

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1294 - L2 Version 3

Chandra X-Ray Center

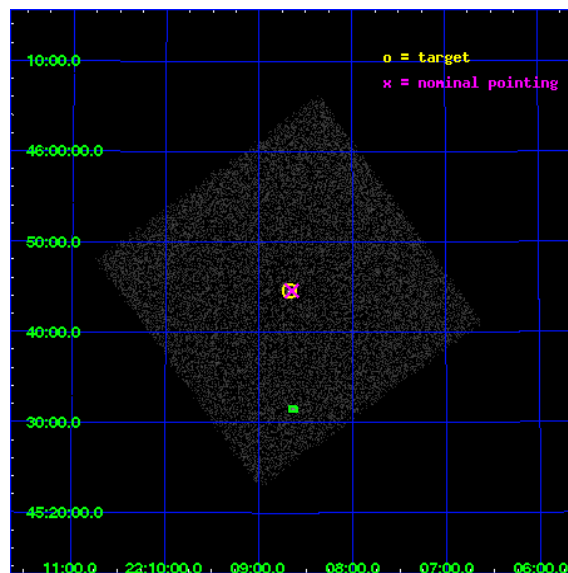
L2 Processing Date : Jan 12 2010

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1 Front

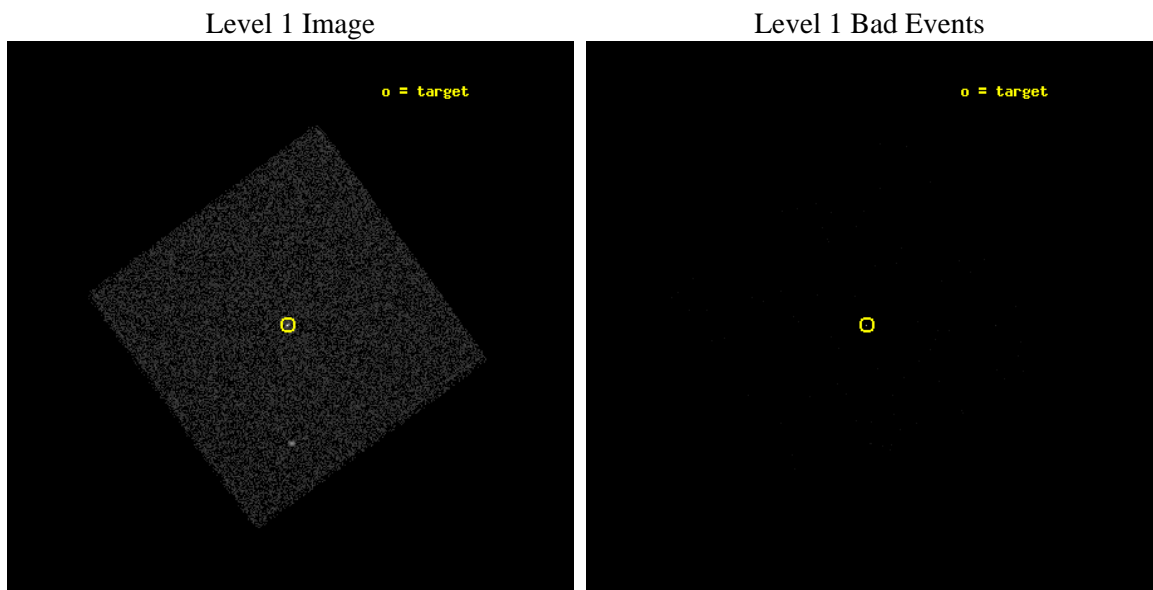
seq_num	280244	Sequence number
obs_id	1294	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.16178706071	Nominal RA
dec_nom	45.743411262893	Nominal Dec
roll_nom	188.95259614881	Nominal Roll
revision	3	Processing version of data
ontime	793.6062785089	[s]
livetime	787.69701301719	Ontime multiplied by DTCOR
l2events	25516	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	793.6062785089	[s]
caldbver	4.1.5	 	l1events	45674	Number of level 1 events
date	2010-01-12T15:44:04	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

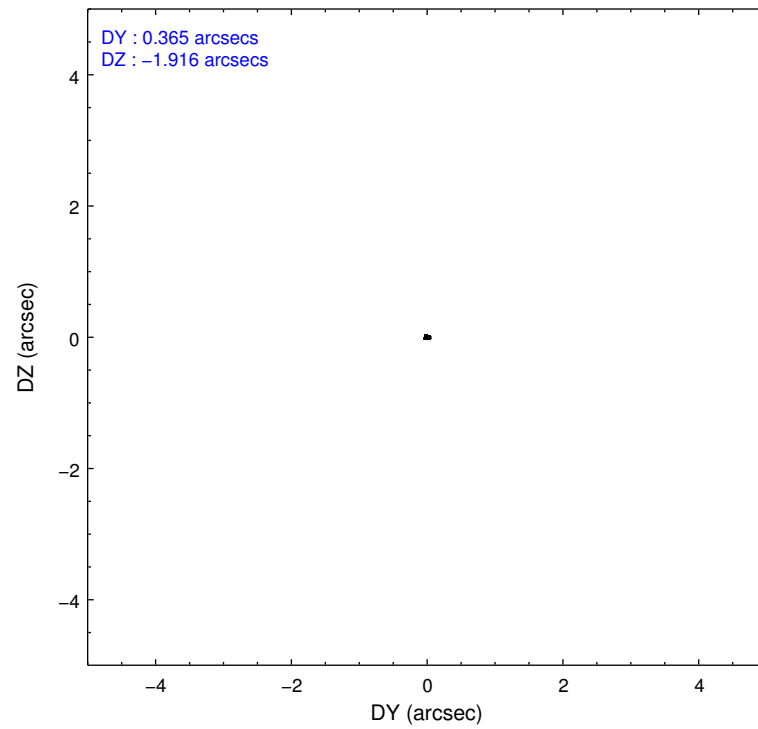
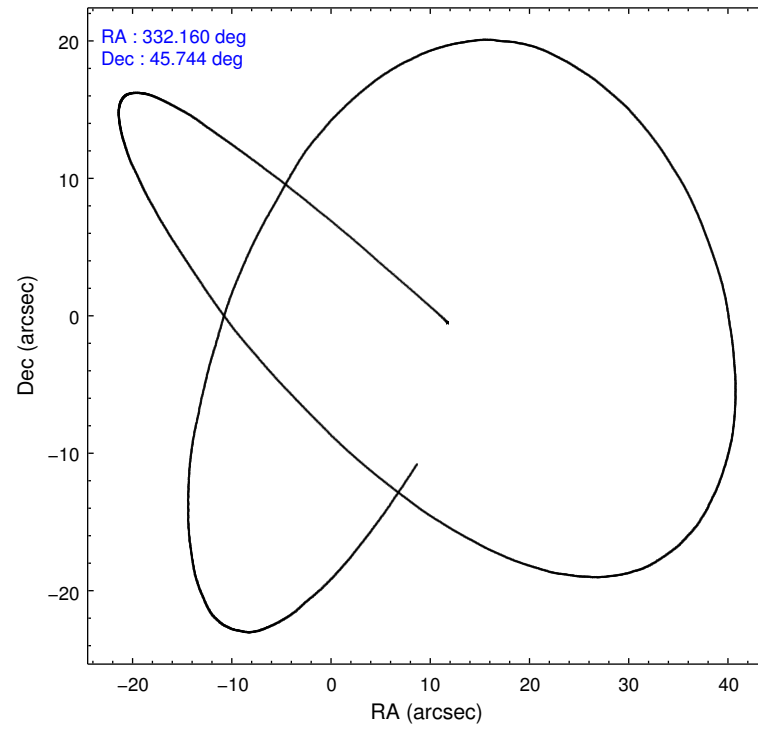
	segment 0
level 1 events	45674
rejected events	2790
rejected %	6%

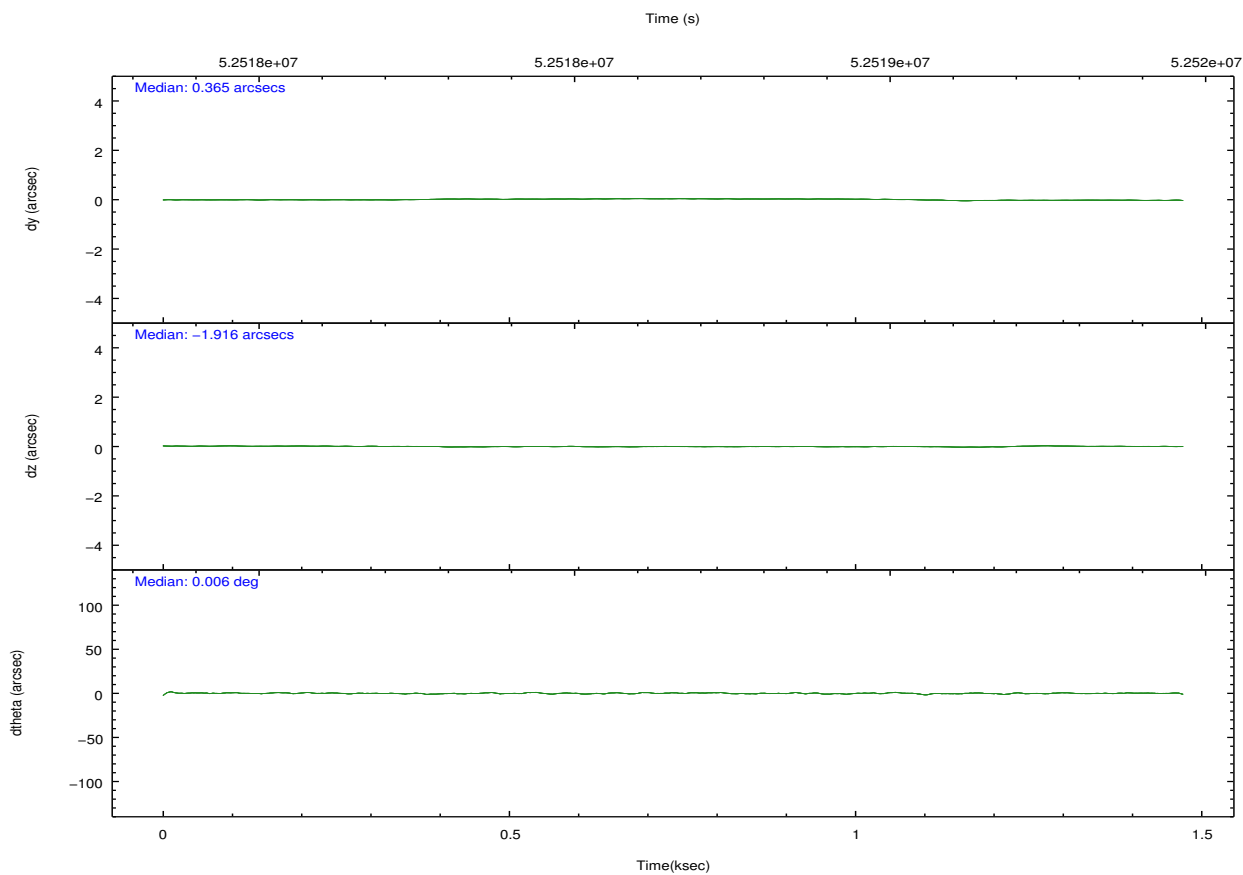
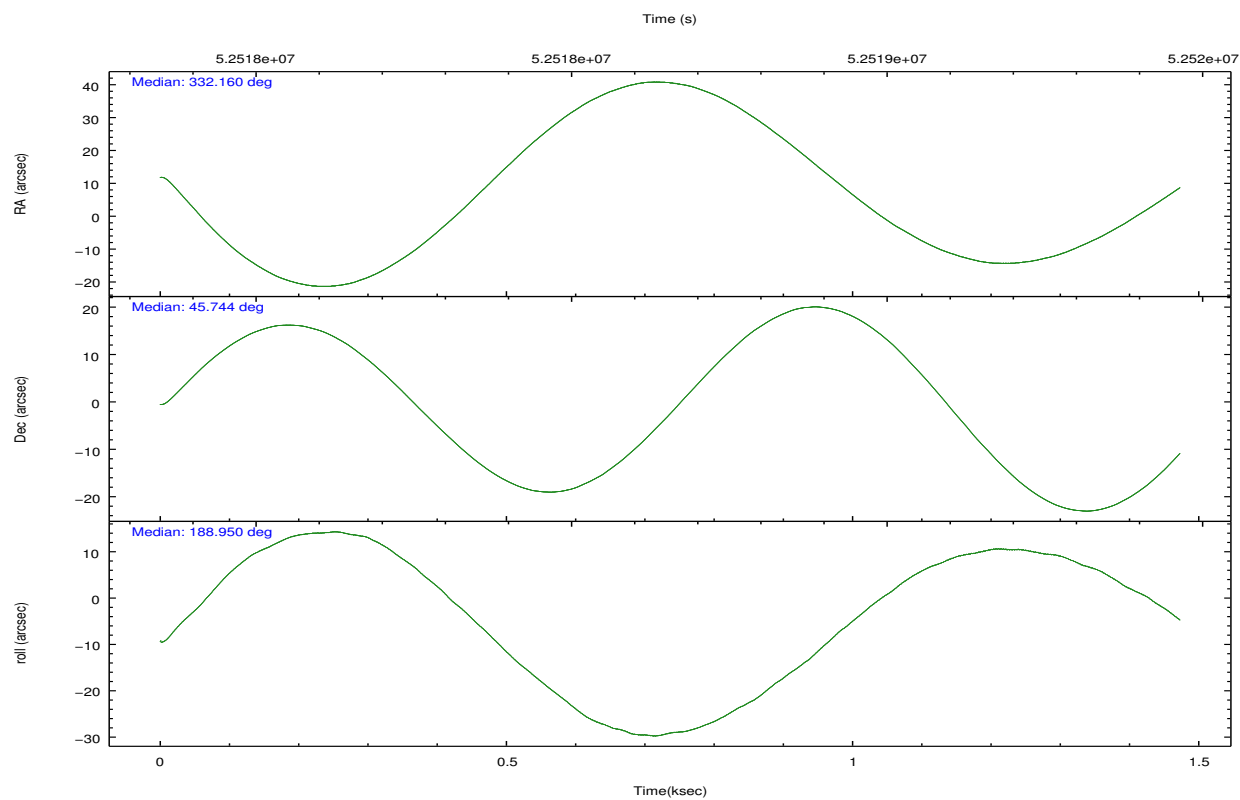
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.193941	332.1617870607124
Pointing Dec	45.760806	45.74341126289349
Pointing Roll	189.025030	188.9525961488112
SIM focus pos (mm)	0.495131	-0.5698877903090322
SIM defocus (mm)	1.535424	0.4704048303498423
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	52518394.184000	52517712.949343
Observation start date	1999-08-31T20:25:30	1999-08-31T20:15:12
Observation end time	52519394.184000	52519528.224408
Observation end date	1999-08-31T20:42:10	1999-08-31T20:45:28

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

2.3 Aspect



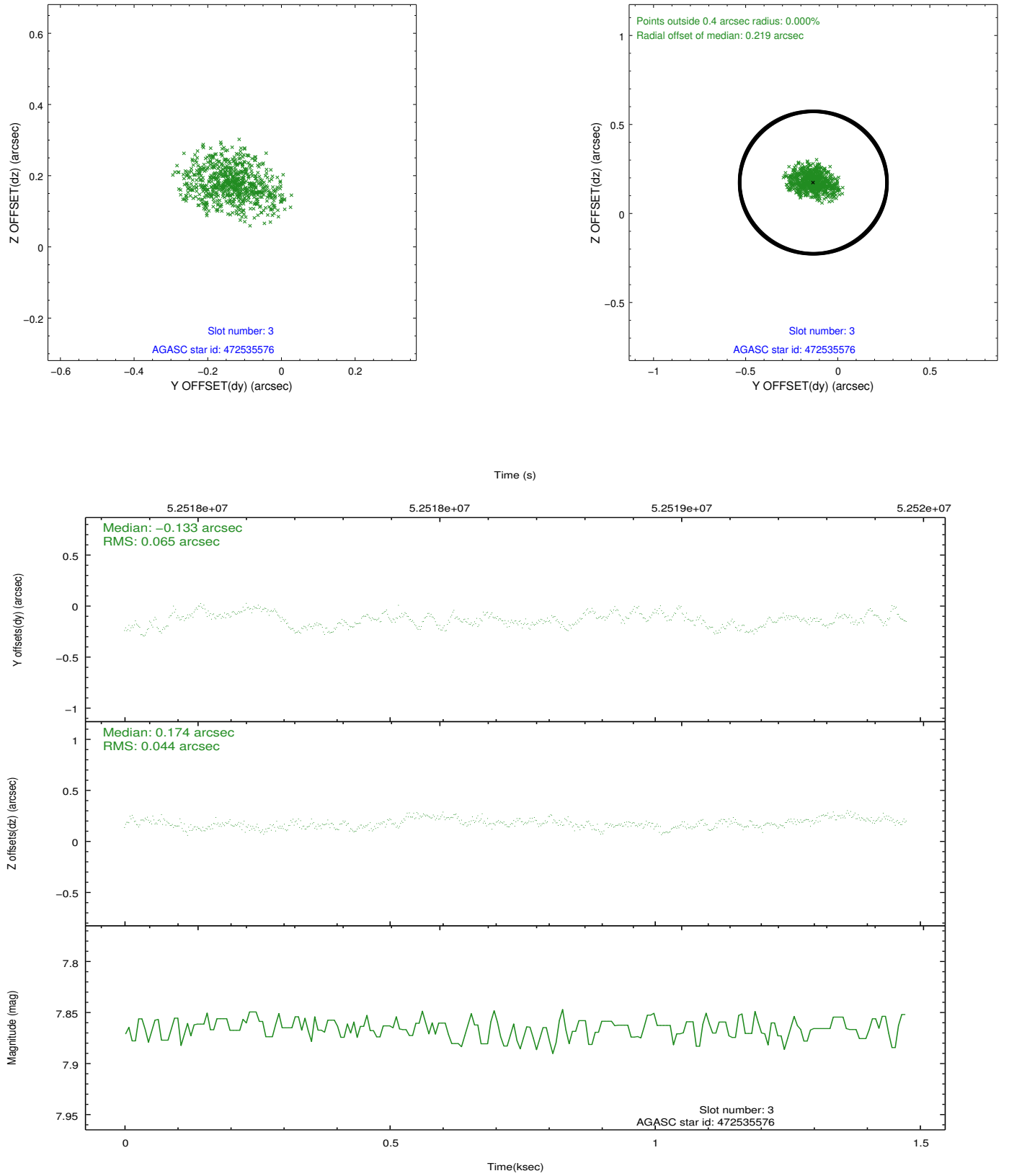


Slot Statistics

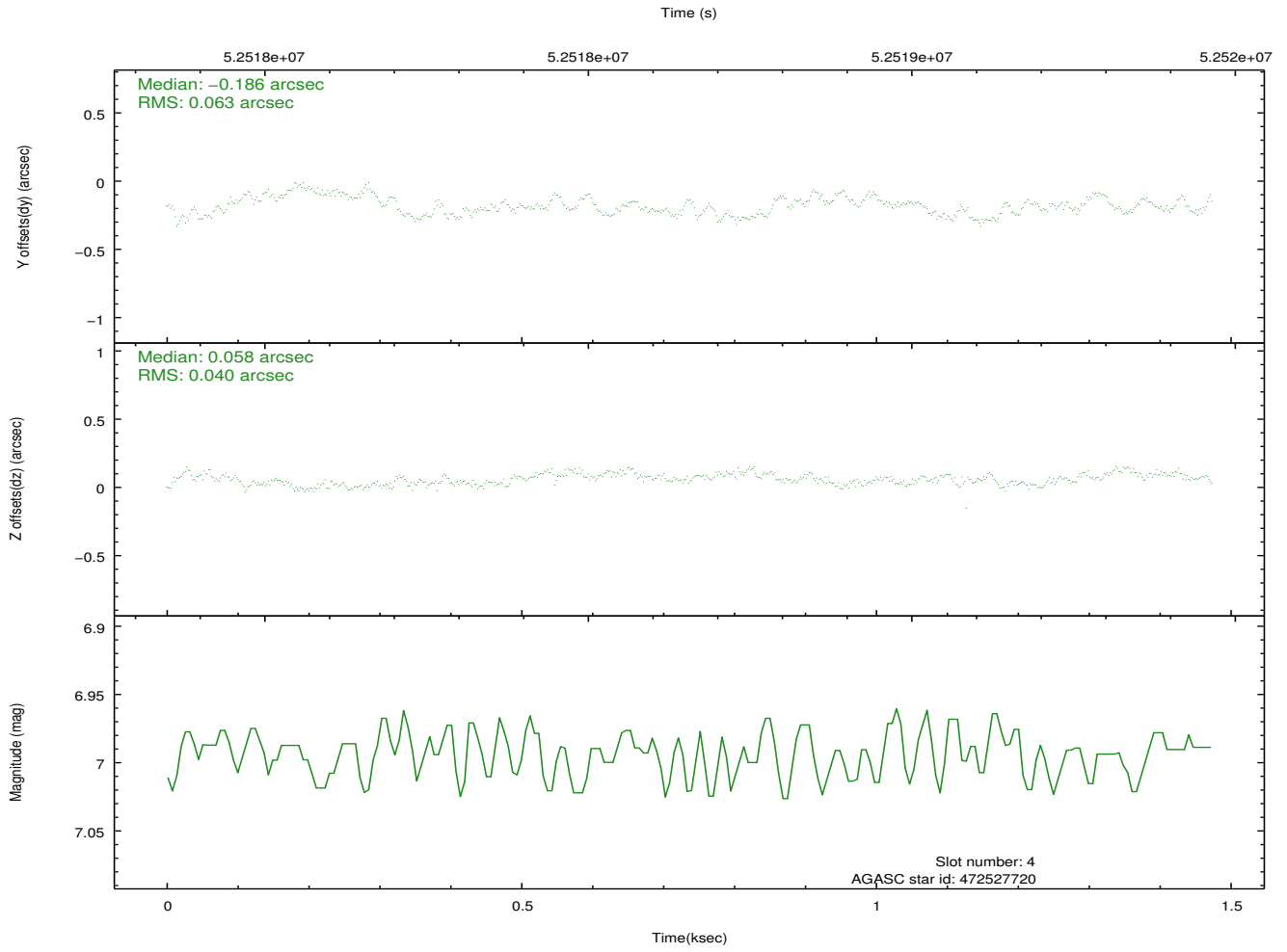
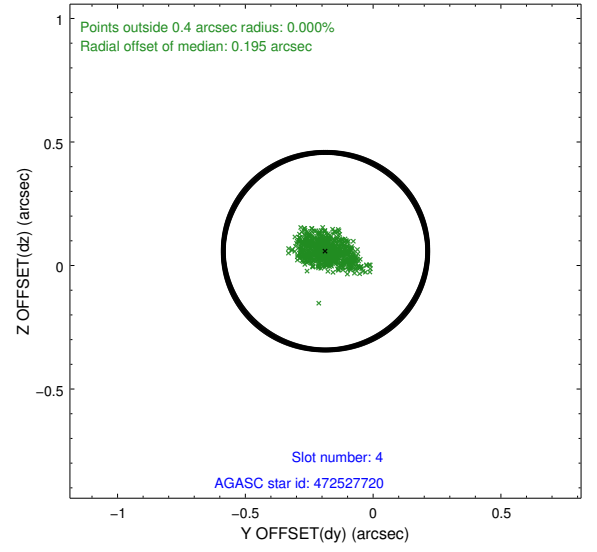
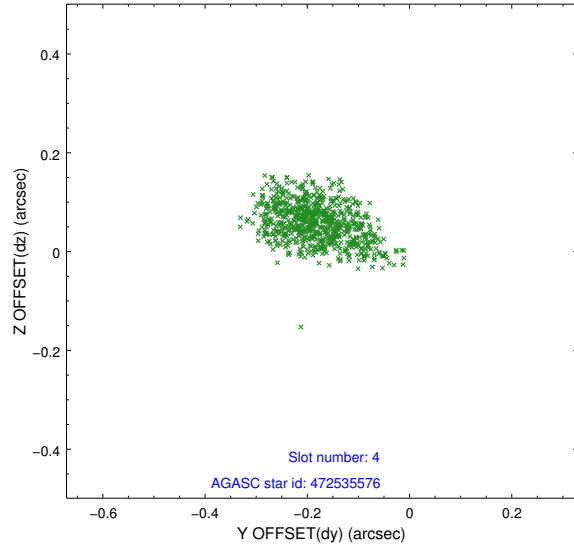
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	720	0.037	-0.087	0.005	0.009	0.000000	0.000000	-755.73	-1285.86
1	FID	HRC-I-3	7.03	720	0.058	0.018	0.006	0.010	0.000000	0.000000	-1185.35	1017.12
2	FID	HRC-I-4	6.97	720	0.020	-0.020	0.005	0.008	0.000000	0.000000	1285.41	1017.97
3	GUIDE	472535576	7.86	720	-0.133	0.174	0.087	0.133	331.438373	46.291802	1550.25	-2191.09
4	GUIDE	472527720	6.99	720	-0.186	0.058	0.082	0.125	331.460205	45.112509	2202.95	2001.59
5	GUIDE	472665256	9.02	720	0.055	-0.093	0.086	0.127	332.808125	46.195041	-1759.32	-1306.85
6	GUIDE	472659832	9.46	720	-0.023	-0.038	0.083	0.146	332.780399	46.098139	-1644.41	-976.78
7	BAD	472654568	9.48	504	0.405	-0.162	0.159	0.226	332.194449	45.063576	384.91	2469.98

2.4 Star Slots

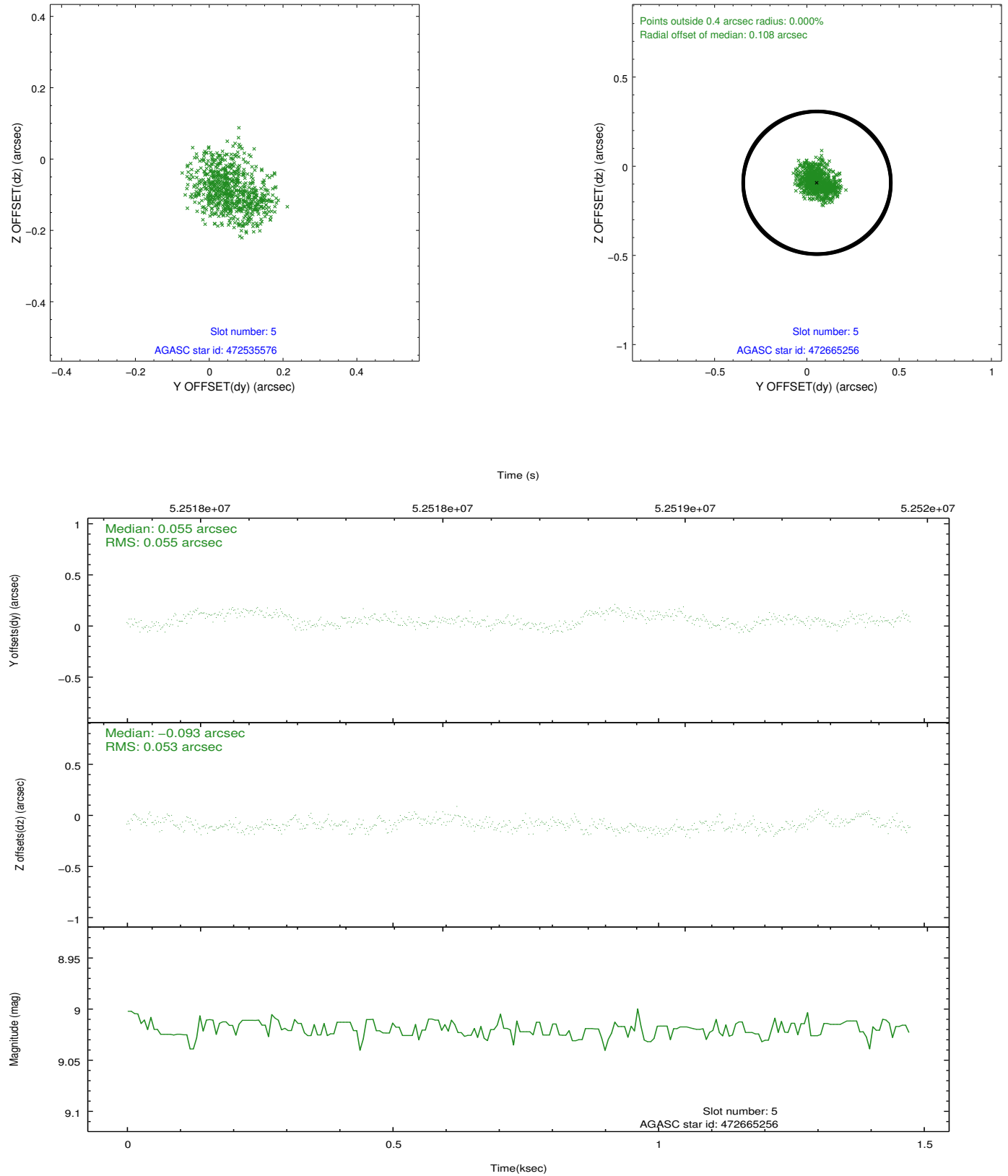
2.4.1 Slot 3



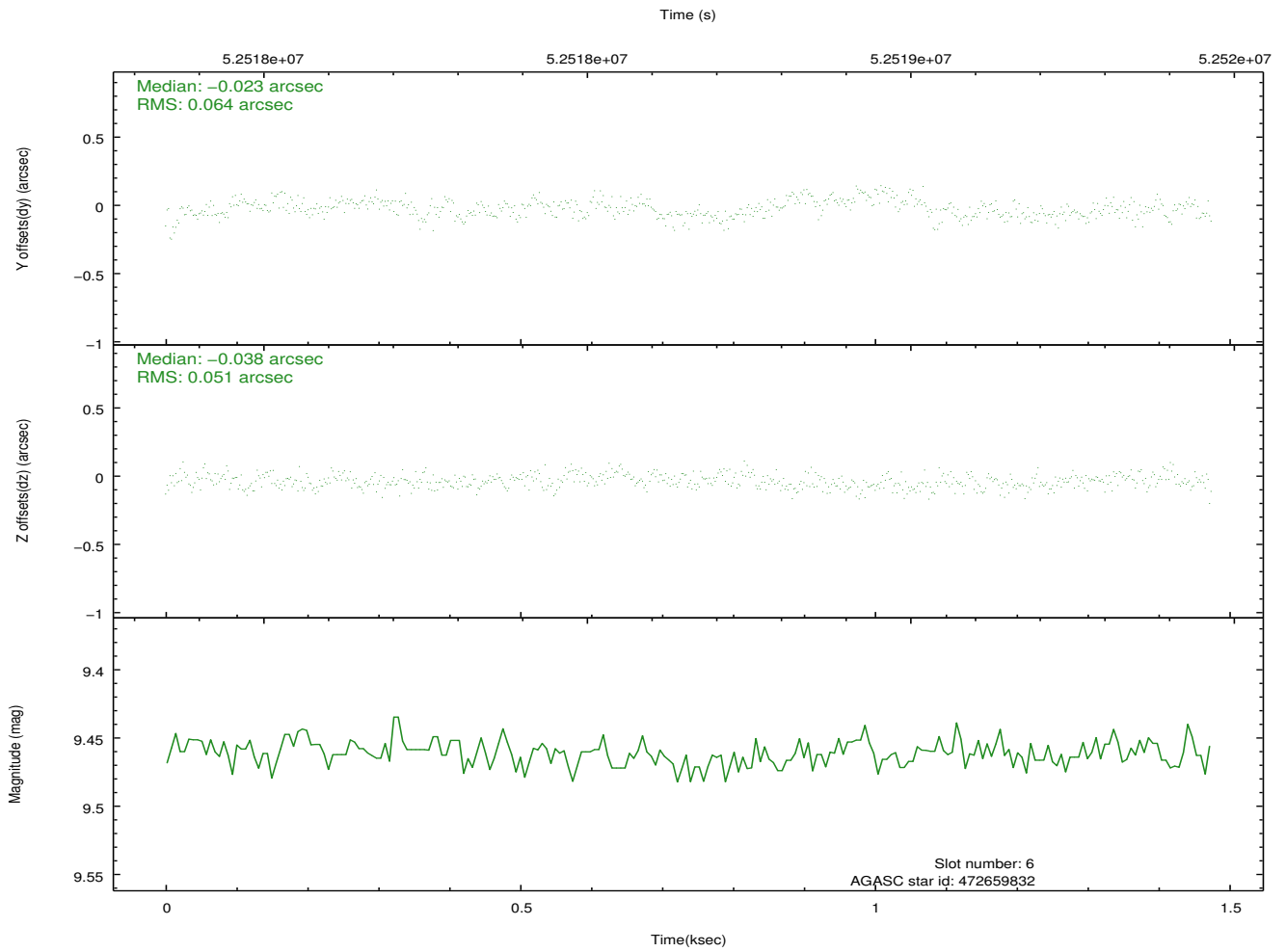
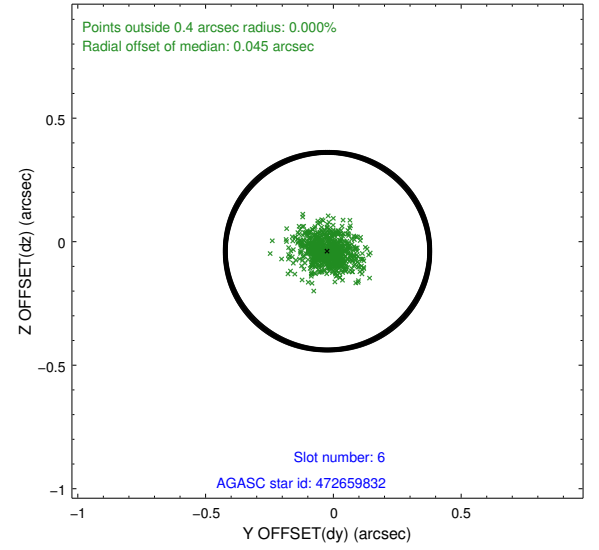
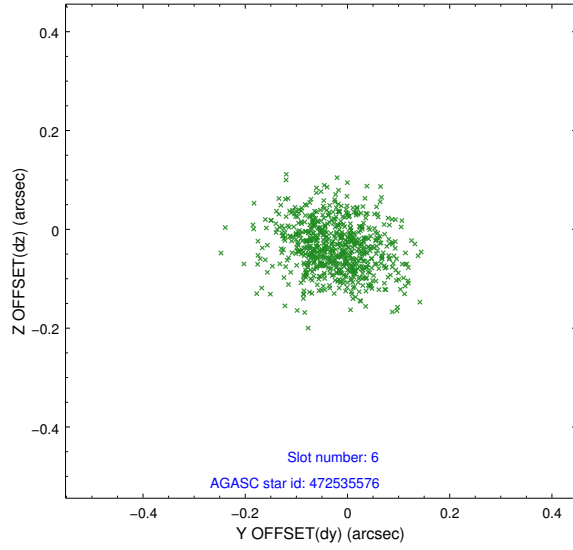
2.4.2 Slot 4



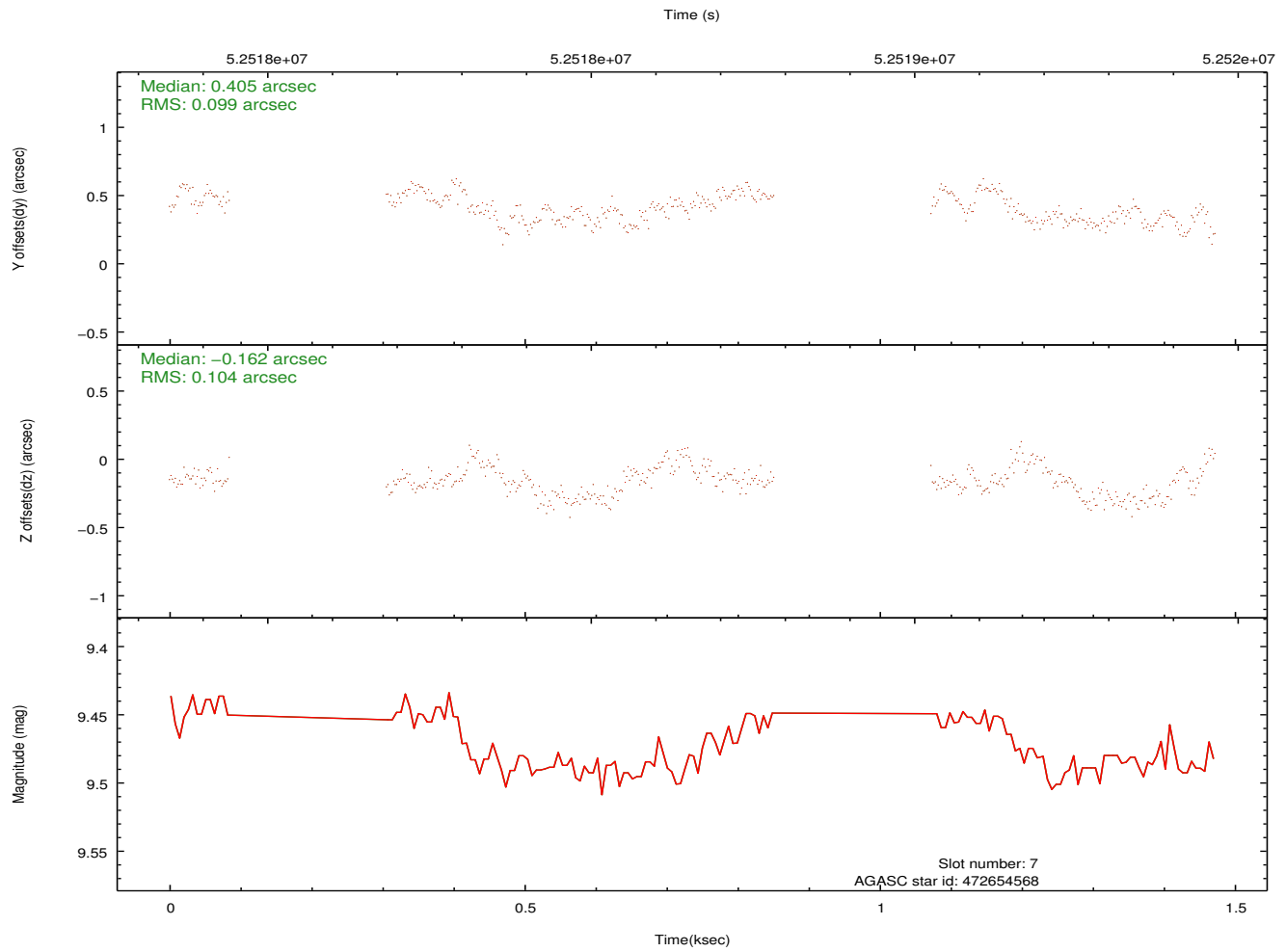
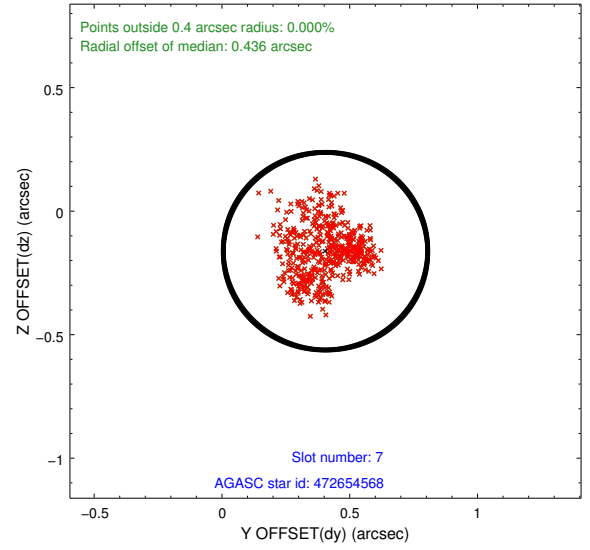
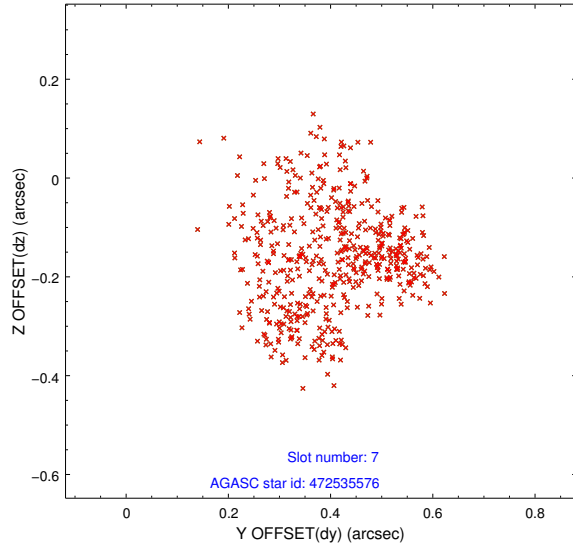
2.4.3 Slot 5



2.4.4 Slot 6

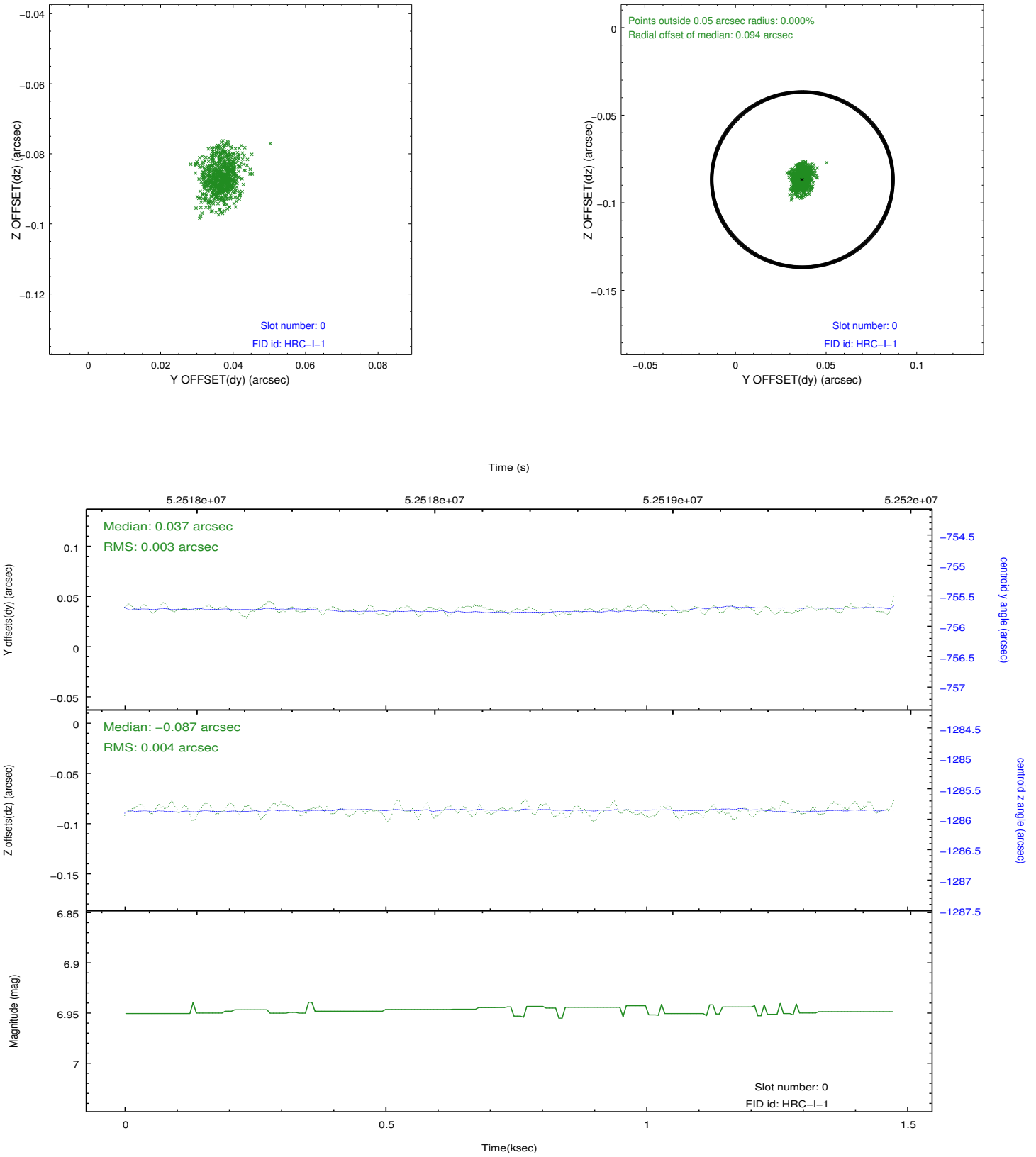


2.4.5 Slot 7

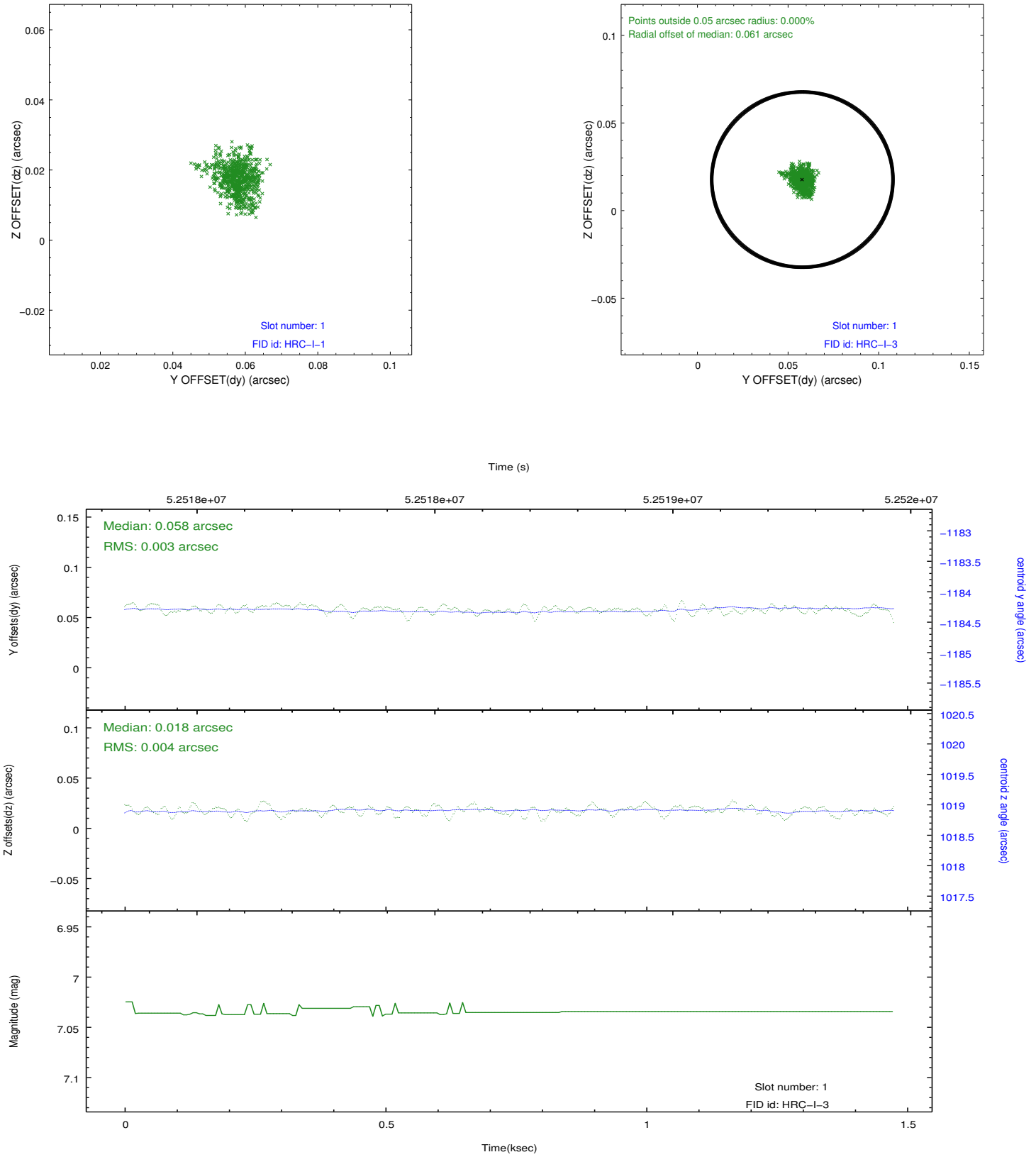


2.5 FID Slots

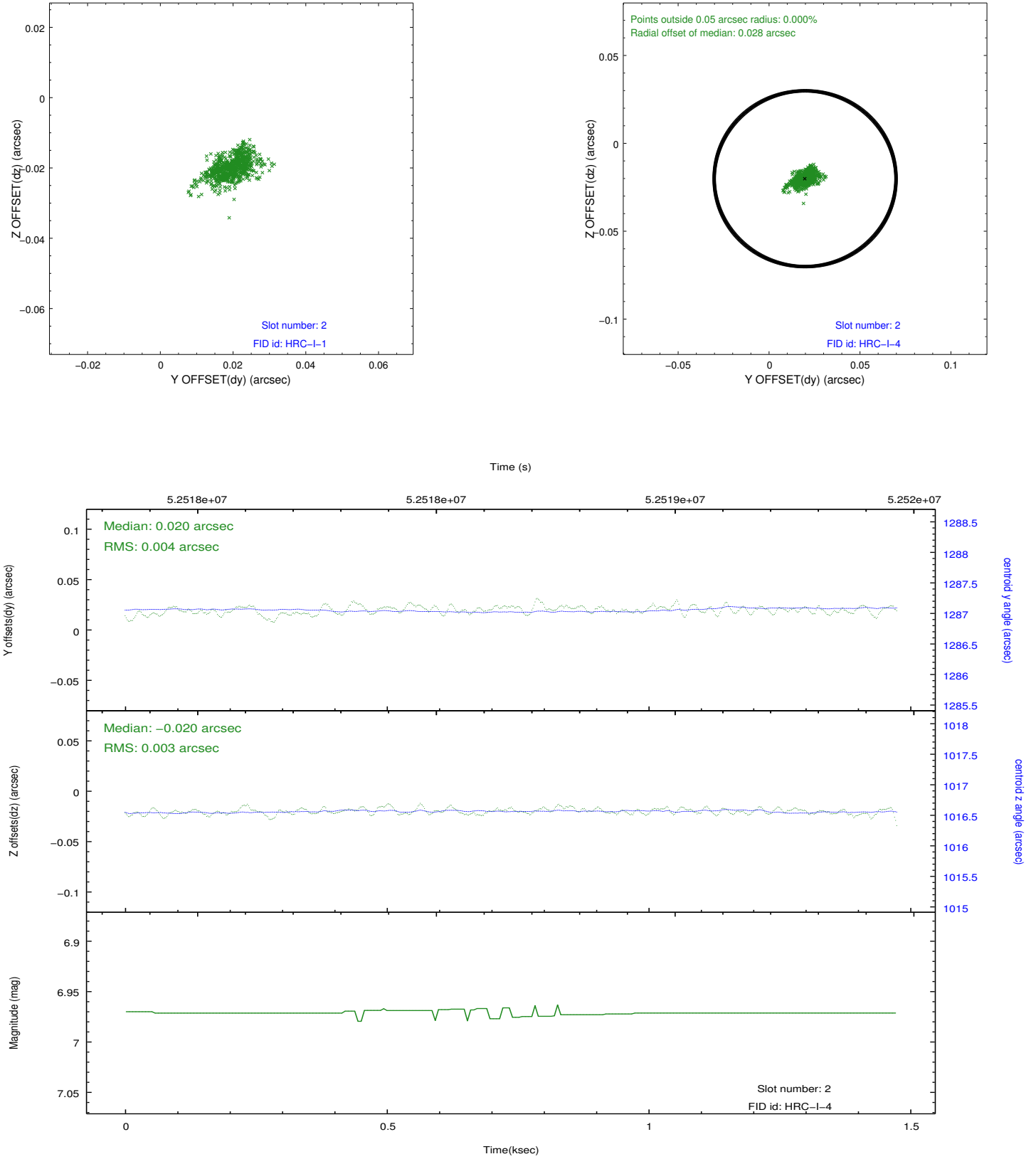
2.5.1 Slot 0



2.5.2 Slot 1

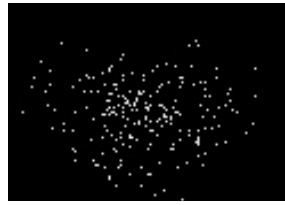


2.5.3 Slot 2



3 Point Sources

13.15 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.793

A.2 Comments

HRC-I series of focus observations around the revised focus. HRC using manual commanding to revised focus

position (-389) while maneuvering for the observation

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The guide star in slot 7 was excluded 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.