	segment 0
level 1 events	54793
rejected events	3059
rejected %	5%

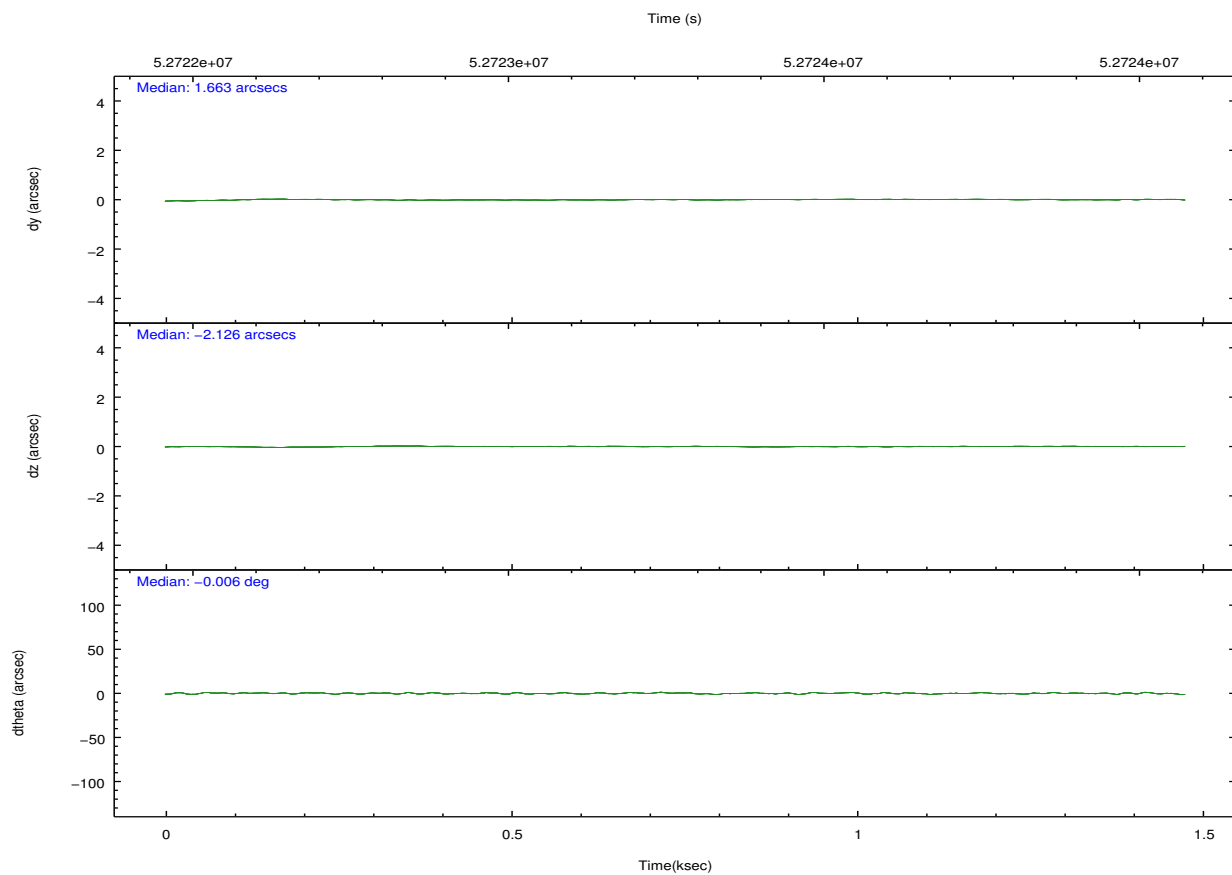
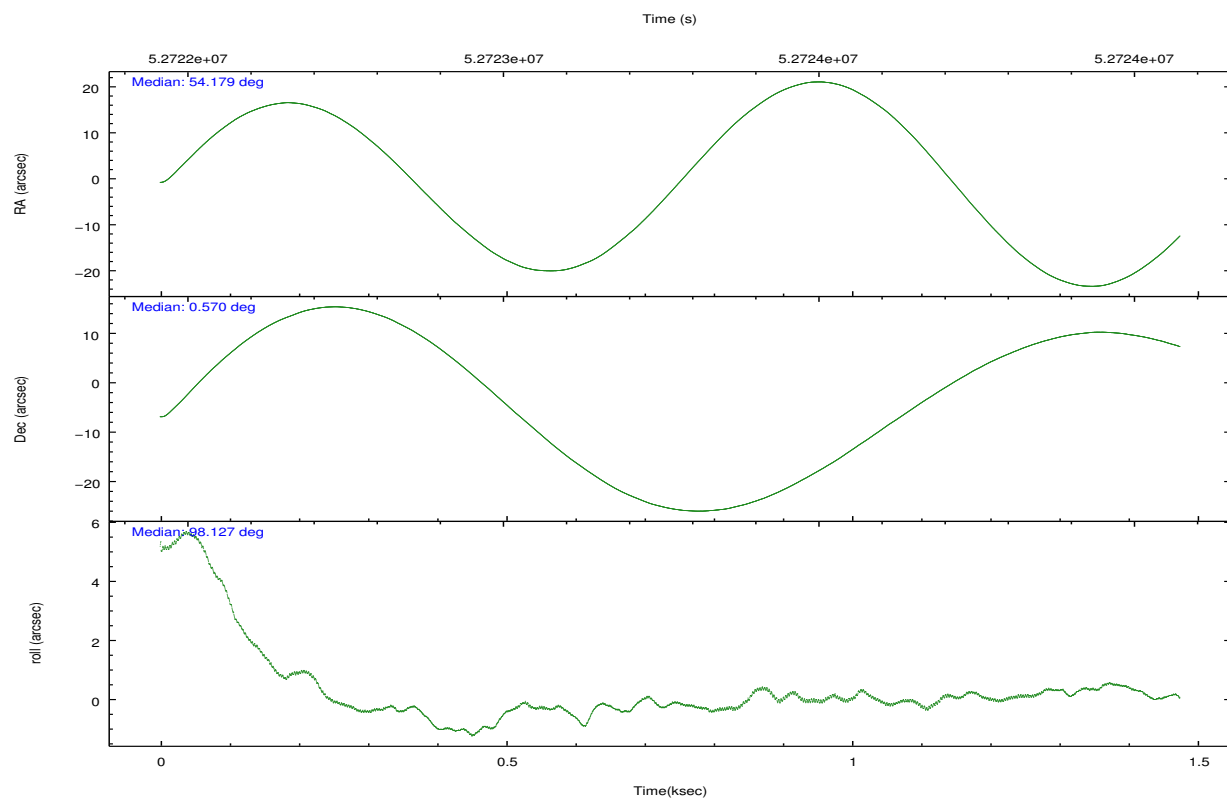
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.195599	54.17855750667849
Pointing Dec	0.546652	0.5692022319409286
Pointing Roll	98.227179	98.1318756445618
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	91.869942	91.86553817309772
SIM translation stage offset (mm)	35.115552	35.11995071850384
Observation start time	52723002.184000	52722335.756693
Observation start date	1999-09-03T05:15:38	1999-09-03T05:05:35
Observation end time	52724002.184000	52724135.656757
Observation end date	1999-09-03T05:32:18	1999-09-03T05:35:35

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

2.3 Aspect



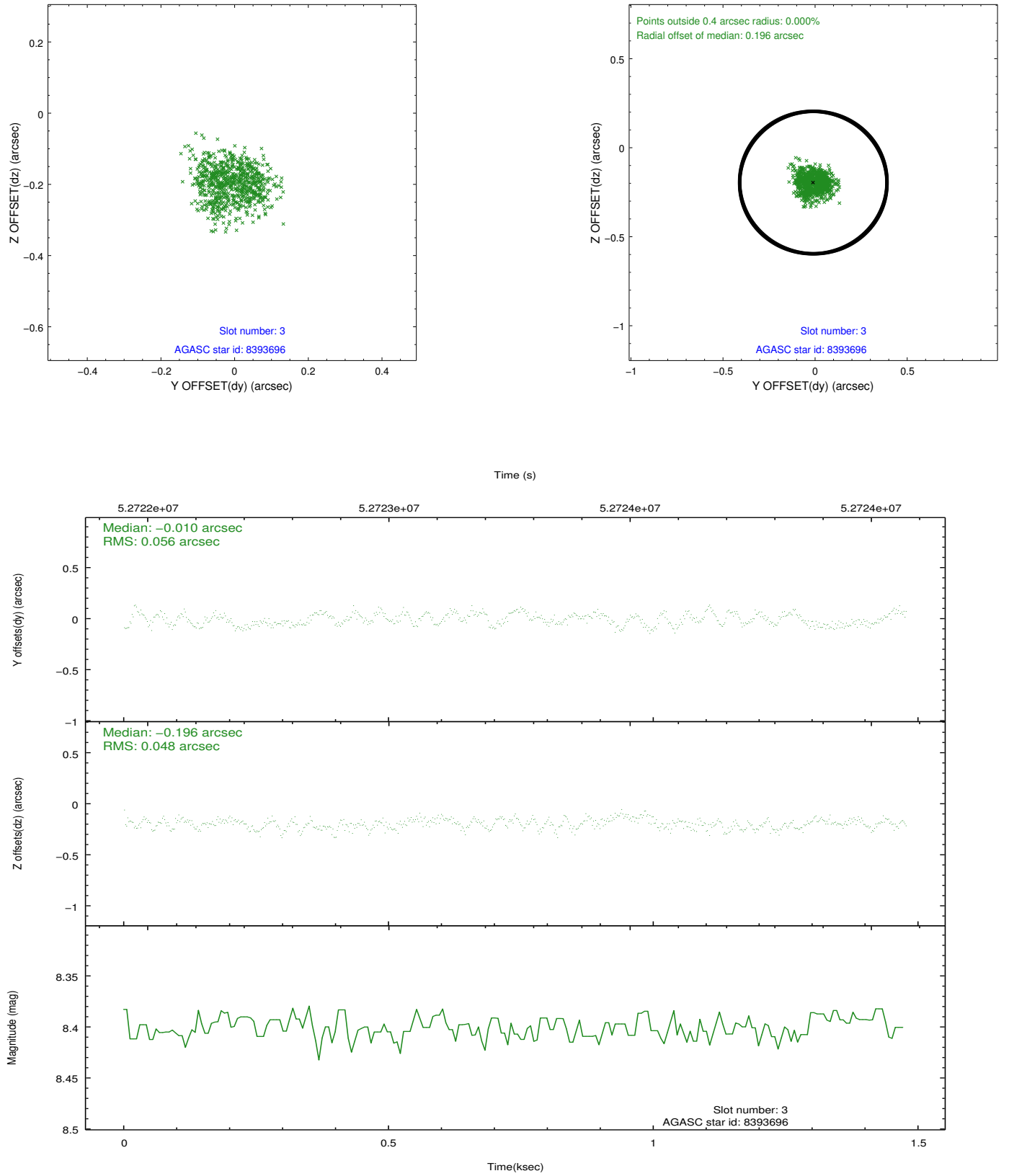


Slot Statistics

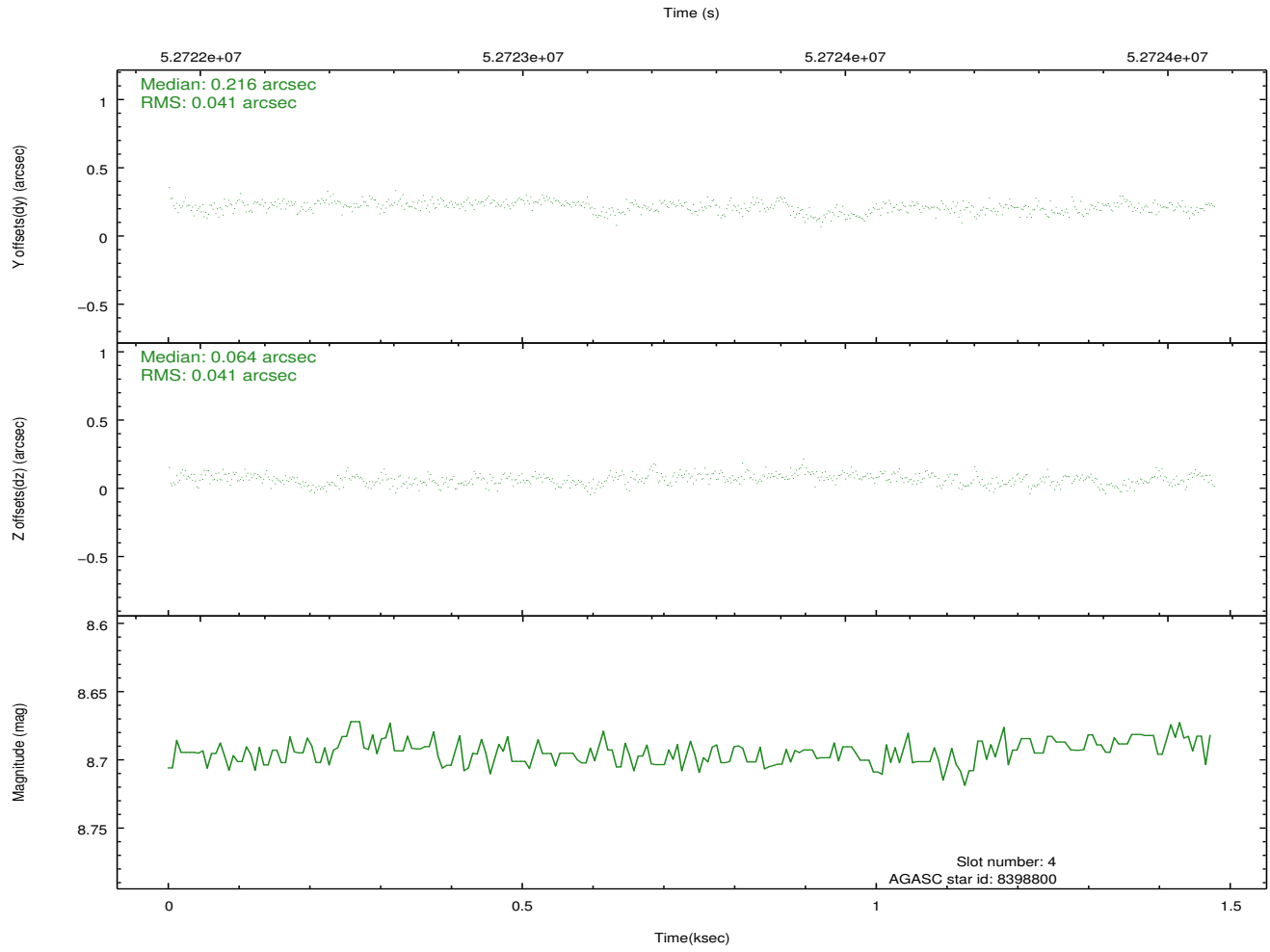
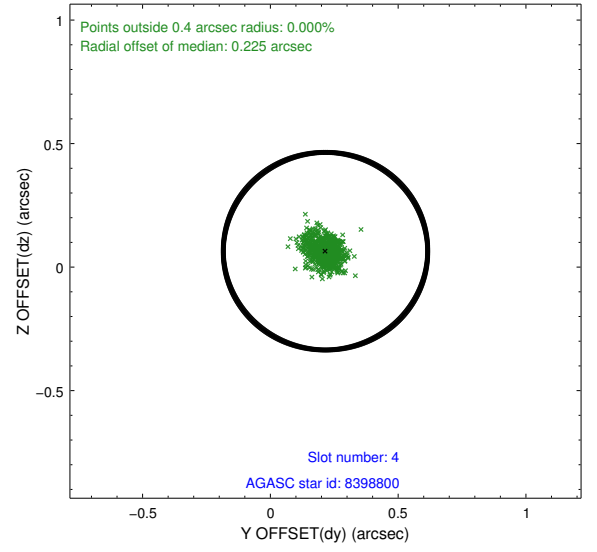
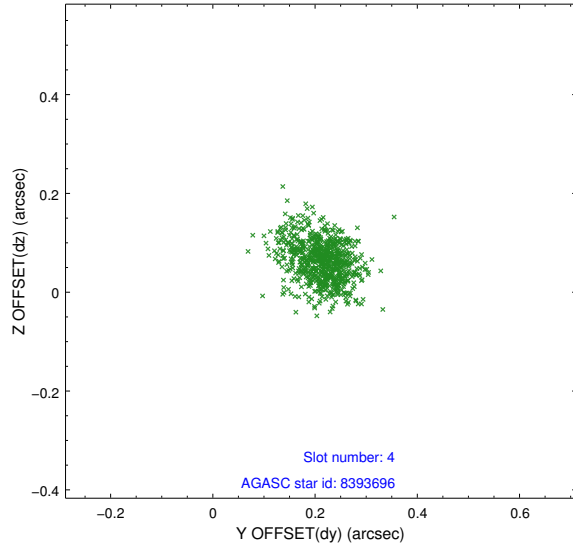
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	721	-0.267	-0.135	0.007	0.013	0.000000	0.000000	-755.81	-567.59
1	FID	HRC-I-3	7.01	721	0.251	-0.226	0.007	0.012	0.000000	0.000000	-1187.43	1739.75
2	FID	HRC-I-4	6.87	721	0.131	0.270	0.005	0.009	0.000000	0.000000	1283.07	1741.66
3	GUIDE	8393696	8.40	721	-0.010	-0.196	0.079	0.122	53.645666	0.680479	756.05	1890.11
4	GUIDE	8398800	8.69	720	0.216	0.064	0.061	0.102	54.242352	0.922024	1310.66	-357.18
5	GUIDE	8390744	9.02	721	-0.049	-0.100	0.072	0.121	53.677290	0.926294	1617.37	1650.41
6	BAD	8395104	8.66	650	-0.121	0.190	0.080	0.119	54.744893	0.796520	604.43	-2084.99
7	GUIDE	8399352	9.96	720	-0.050	0.063	0.122	0.205	53.946831	1.204693	2469.48	544.53

2.4 Star Slots

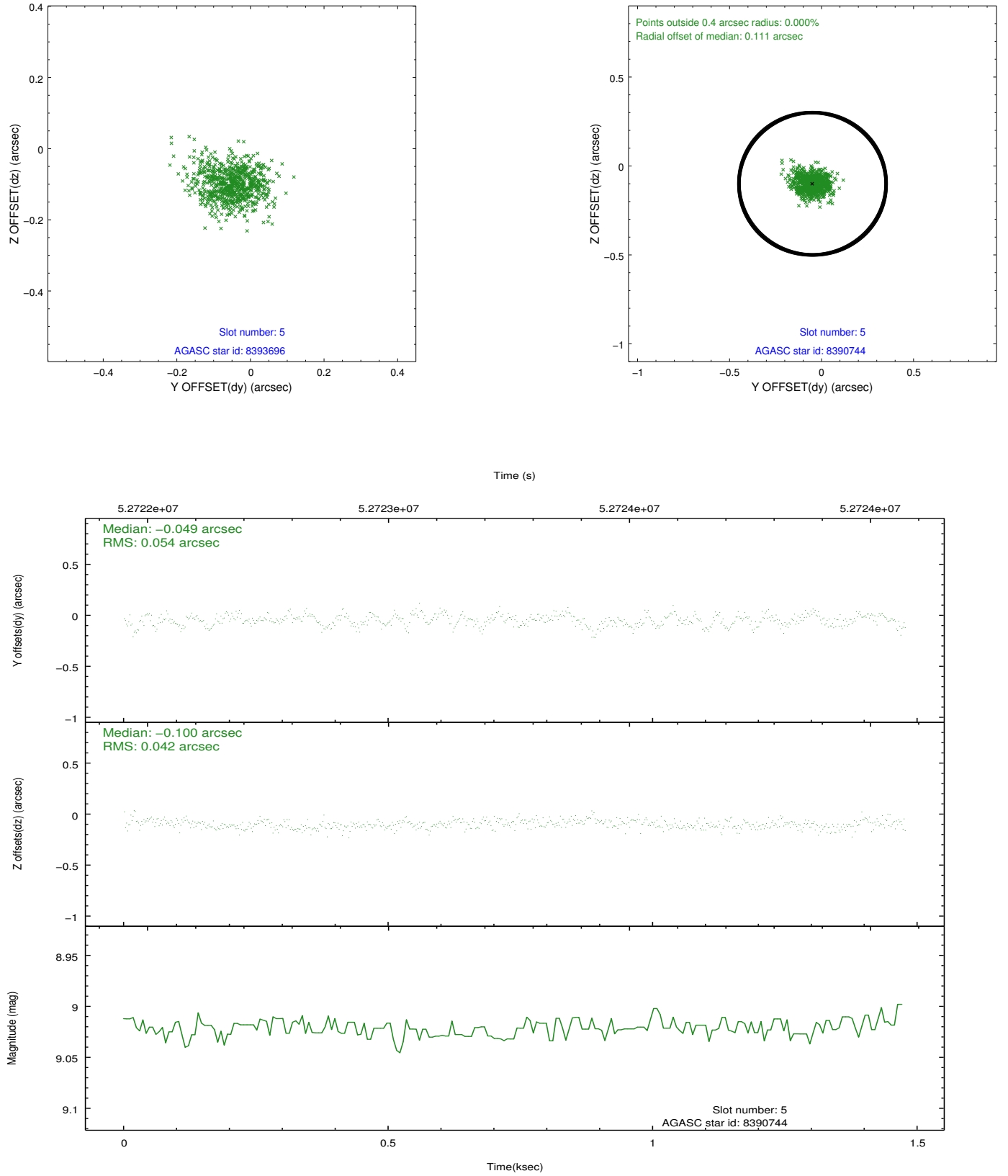
2.4.1 Slot 3



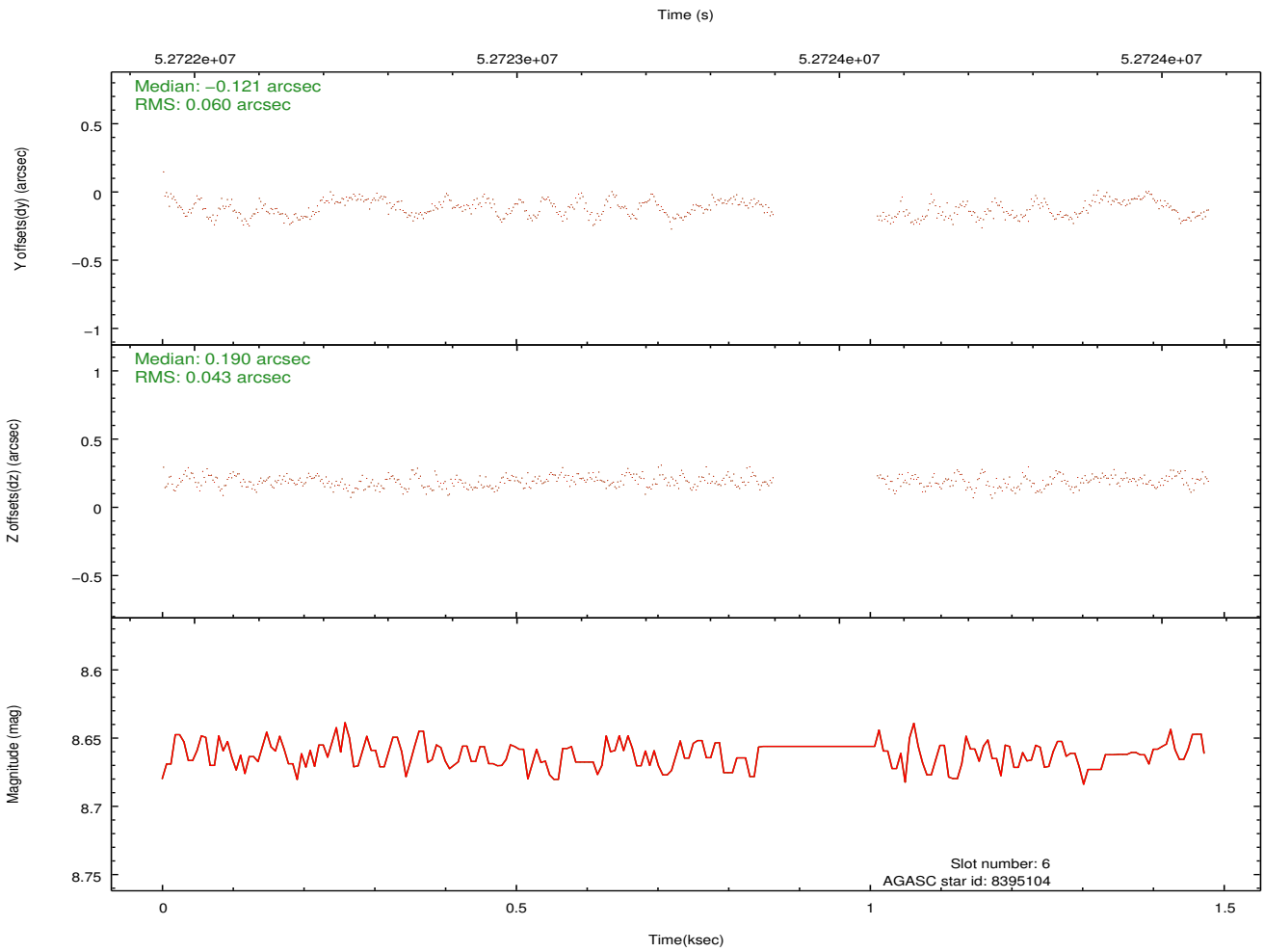
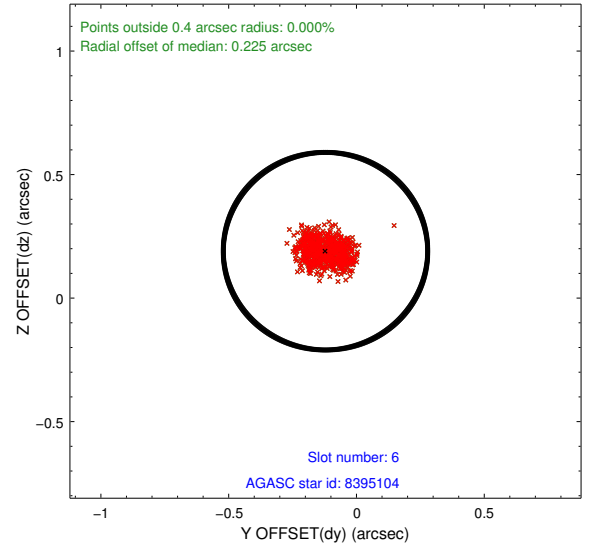
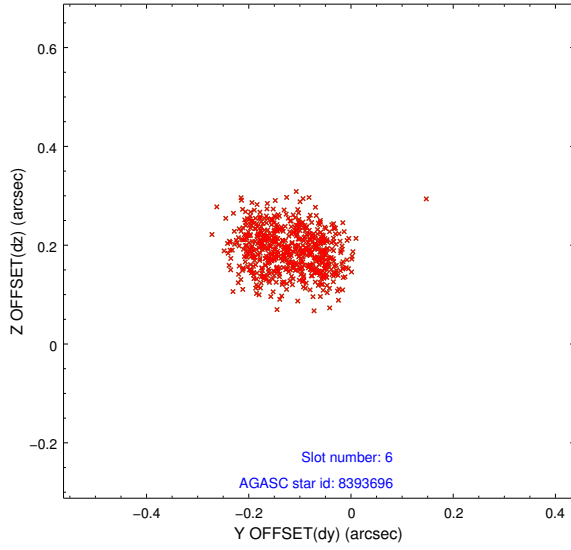
2.4.2 Slot 4



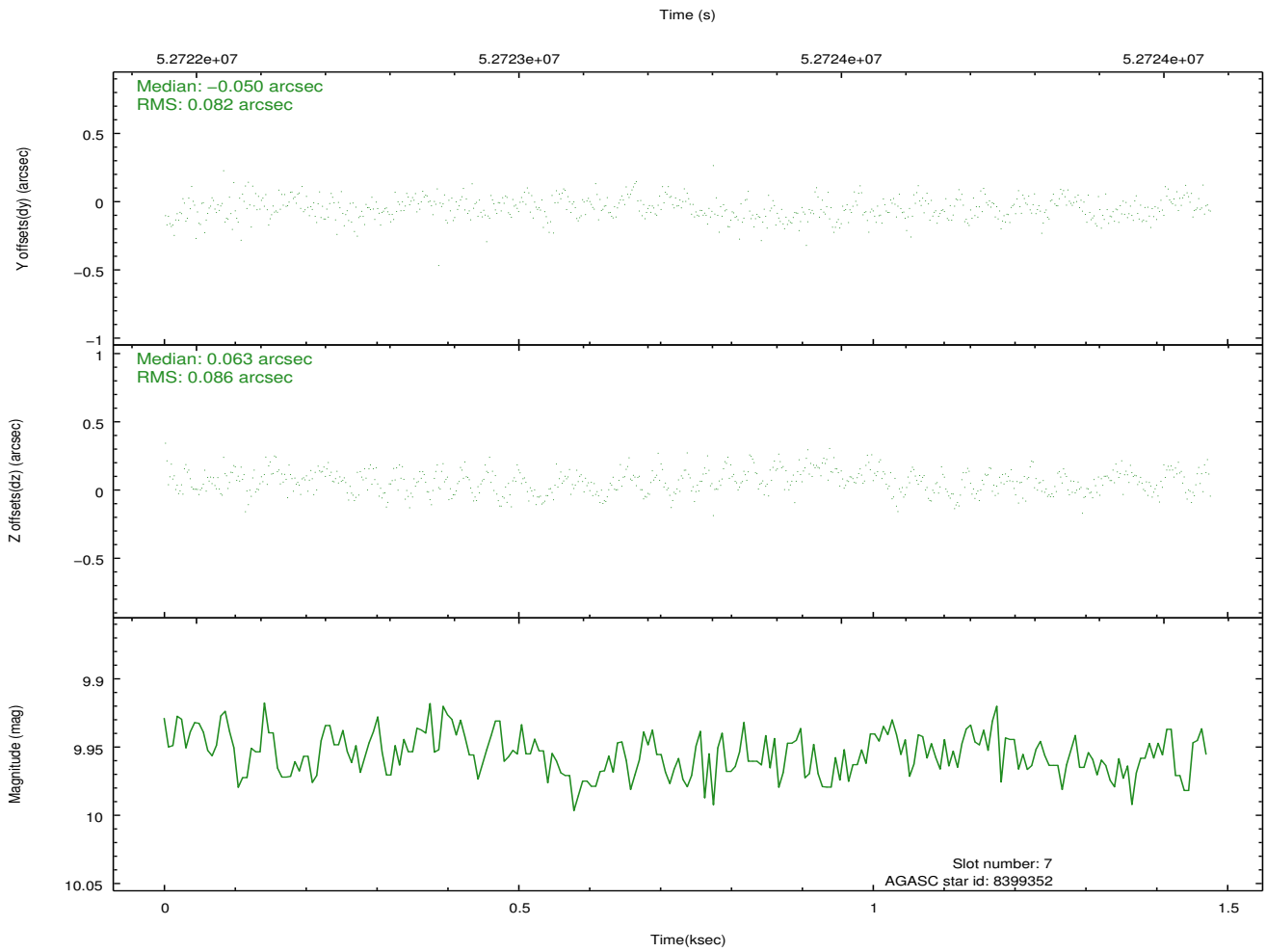
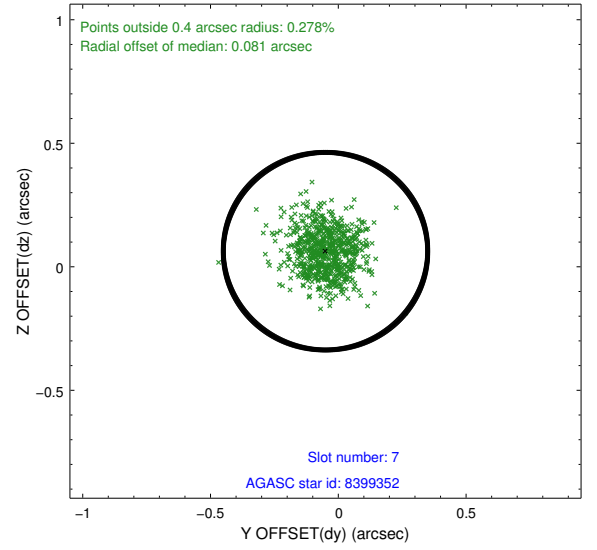
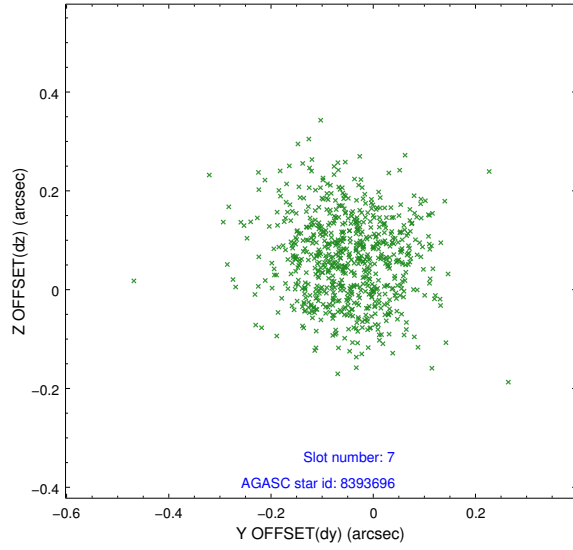
2.4.3 Slot 5



2.4.4 Slot 6

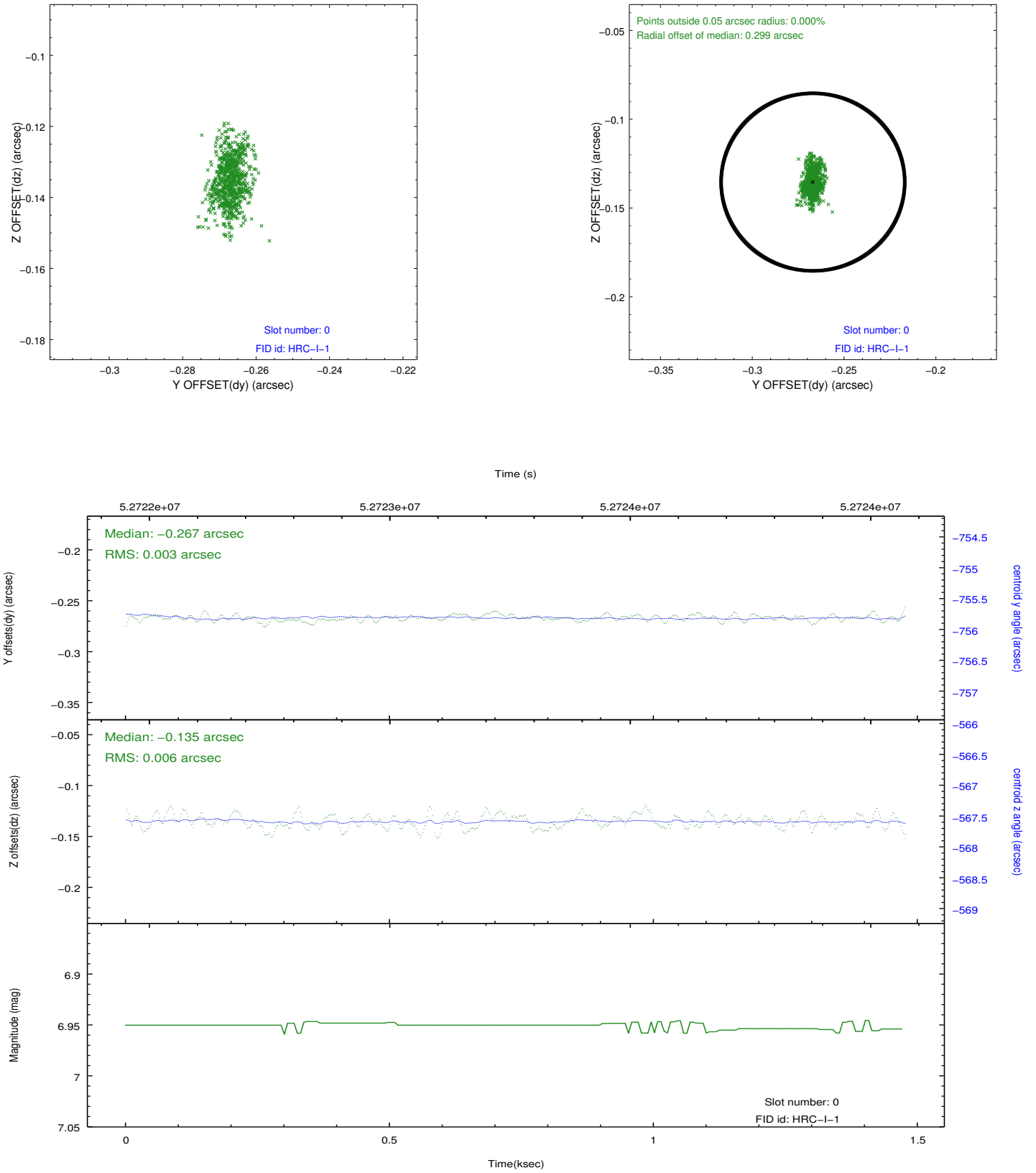


2.4.5 Slot 7

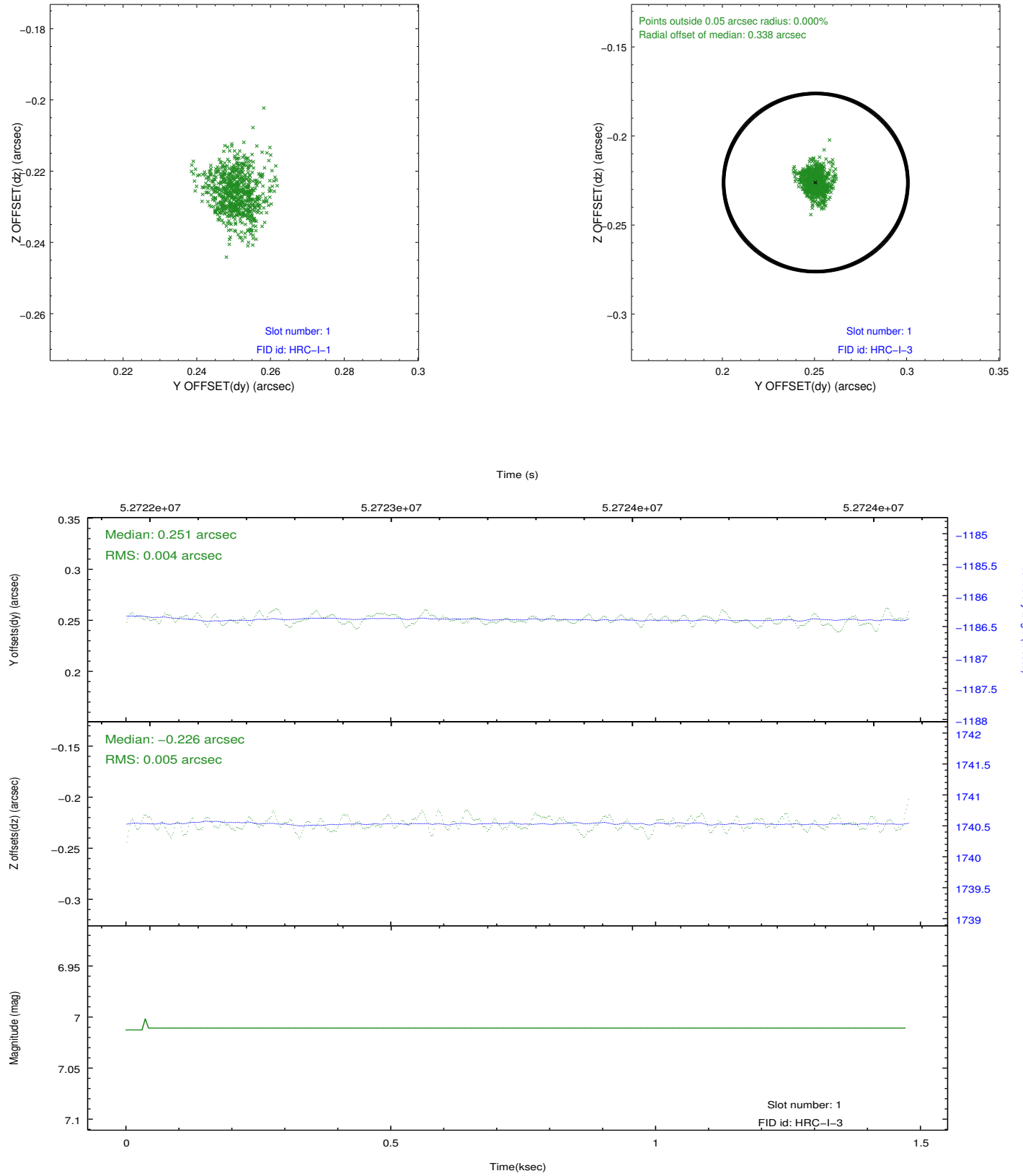


2.5 FID Slots

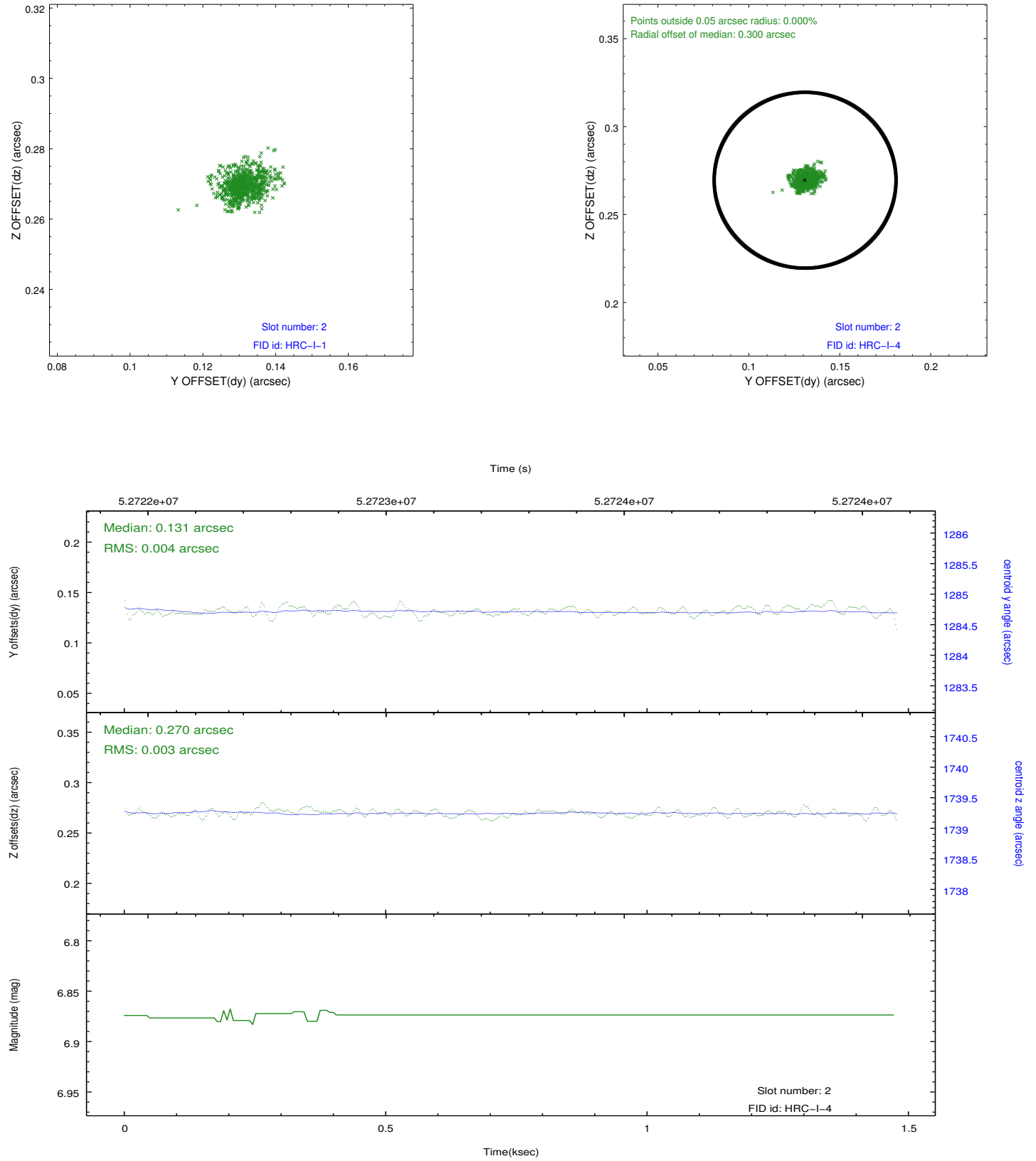
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

19.28 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.795

A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.

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The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.