

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 4315 - L2 Version 5
Chandra X-Ray Center

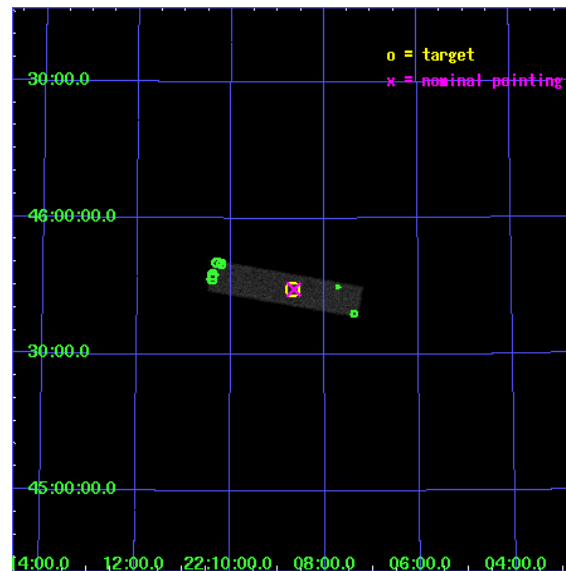
L2 Processing Date : Feb 4 2009

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1 Front

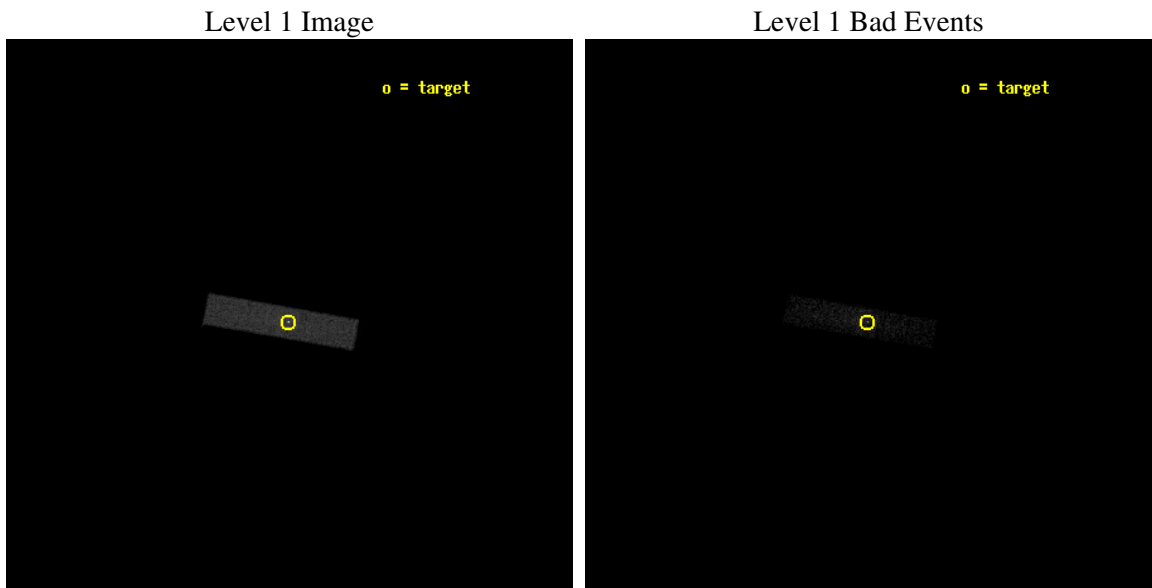
seq_num	290275
obs_id	4315
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.163717
dec_nom	45.740865
roll_nom	189.796208
revision	5
ontime	852.80003651977
livetime	848.55544251665
l2events	27761



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-05T00:14:06
revision	5

sched_exp_time	1000.000000
ontime	852.80003651977
l1events	39706

2.1.3 Events

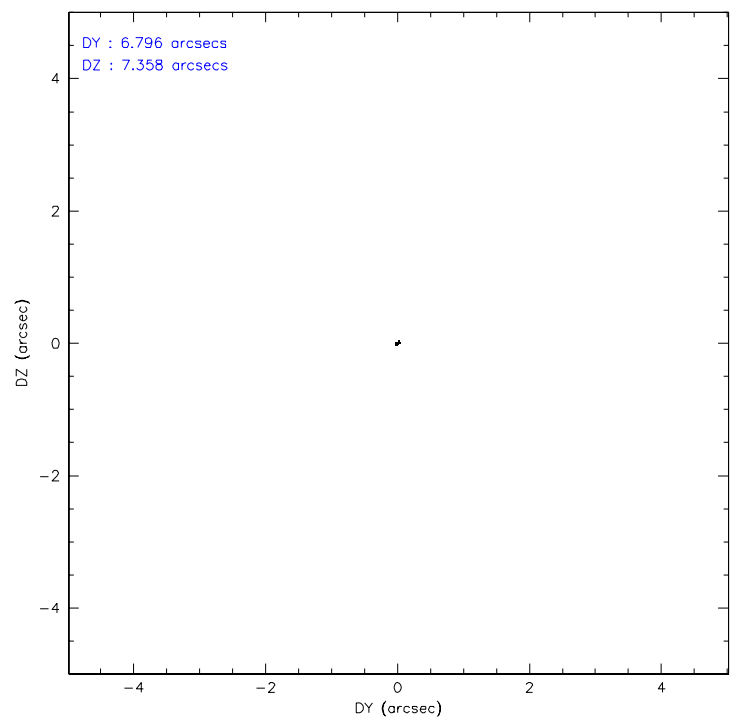
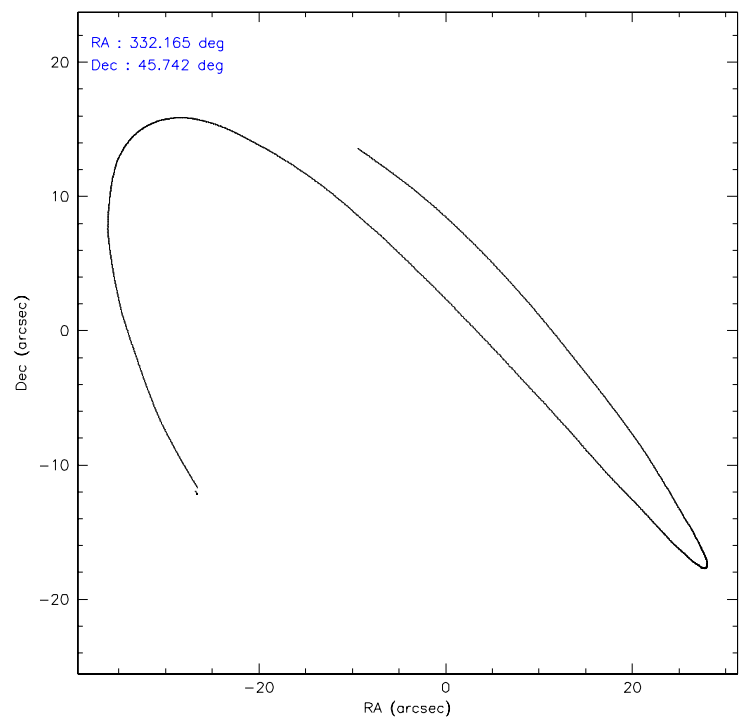
Level 1 Events

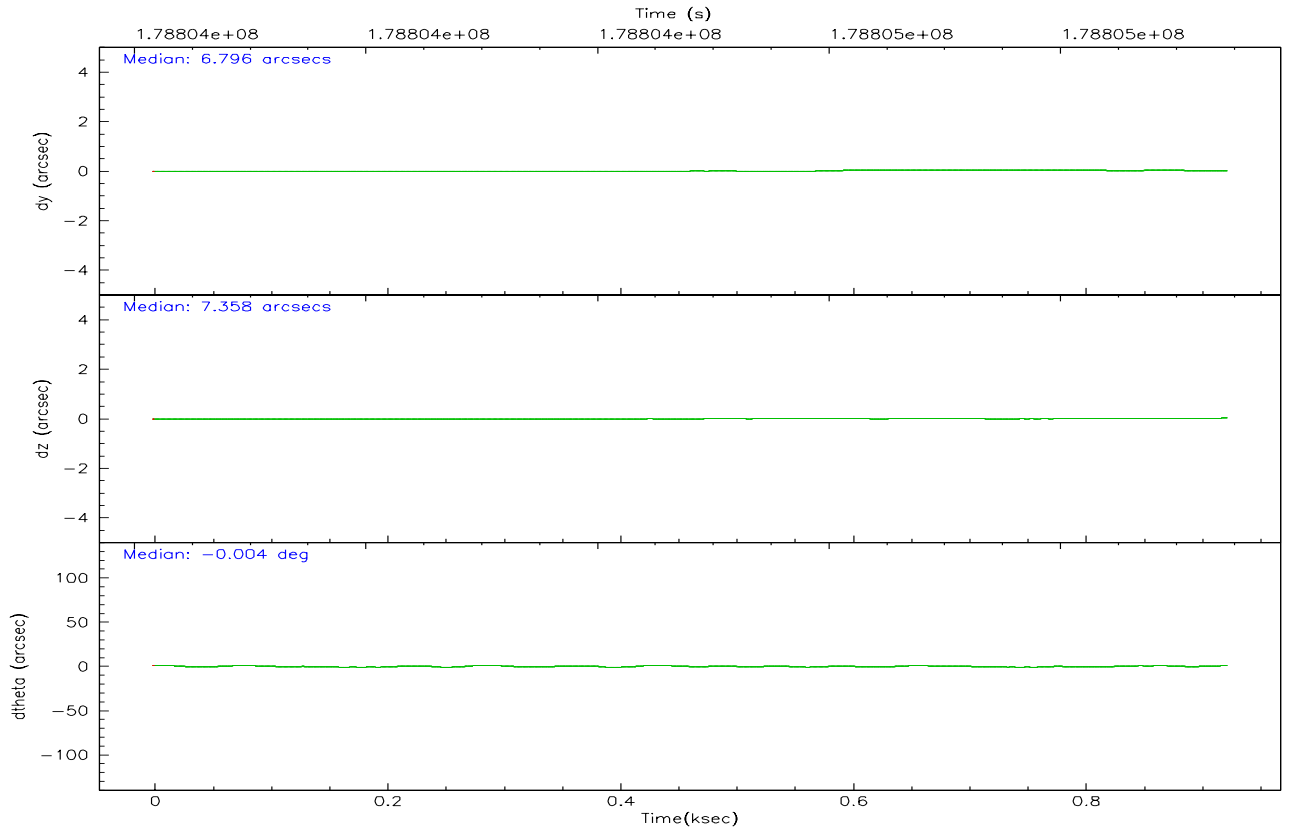
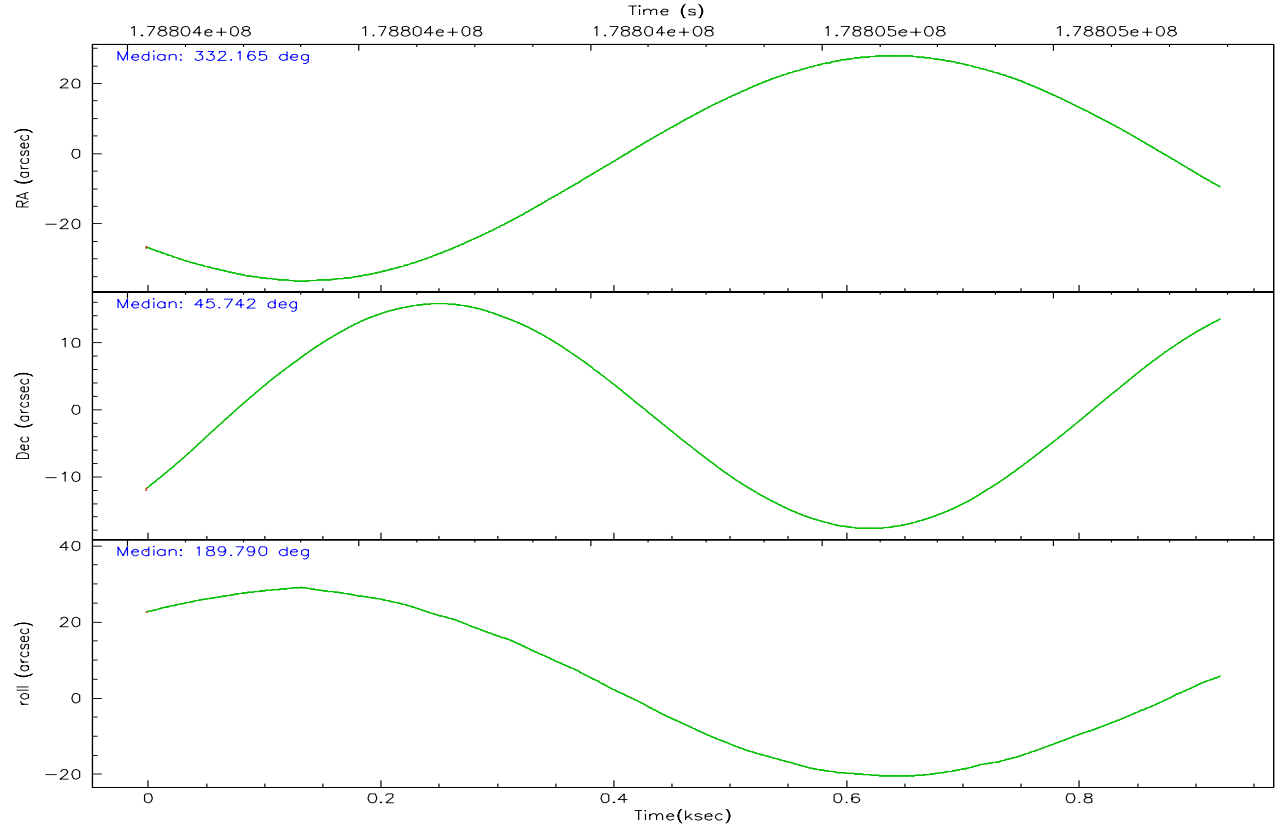
	segment 1	segment 2	segment 3
level 1 events	0	39706	0
rejected events	0	9770	0
rejected %	0%	24%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.1637168171682	332.1637168171682			
Pointing Dec	45.74086461549308	45.74086461549308			
Pointing Roll	189.7962080300947	189.7962080300947			
SIM focus pos (mm)	-1.428180813131781	-1.428180813131781			
SIM defocus (mm)	0.1051557500239624	0.1051557500239624			
SIM translation stage pos (mm)	250.466033080201	250.466033080201			
SIM translation stage offset (mm)	-0.0100572612062706	-0.0100572612062706			
Observation start time	178804013.184	178804013.184			
Observation start date	2003-09-01T11:44:34	2003-09-01T11:46:53			
Observation end time	178804938.184	178804938.184			
Observation end date	2003-09-01T12:01:14	2003-09-01T12:02:18			

2.3 Aspect



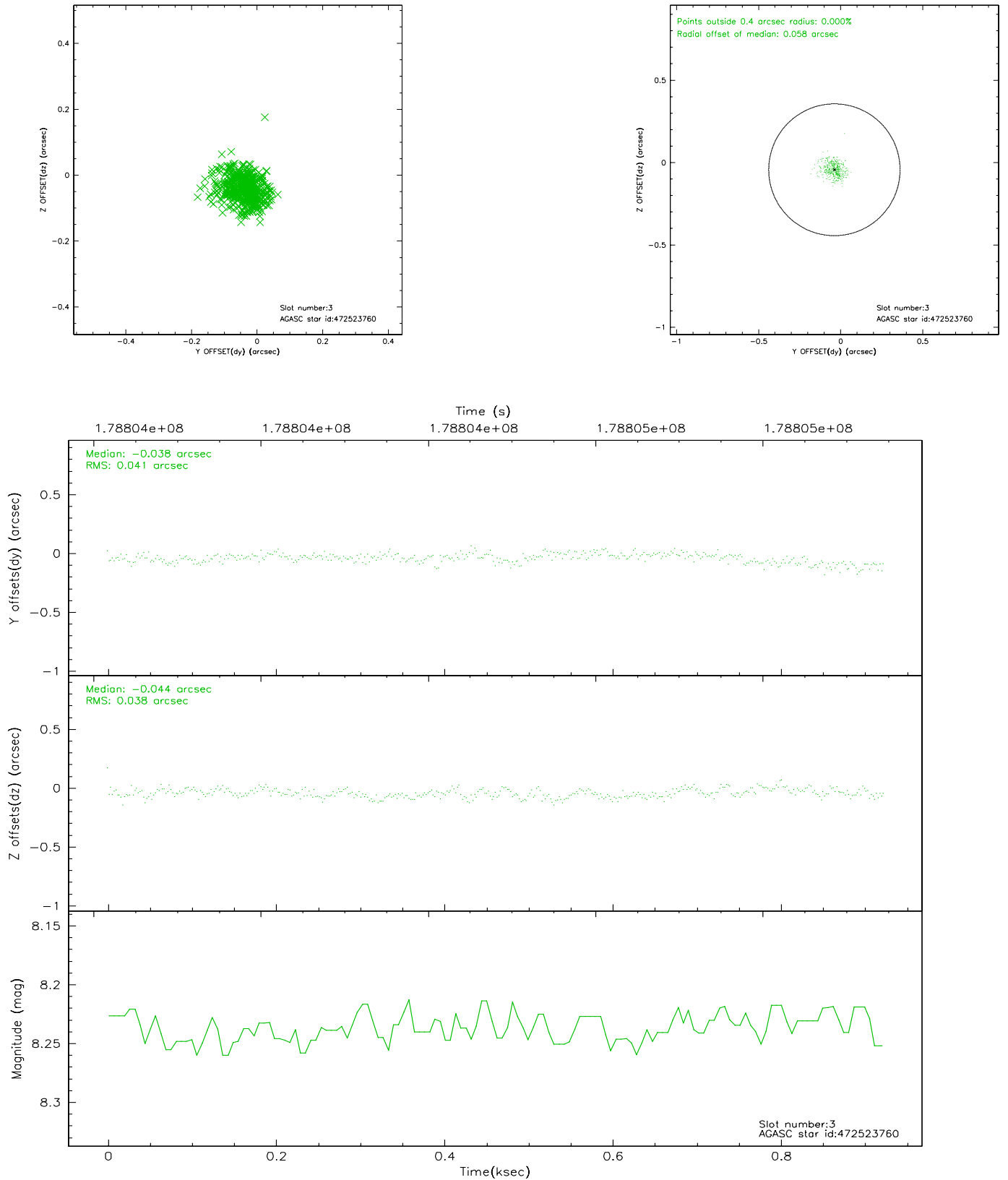


Slot Statistics

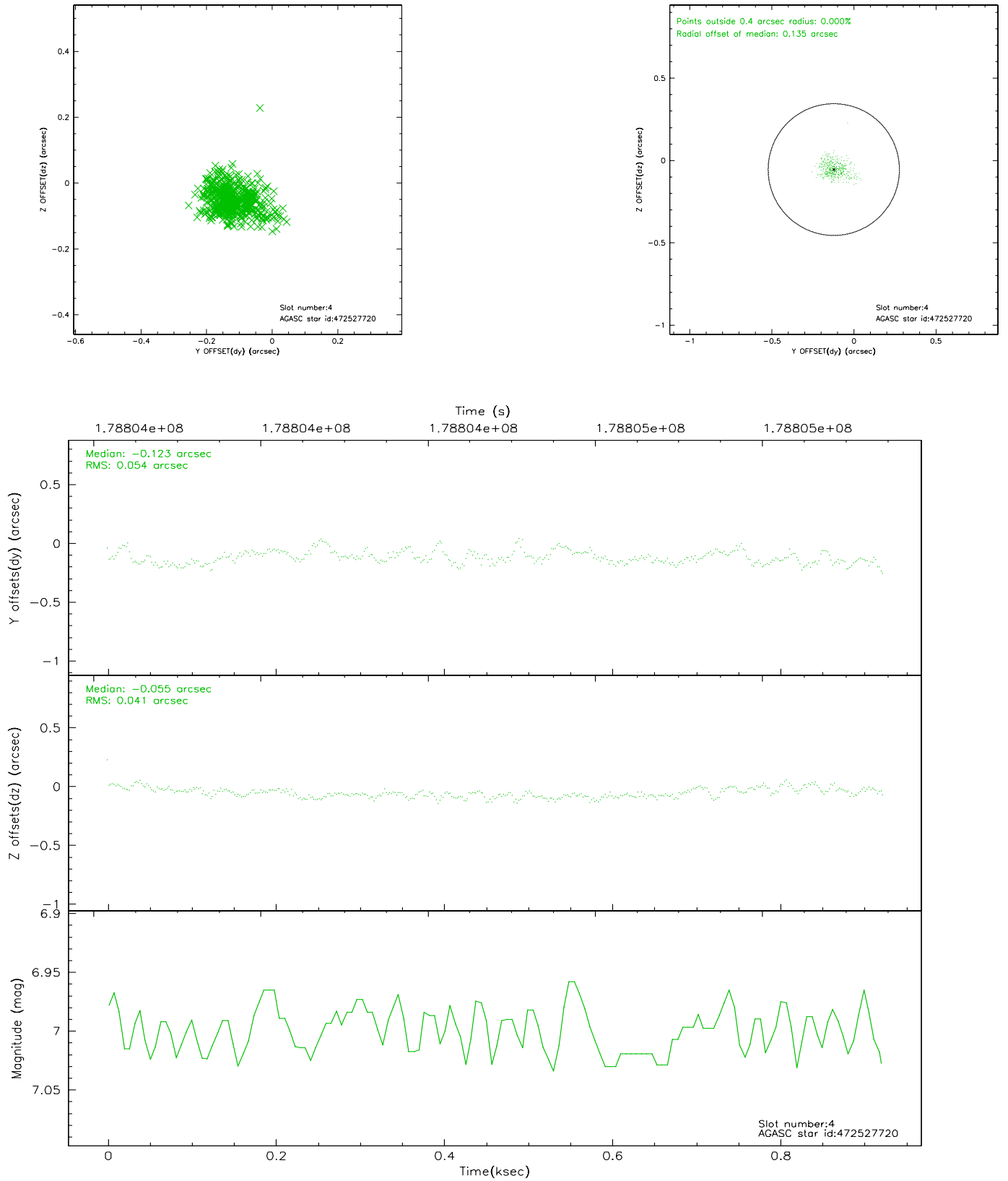
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	226	0.110	-0.115	0.007	0.011	0.000000	0.000000	-1160.97	-455.93
1	FID	HRC-S-2	7.03	226	0.158	-0.104	0.004	0.011	0.000000	0.000000	1233.62	-450.56
2	FID	HRC-S-3	7.04	226	0.121	-0.083	0.006	0.010	0.000000	0.000000	-1158.23	571.64
3	GUIDE	472523760	8.24	451	-0.038	-0.044	0.057	0.095	331.645363	45.403260	1583.83	1031.95
4	GUIDE	472527720	7.00	451	-0.123	-0.055	0.070	0.118	331.460205	45.112509	2233.76	1981.80
5	GUIDE	472533912	9.16	451	-0.027	0.020	0.101	0.162	331.791136	46.368695	622.94	-2322.26
6	GUIDE	472655152	9.45	451	0.134	0.048	0.092	0.149	332.504239	45.862991	-826.59	-236.49
7	GUIDE	472659832	9.46	449	0.053	0.049	0.090	0.179	332.780399	46.098139	-1649.51	-954.53

2.4 Star Slots

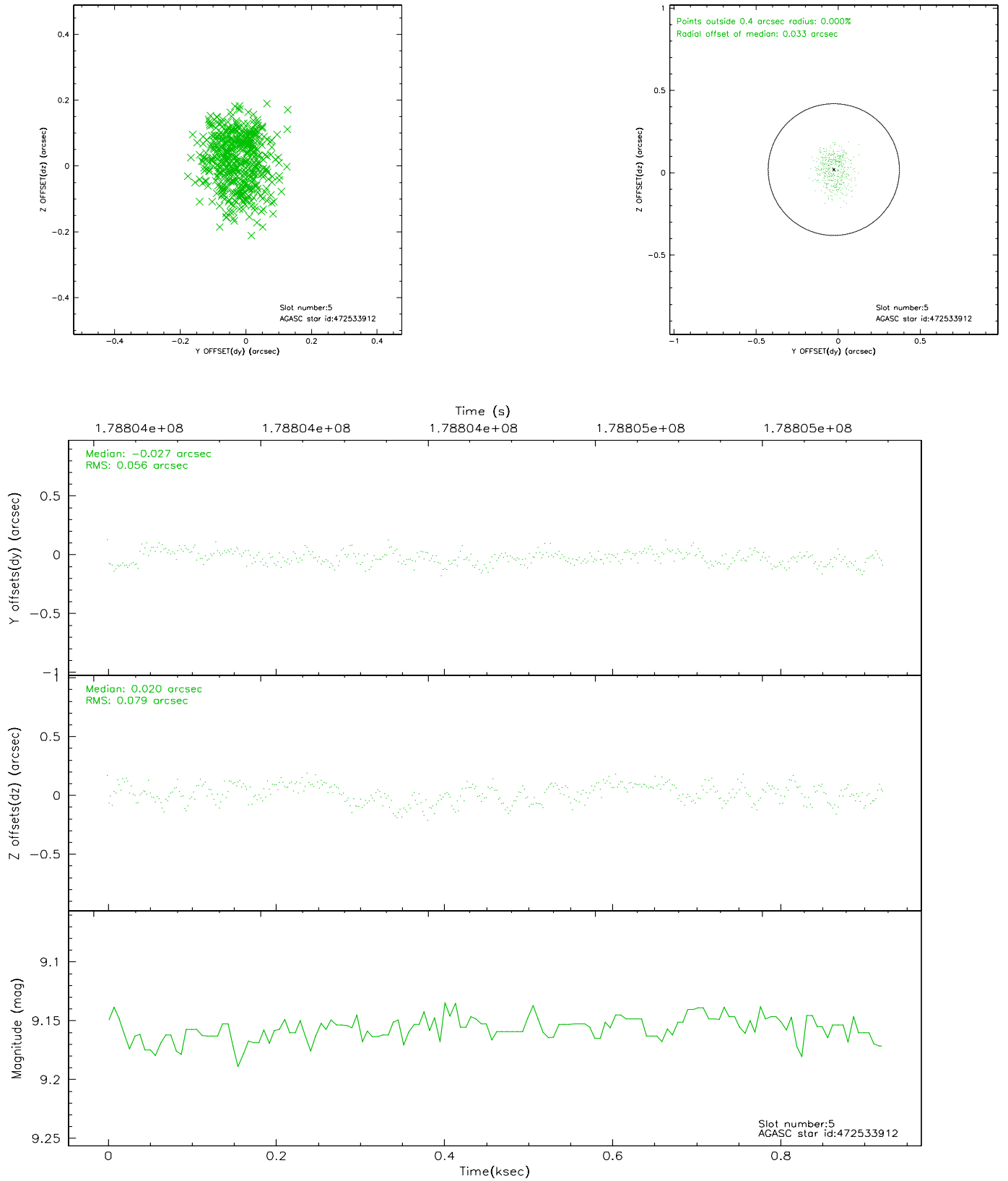
2.4.1 Slot 3



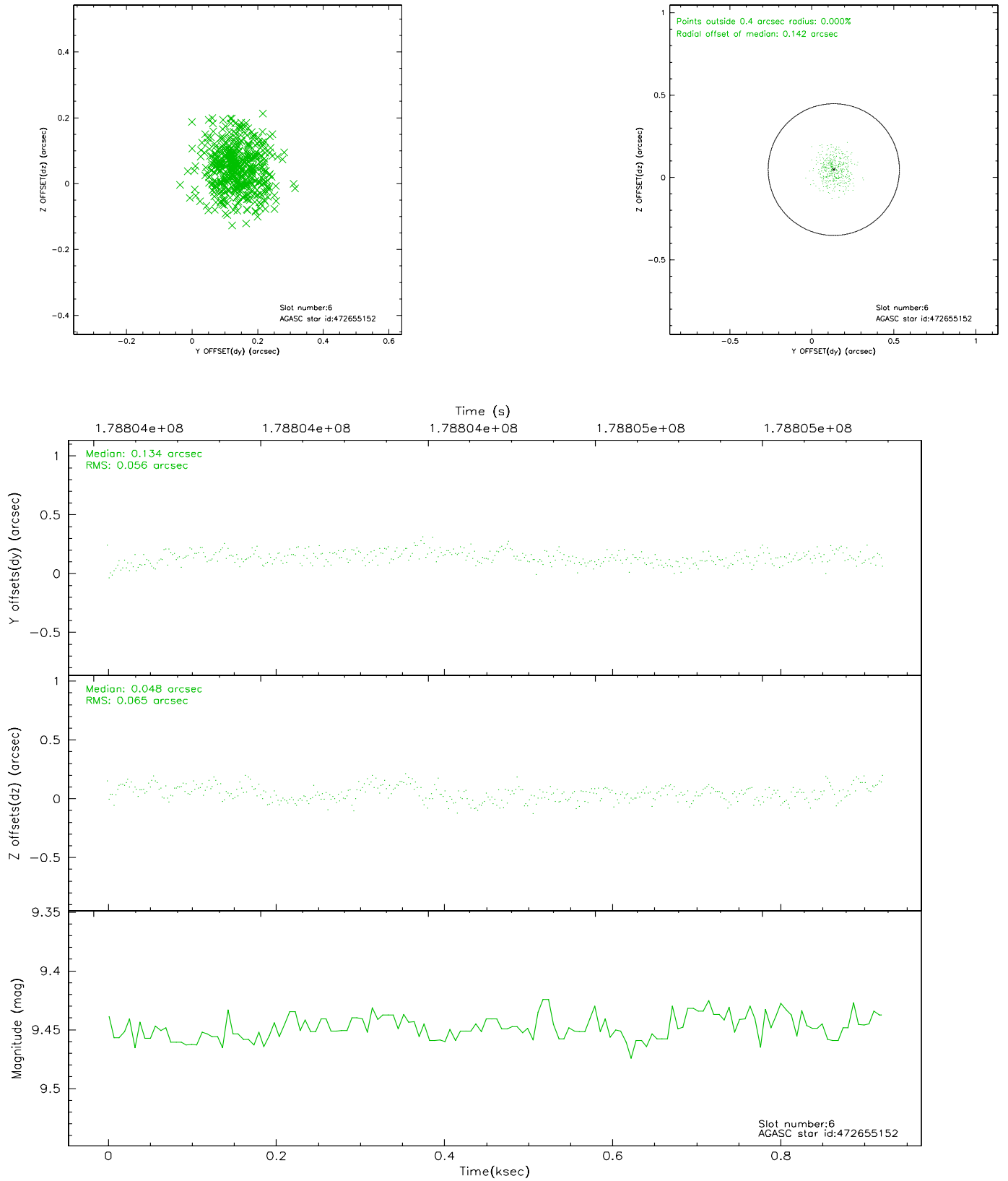
2.4.2 Slot 4



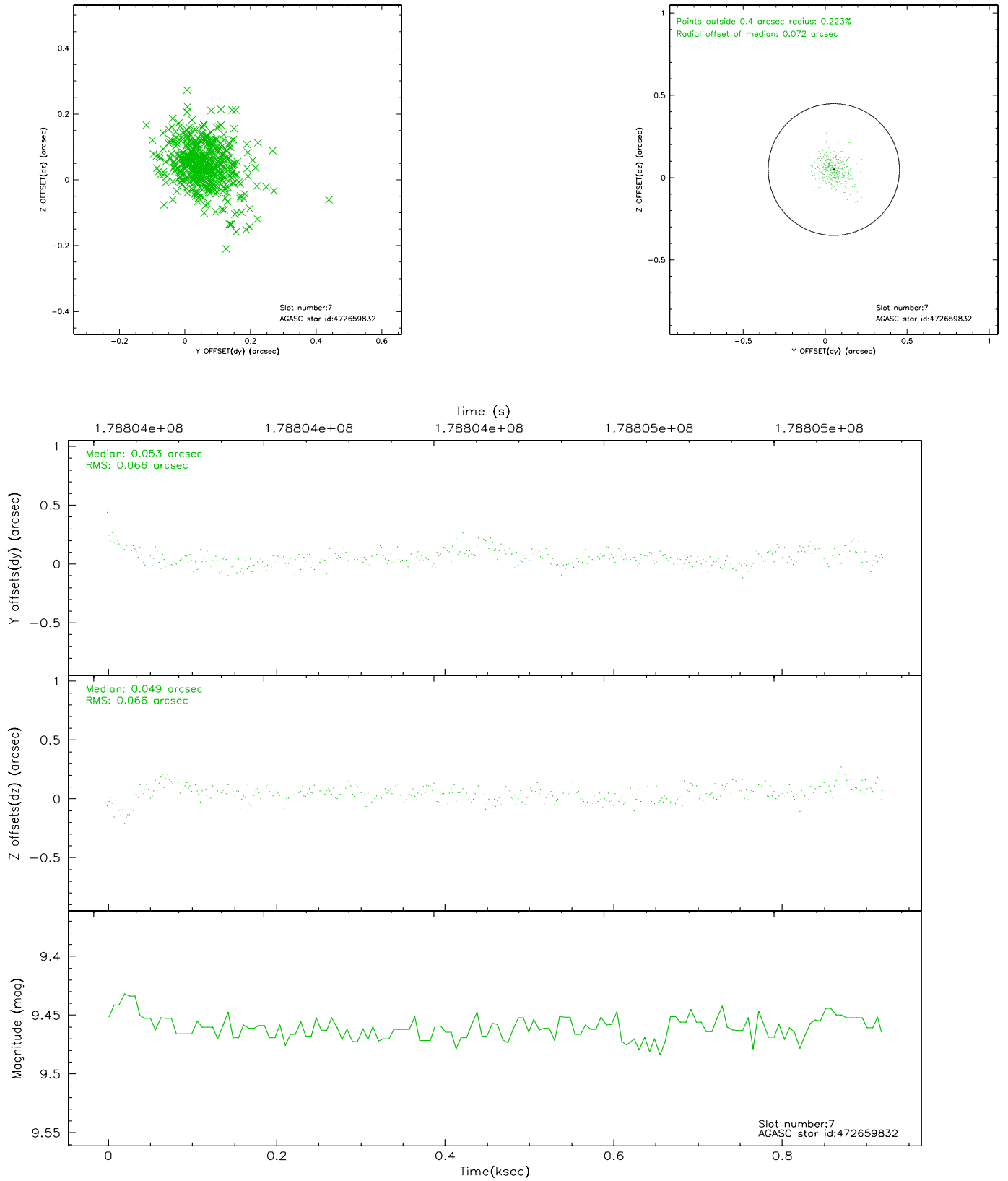
2.4.3 Slot 5



2.4.4 Slot 6

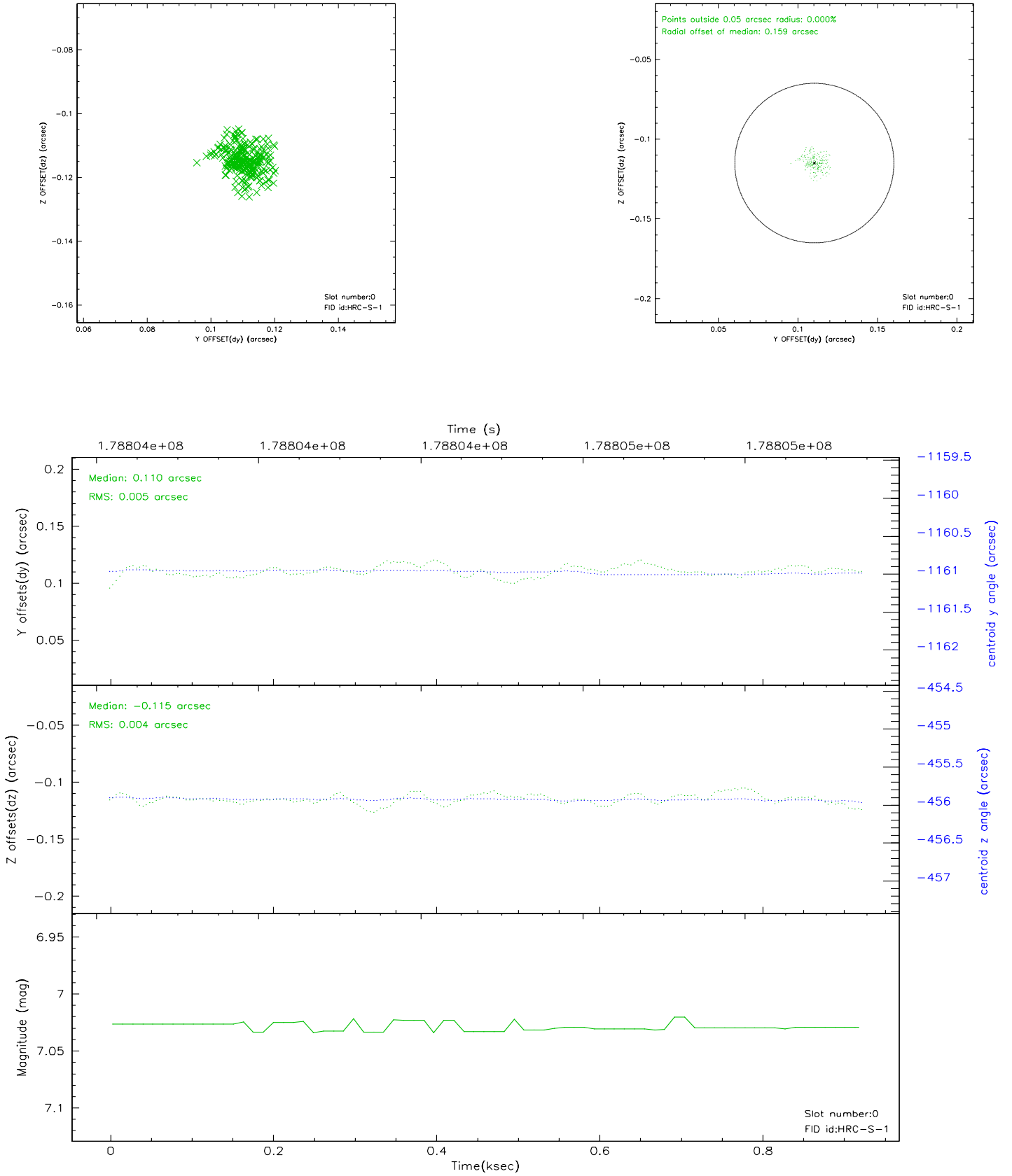


2.4.5 Slot 7

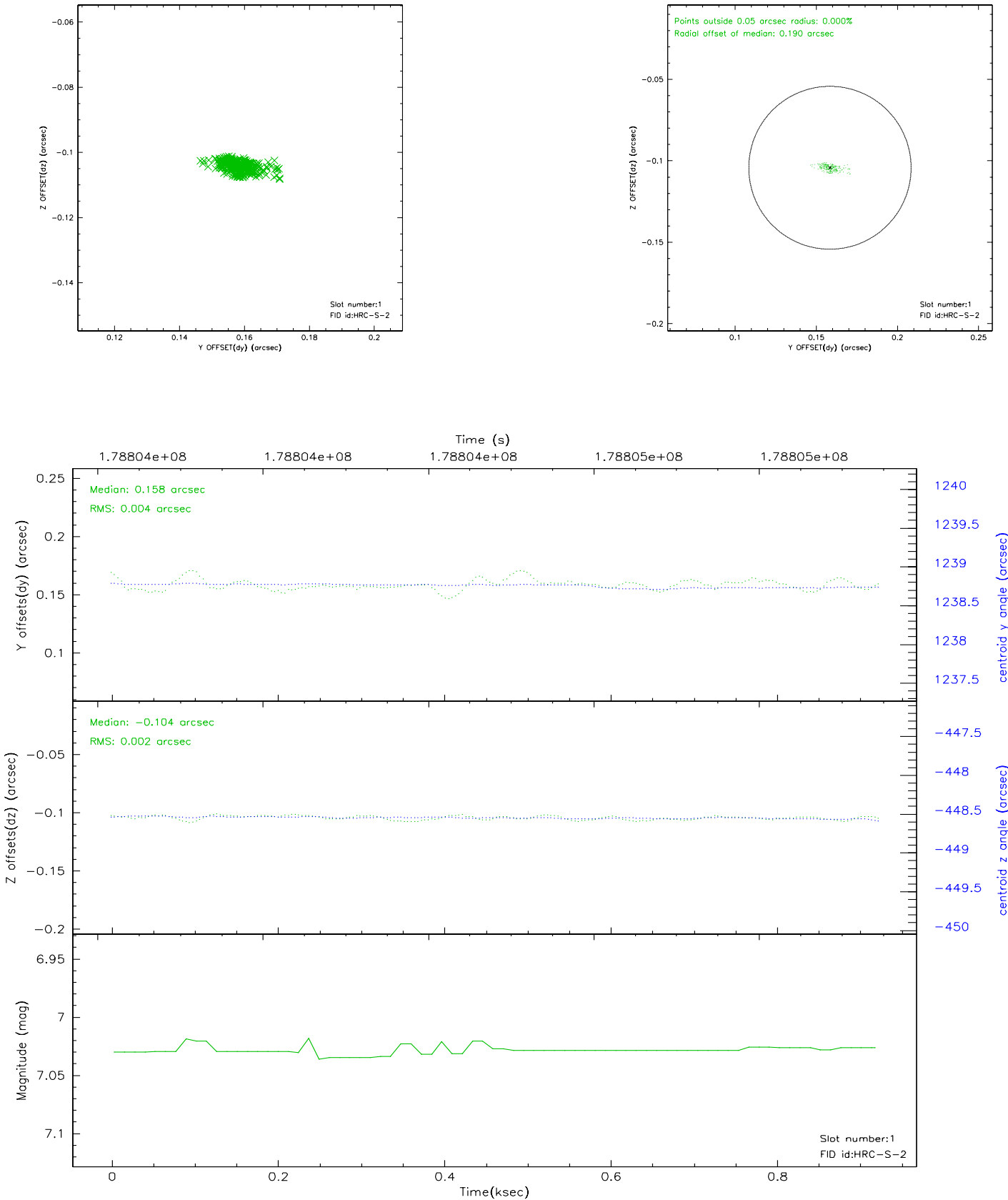


2.5 FID Slots

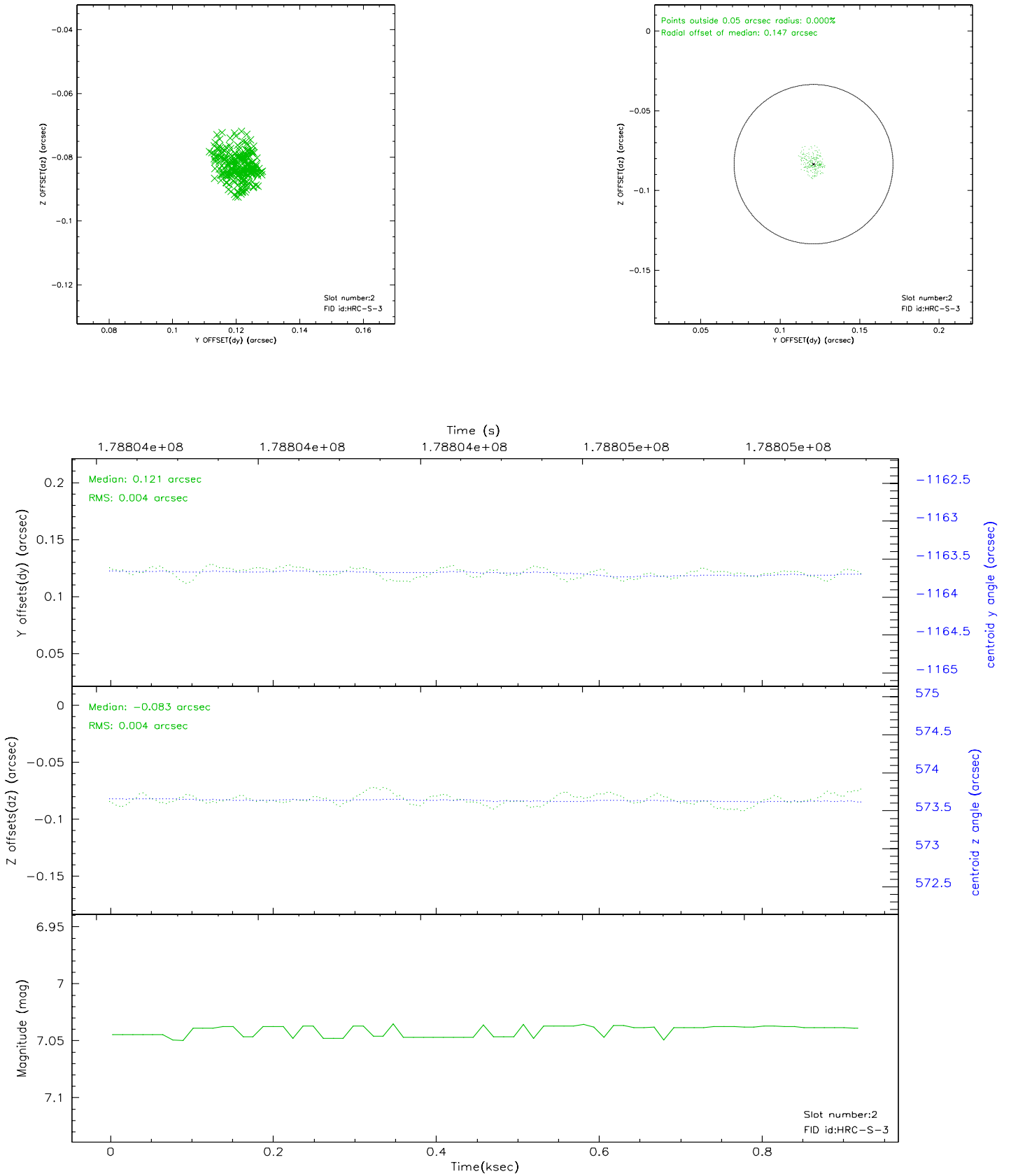
2.5.1 Slot 0



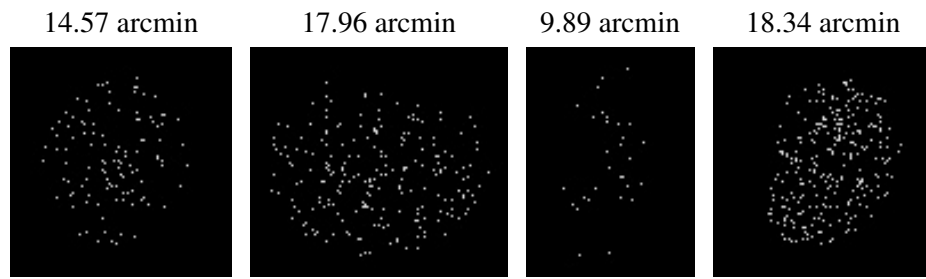
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.85280003

A.2 Comments

The first 75 sec of this observation are not included in this processing. During this 75 second period, telemetry dropouts of the gyro data caused incorrect output. Eliminating the first 75 seconds of data resulted in good output products The charge time for this processing is less than the charge time used in previously distributed version.

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.