

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5107 - L2 Version 002
Chandra X-Ray Center

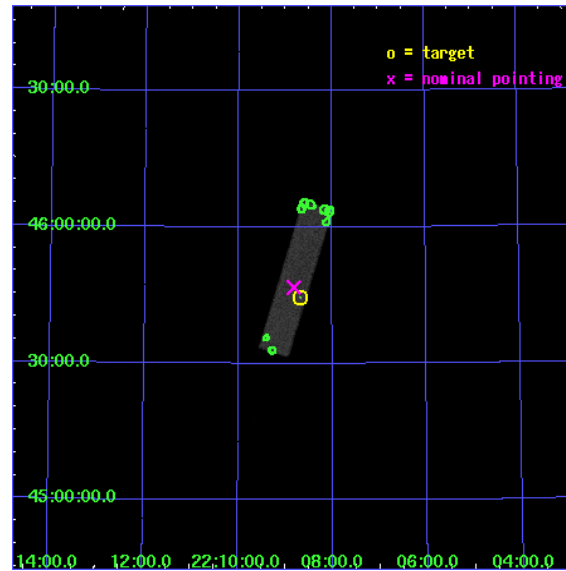
L2 Processing Date : Apr 10 2006

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

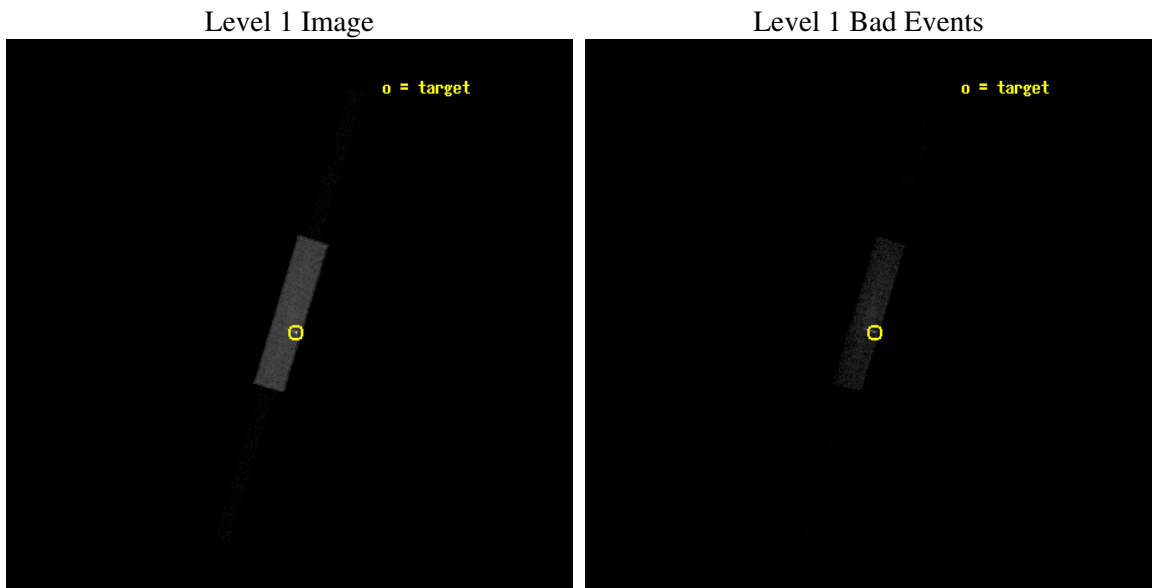
seq_num	290380
obs_id	5107
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.20443516202
dec_nom	45.779532145142
roll_nom	286.88677918864
revision	2
ontime	1054.9812974334
livetime	1047.6200992605
l2events	49087



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-10T19:31:06
revision	2

sched_exp_time	900.000000
ontime	1083.6812987328
l1events	85003

2.1.3 Events

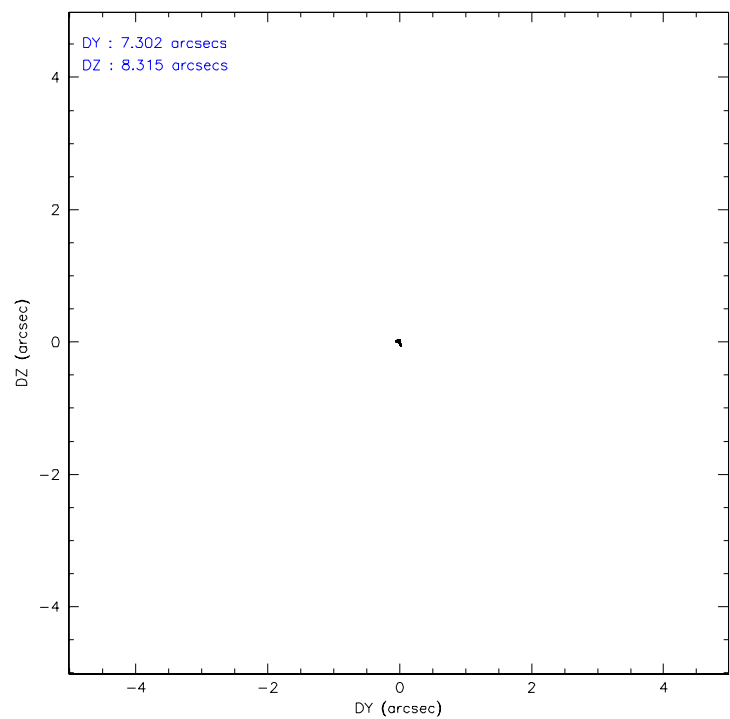
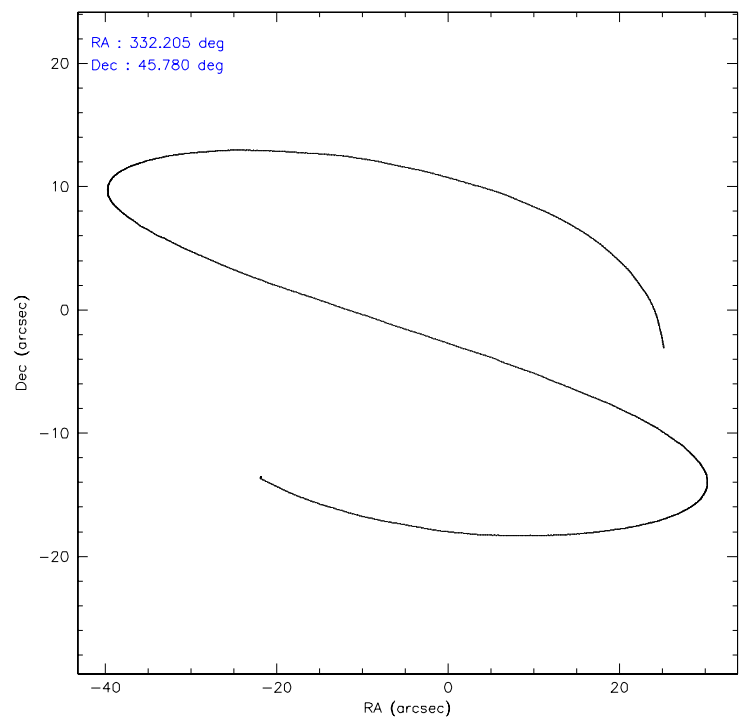
Level 1 Events

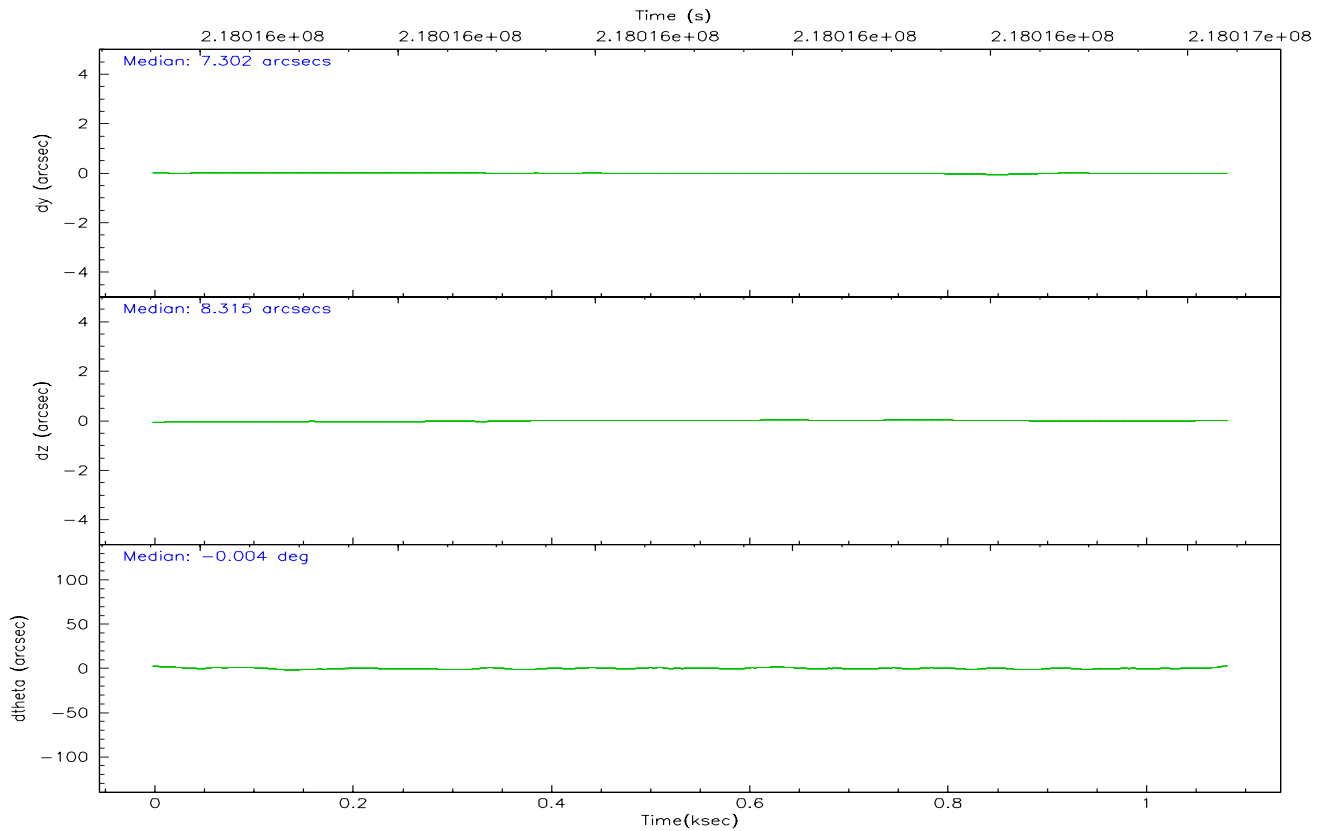
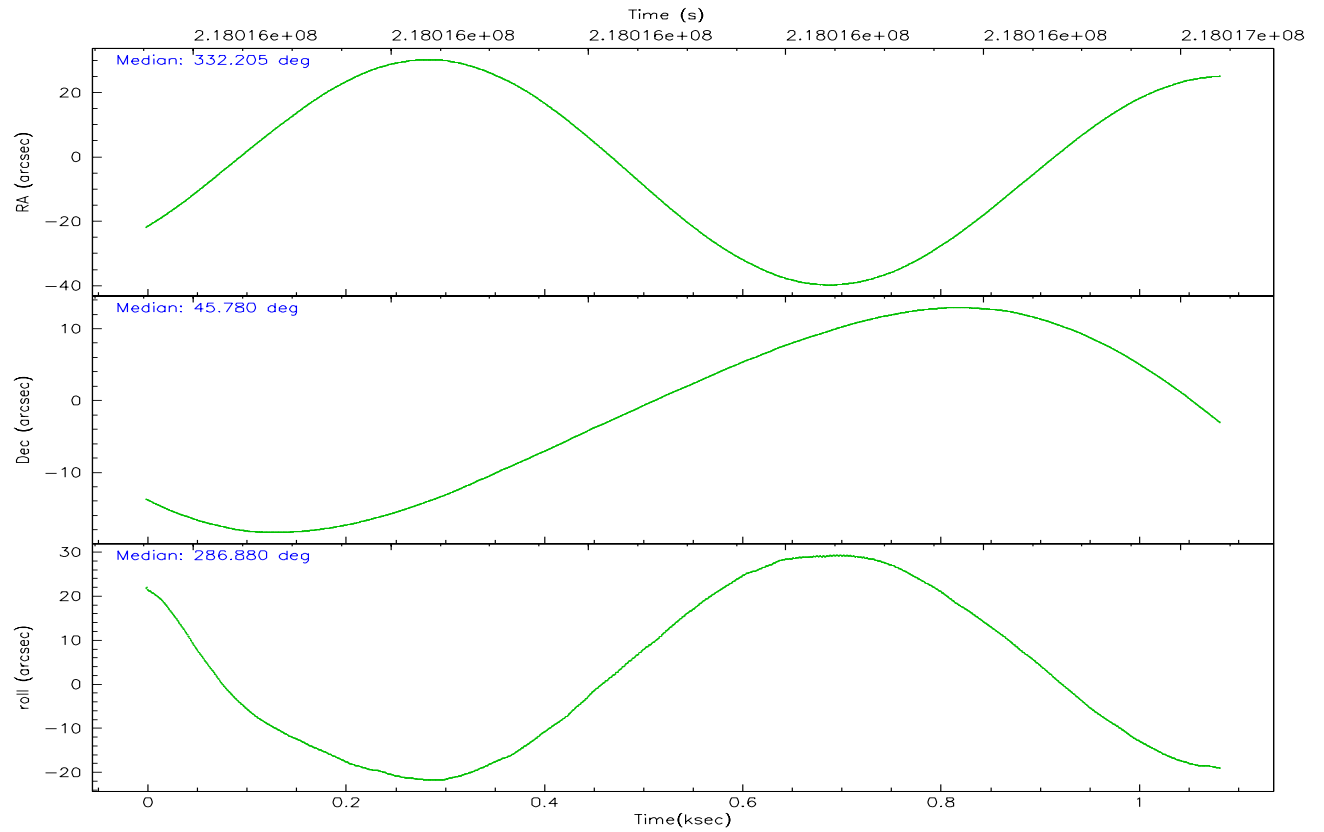
	segment 1	segment 2	segment 3
level 1 events	920	83267	816
rejected events	920	30884	801
rejected %	100%	37%	98%

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	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.172356	332.2044351620198			
Pointing Dec	45.797831	45.77953214514248			
Pointing Roll	286.842399	286.8867791886445			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	218015733.184000	218015356.94355			
Observation start date	2004-11-28T07:54:29	2004-11-28T07:49:16			
Observation end time	218016633.184000	218016767.34361			
Observation end date	2004-11-28T08:09:29	2004-11-28T08:12:47			

2.3 Aspect



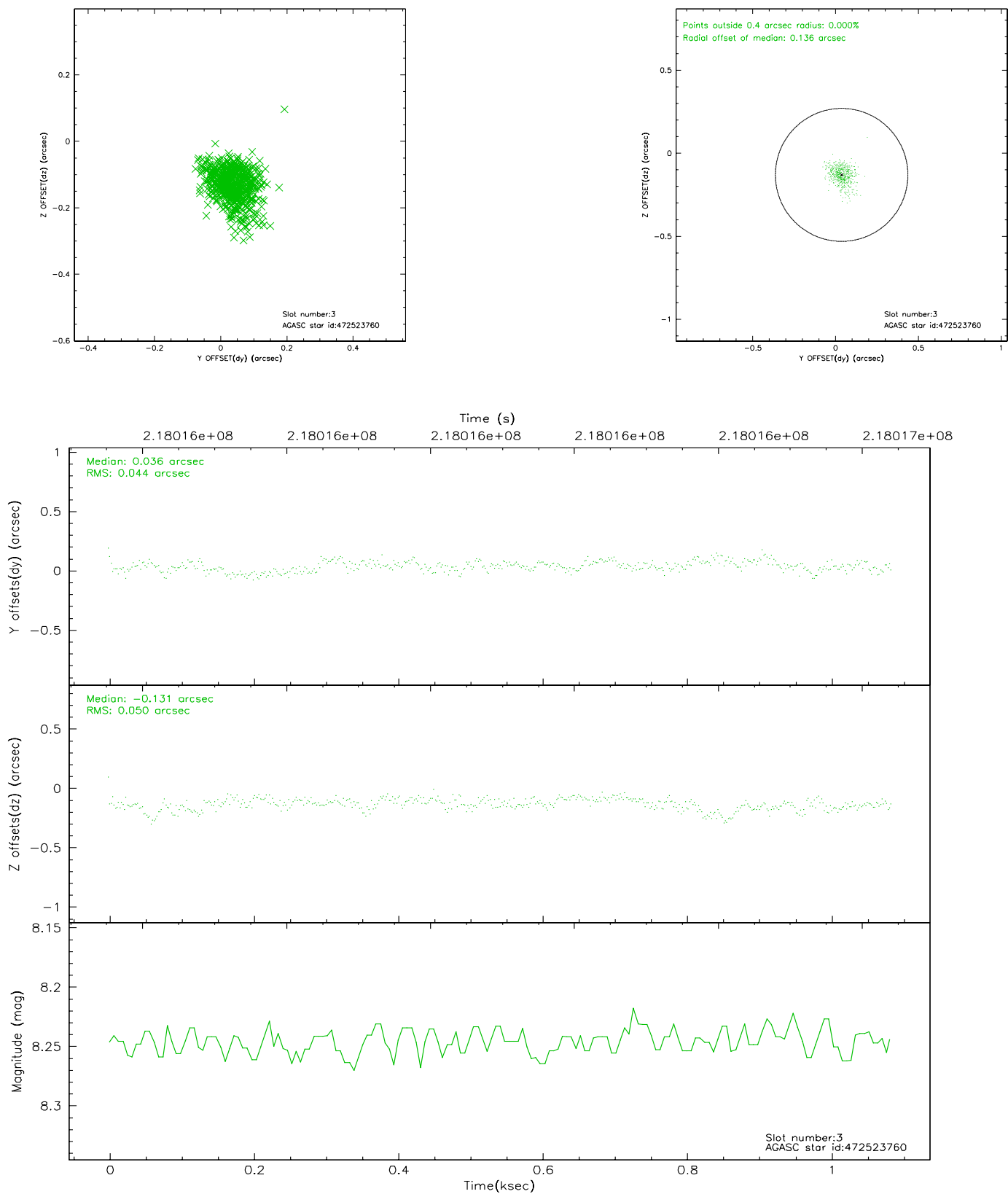


Slot Statistics

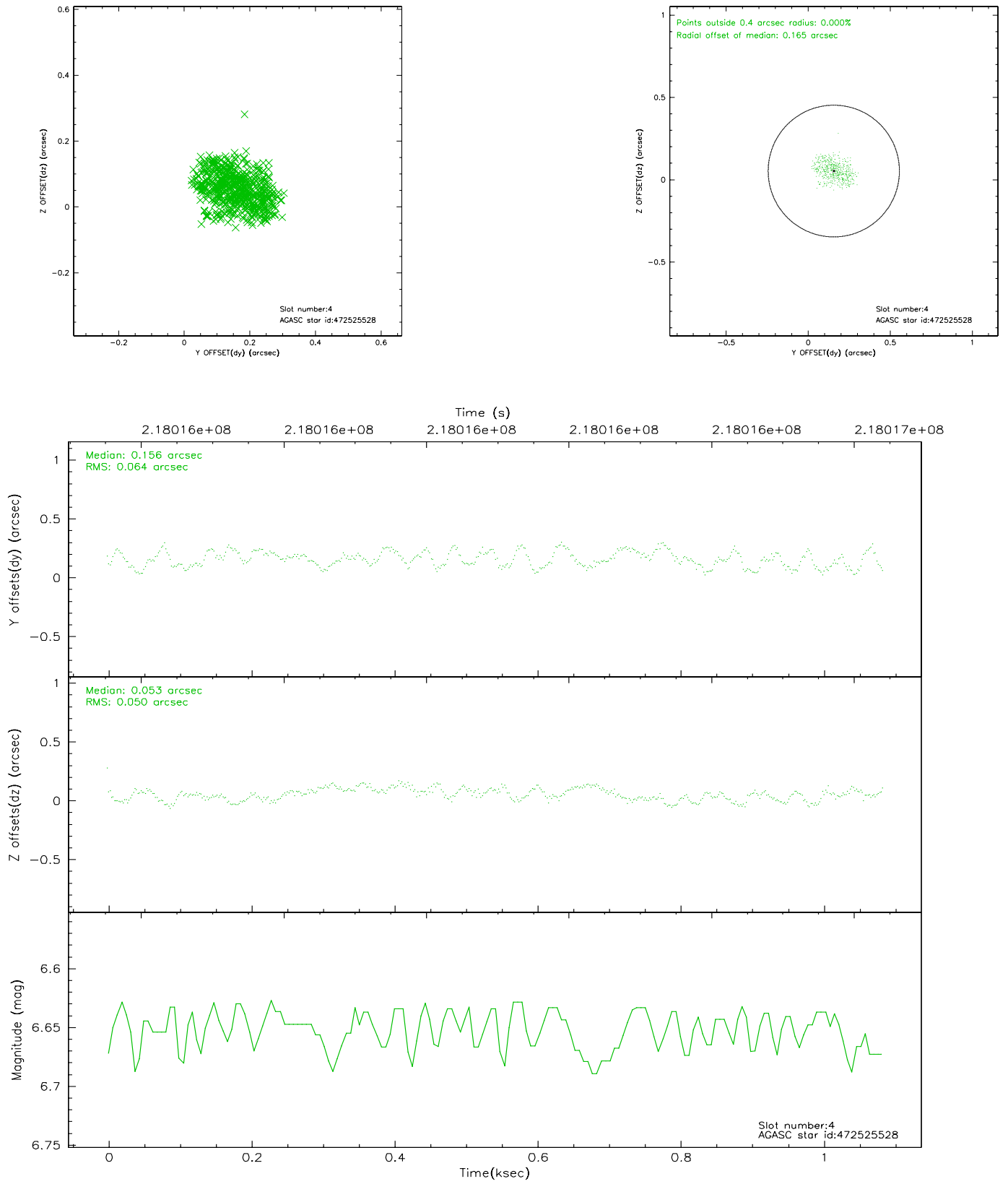
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.04	265	0.142	-0.156	0.008	0.019	0.000000	0.000000	1238.24	-449.58
1	FID	HRC-S-3	7.05	265	0.071	-0.095	0.006	0.010	0.000000	0.000000	-1159.57	570.94
2	FID	HRC-S-4	7.00	265	0.192	-0.044	0.008	0.018	0.000000	0.000000	1232.48	577.42
3	GUIDE	472523760	8.25	530	0.036	-0.131	0.068	0.119	331.645363	45.403260	969.98	-1686.95
4	GUIDE	472525528	6.65	530	0.156	0.053	0.093	0.128	331.551102	45.248694	1432.63	-2082.73
5	GUIDE	472533912	9.15	530	-0.050	0.095	0.093	0.144	331.791136	46.368695	-2240.50	-316.04
6	GUIDE	472535576	7.85	530	-0.154	-0.050	0.055	0.090	331.438373	46.291802	-2243.02	-1232.45
7	GUIDE	472659832	9.46	529	0.007	0.018	0.104	0.180	332.780399	46.098139	-604.60	1763.66

2.4 Star Slots

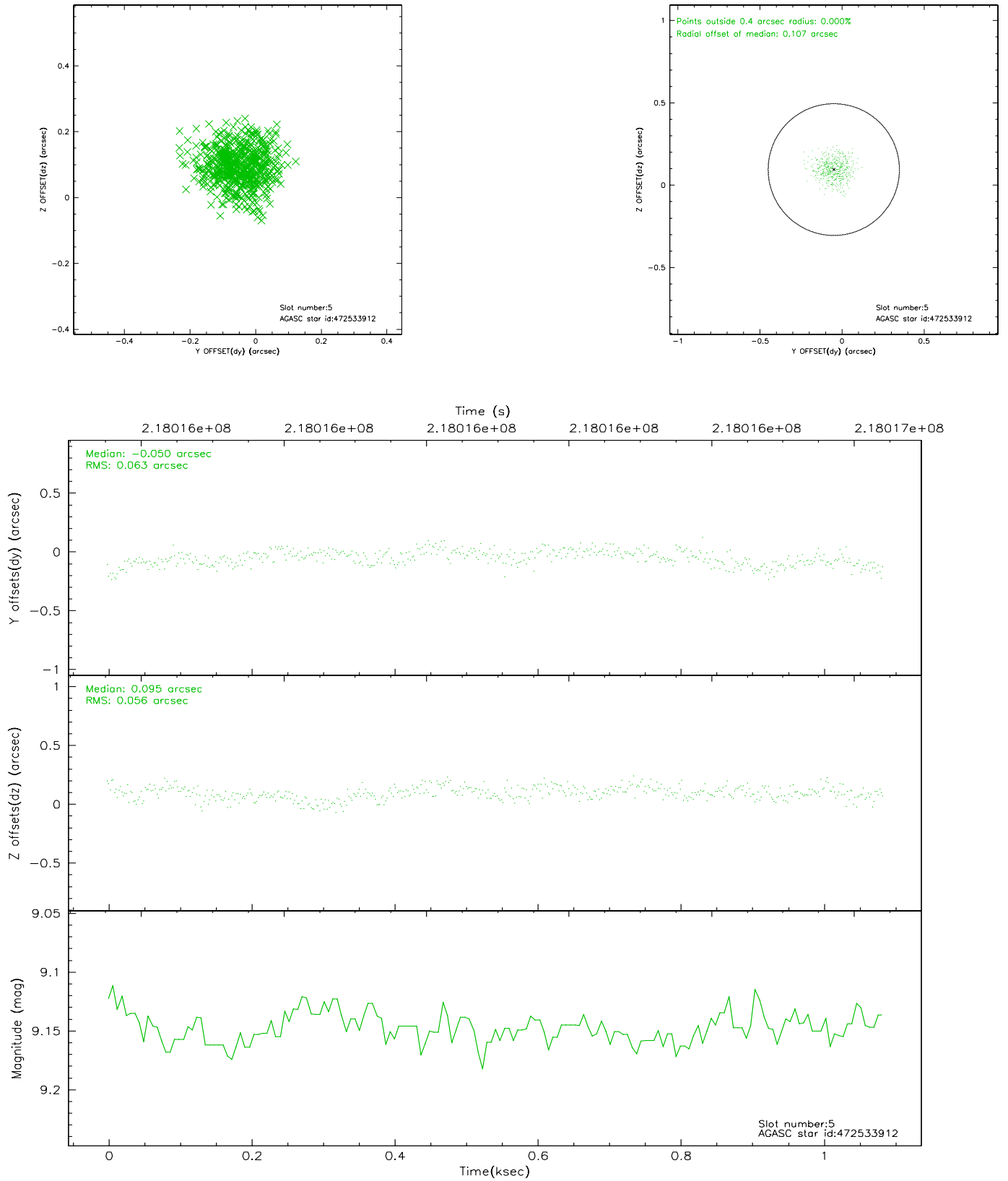
2.4.1 Slot 3



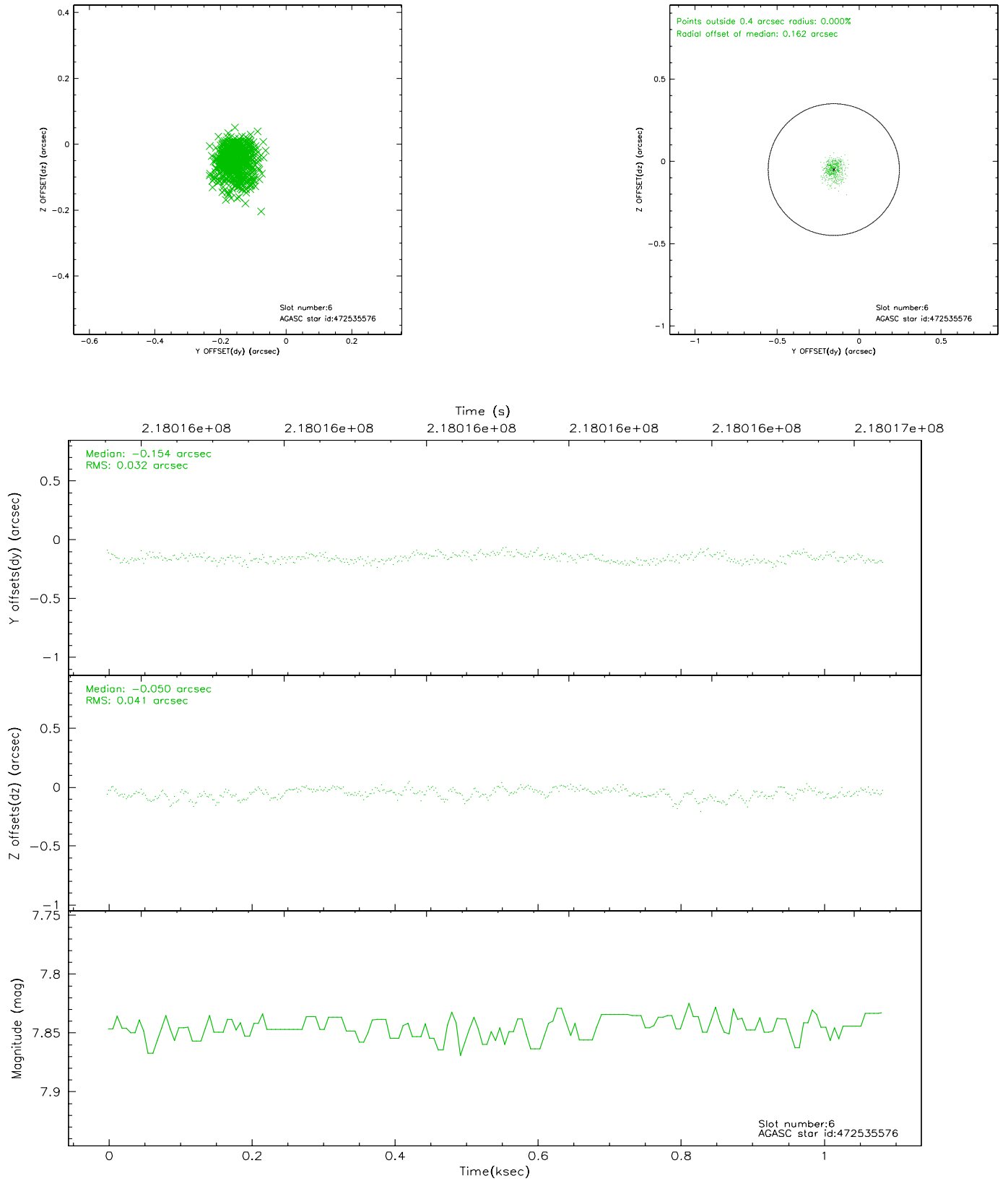
2.4.2 Slot 4



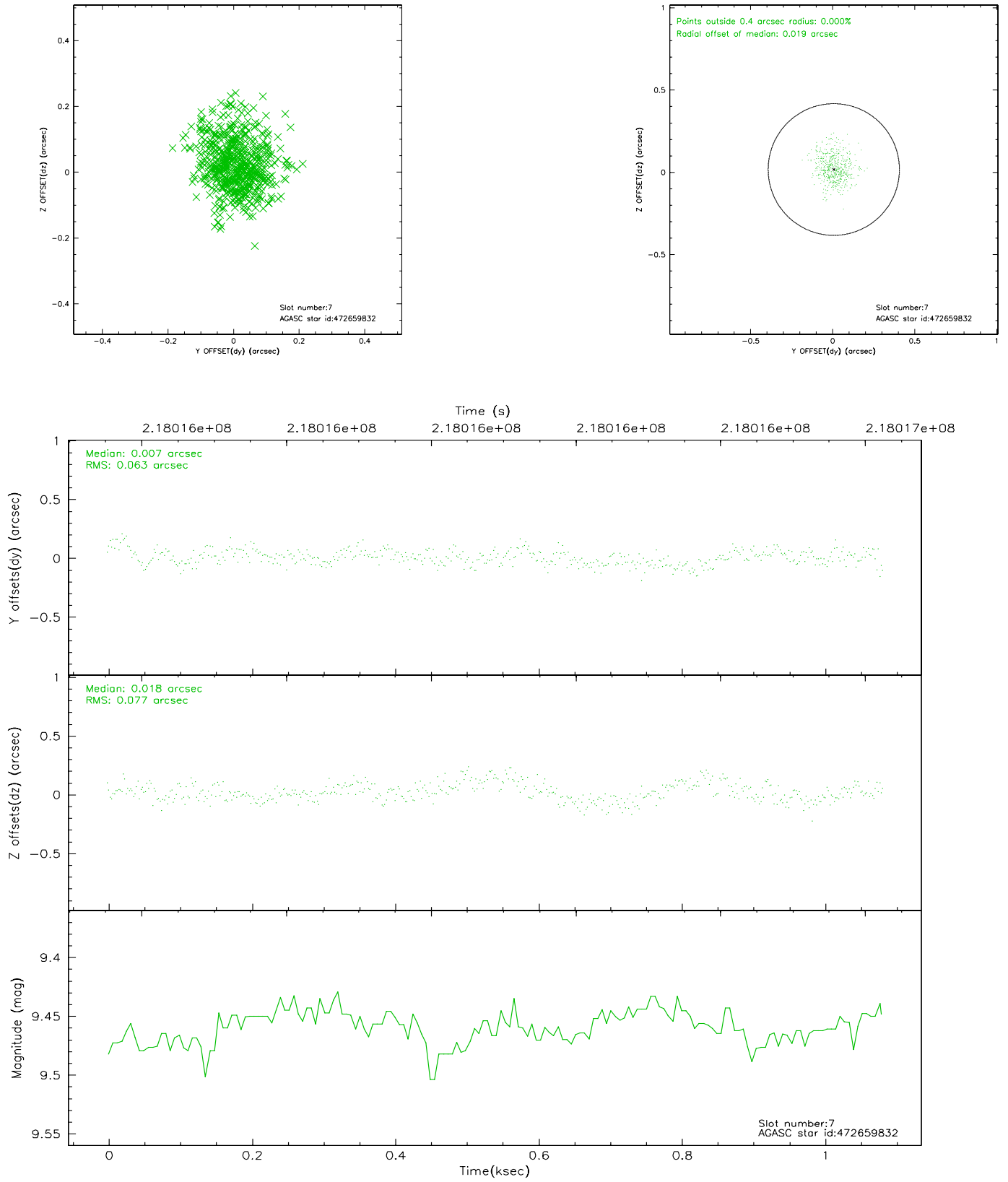
2.4.3 Slot 5



2.4.4 Slot 6

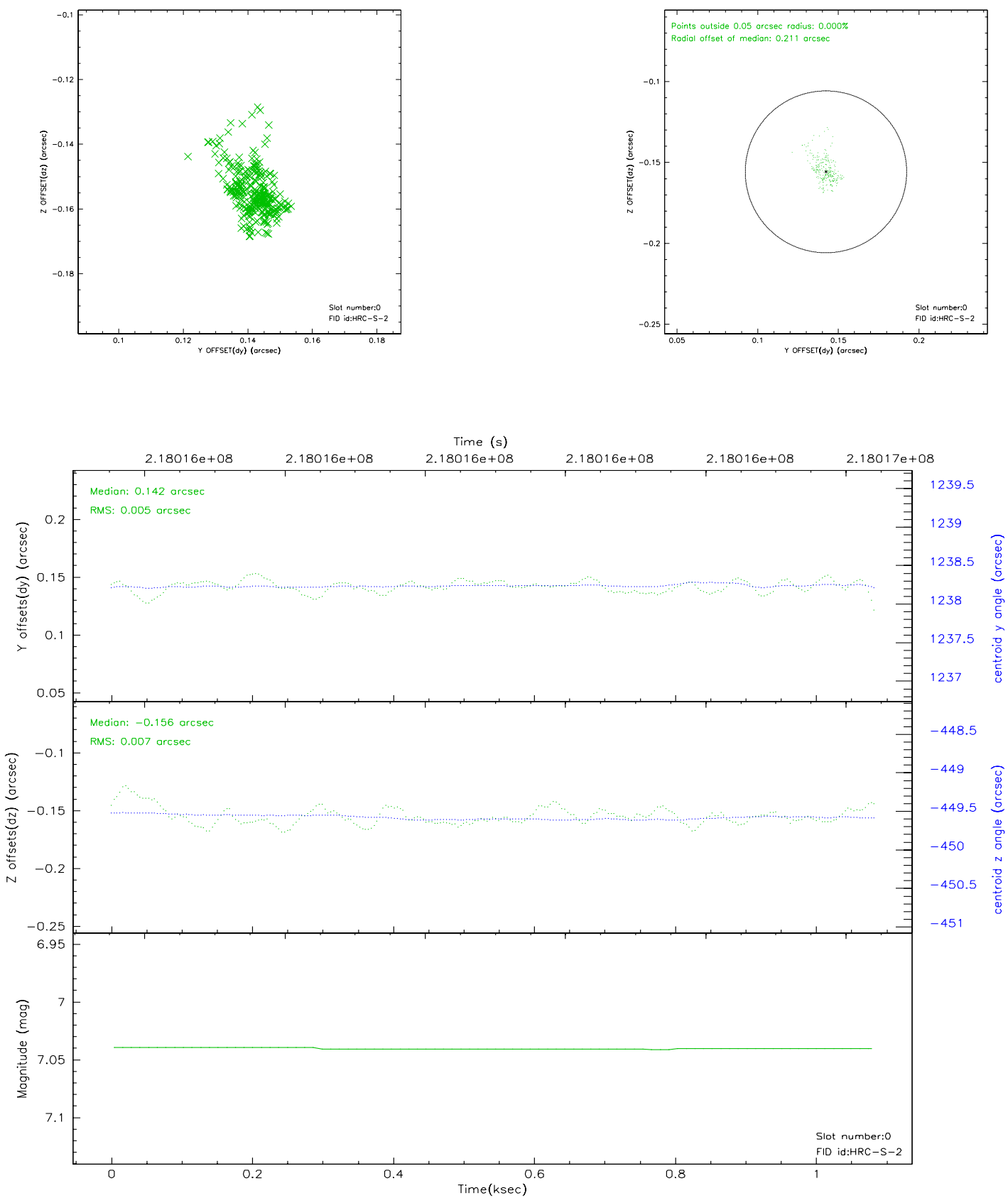


2.4.5 Slot 7

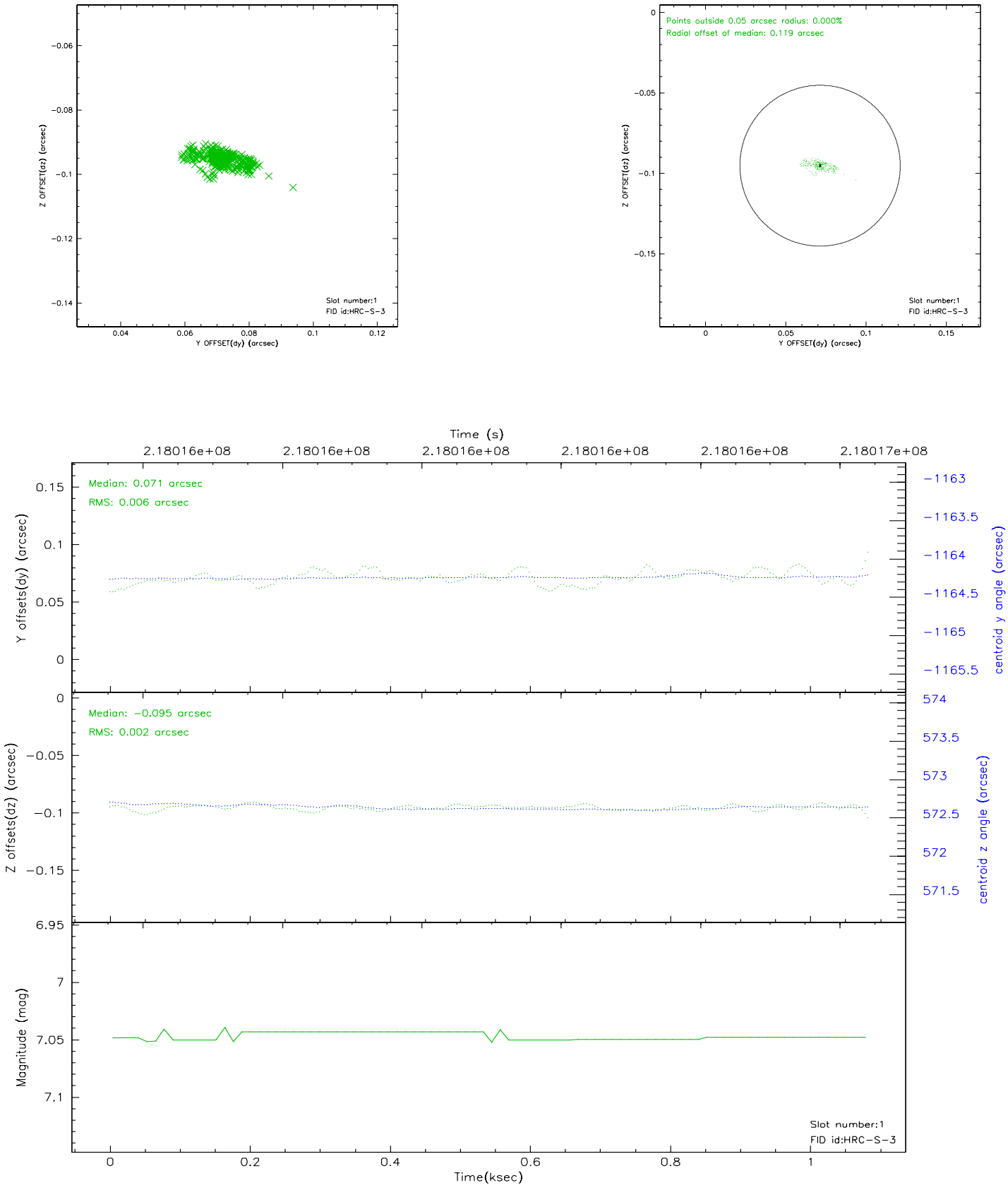


2.5 FID Slots

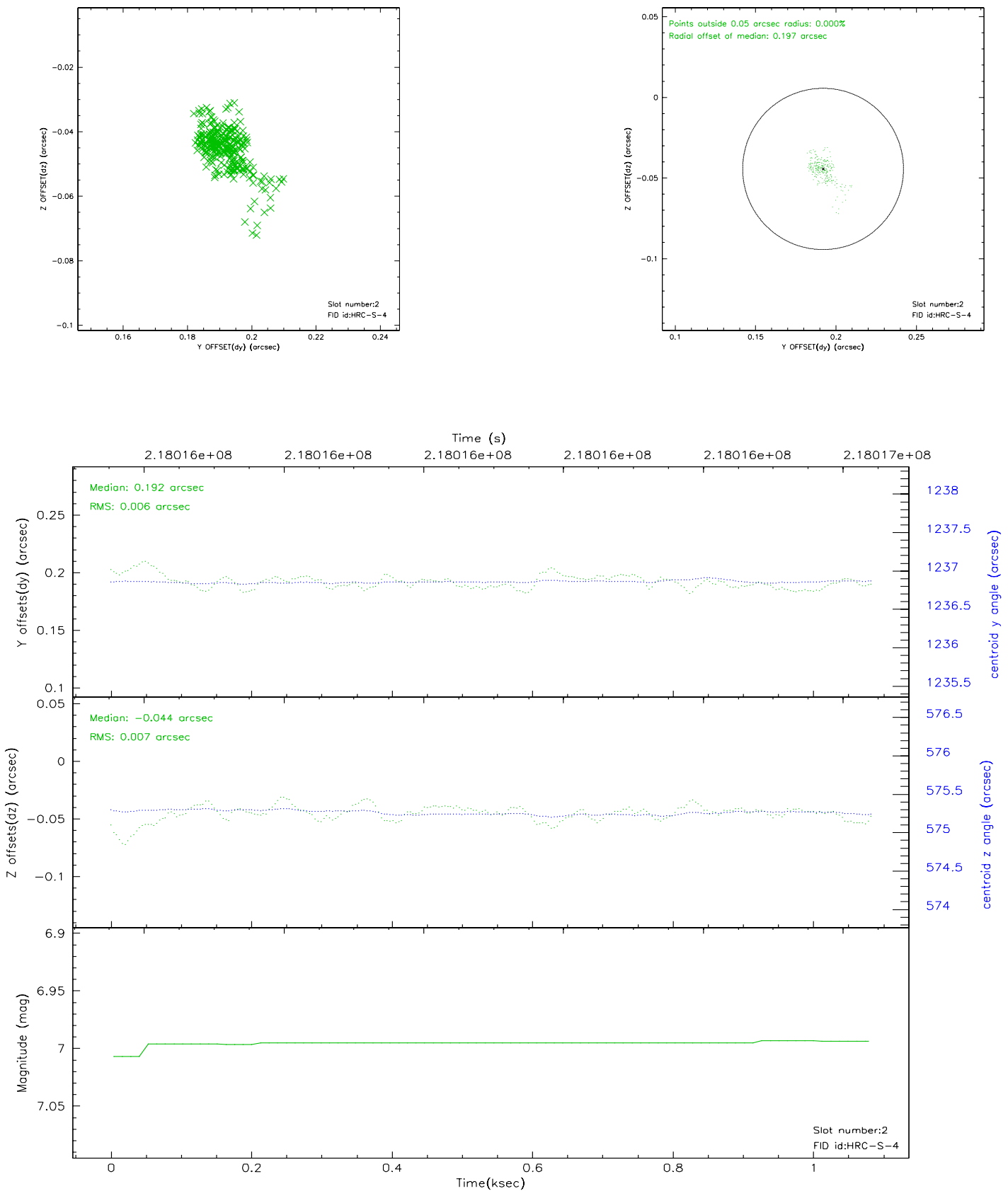
2.5.1 Slot 0



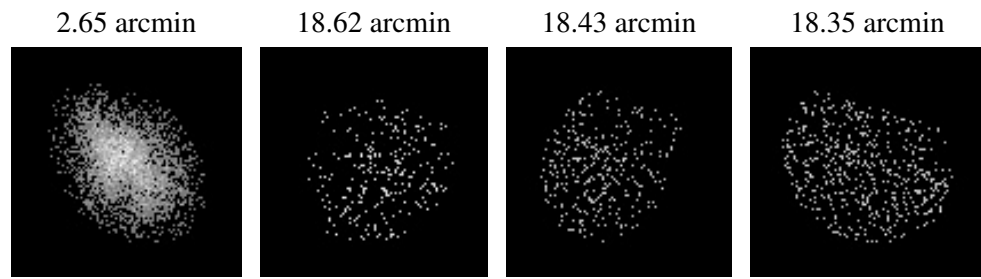
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.054981

A.2 Comments

The keywords DTCOR, EXPOSURE, and LIVETIME in the Level 2 event file and the keyword DTCOR in the Level 1 event file have been incorrectly determined due to a software bug. The correct value of DTCOR can be found in the file DTFSTATS file that can be obtained by downloading the Secondary Data Products. In most cases, the difference between the correct DTCOR value and the incorrect DTCOR value in the Level 2 event file is very small and does not affect the data analysis. However, there are cases of significant differences and the user is advised to use the DTCOR in the DTFSTATS file for analysis. Corrected data products will be made available in the archive as soon as feasible.