

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5507 - L2 Version 003
Chandra X-Ray Center

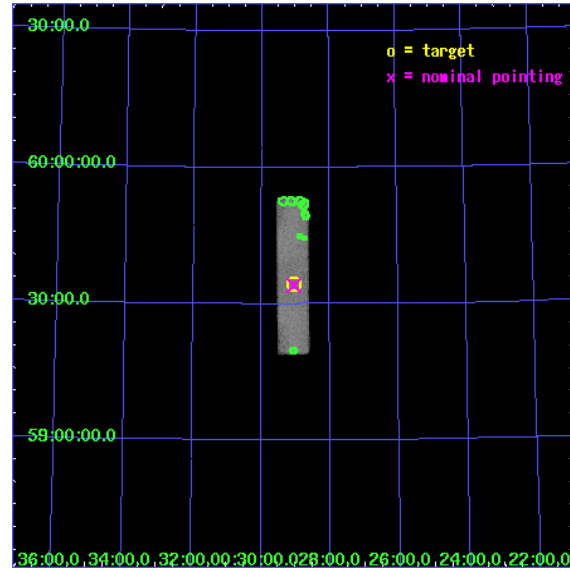
L2 Processing Date : Apr 8 2006

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1 Front

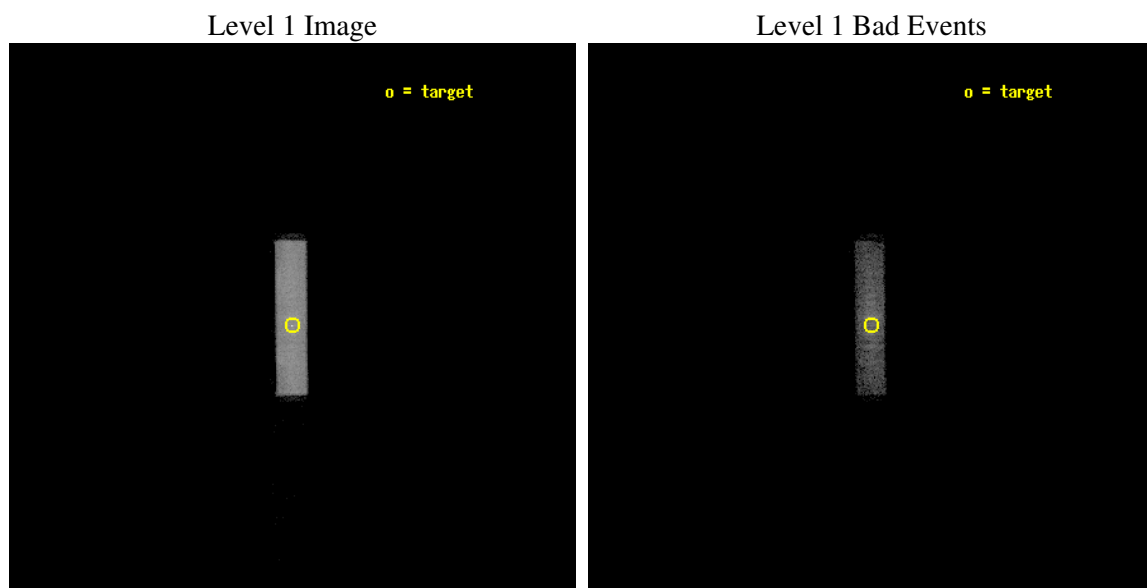
seq_num	400437
obs_id	5507
title	Precise Localization of Neutron Star Soft X-ray Transients
observer	Prof. Deepto Chakrabarty
object	IGR J00291+5934
ra_targ	7.26275
dec_targ	59.571944
ra_nom	7.2622602872104
dec_nom	59.56817125582
roll_nom	269.48927638048
revision	3
ontime	1042.6812969148
livetime	1042.2534009798
l2events	66092



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-08T19:50:17
revision	3

sched_exp_time	1000.000000
ontime	1122.3750504851
l1events	90927

2.1.3 Events

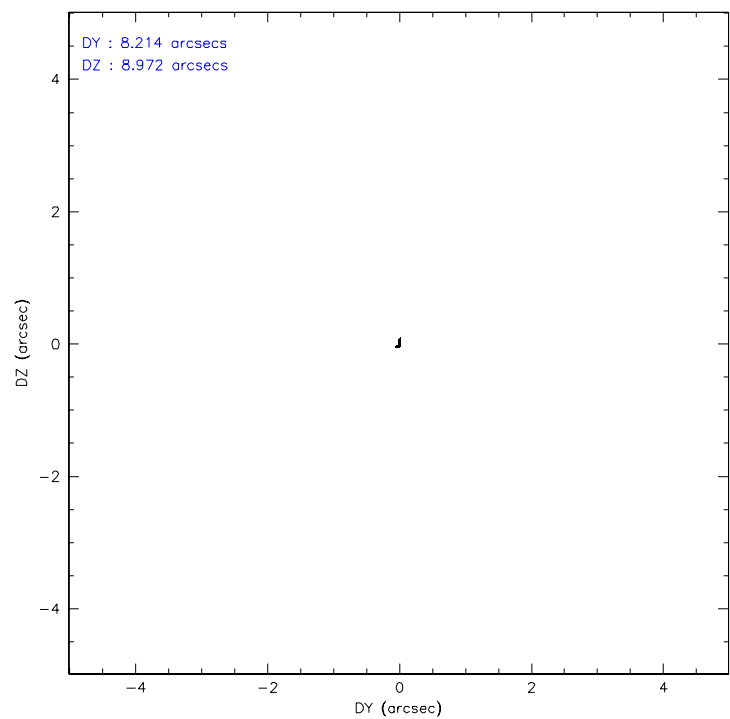
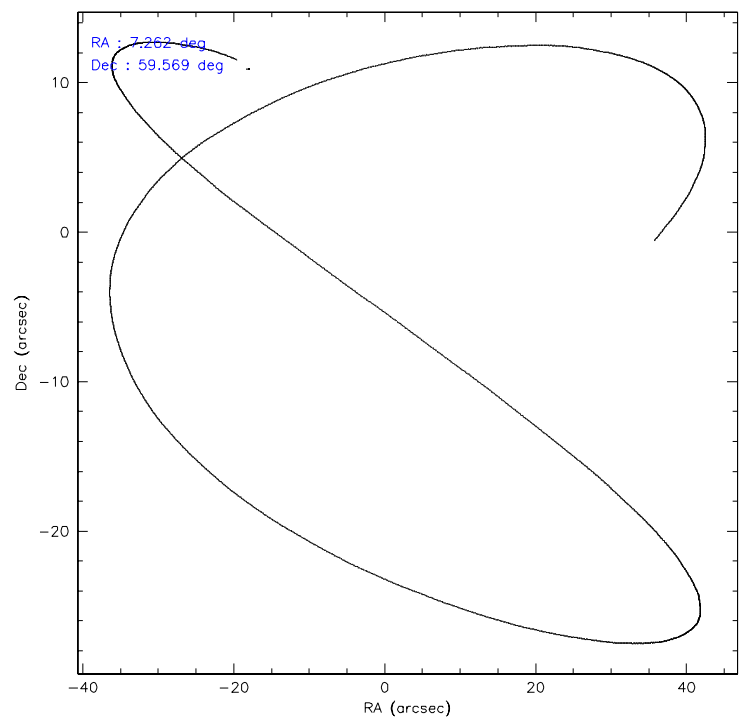
Level 1 Events

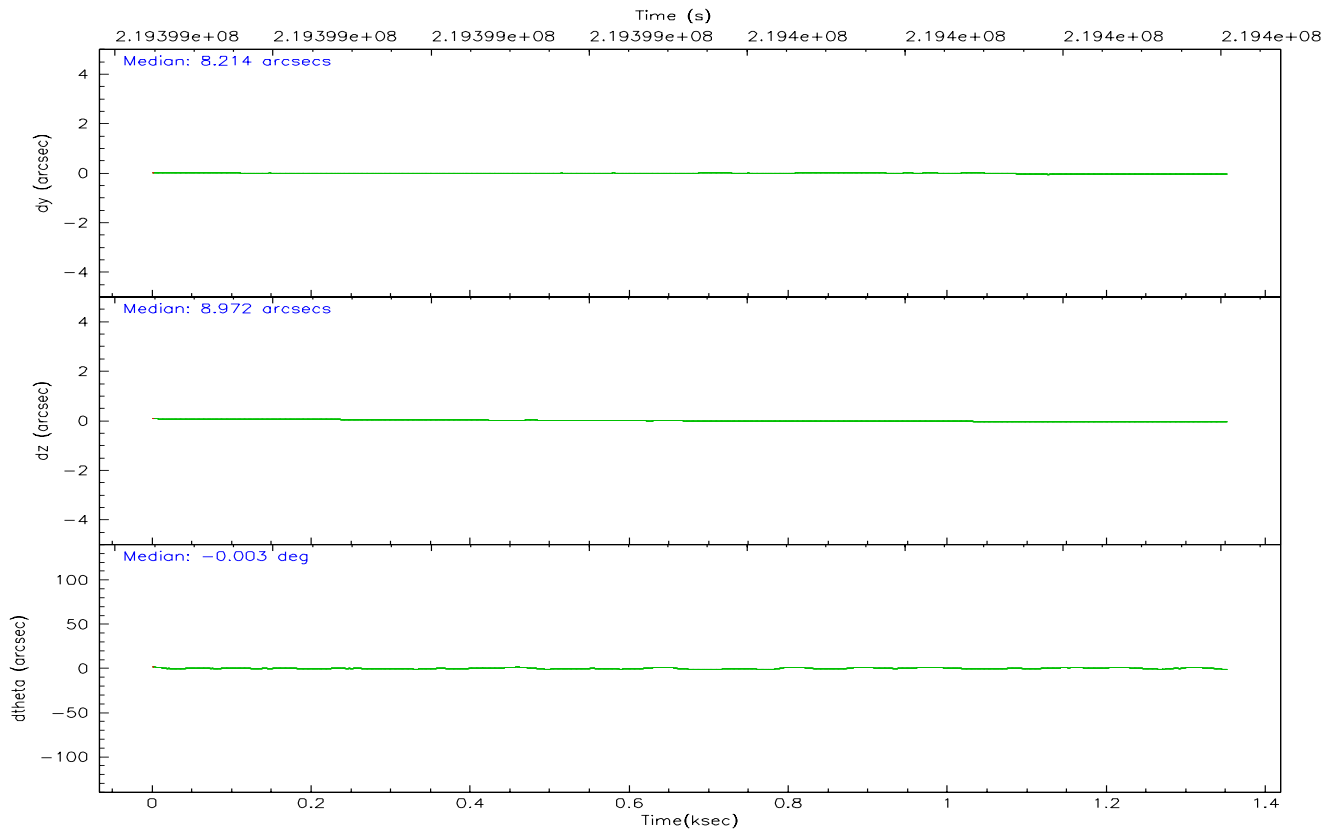
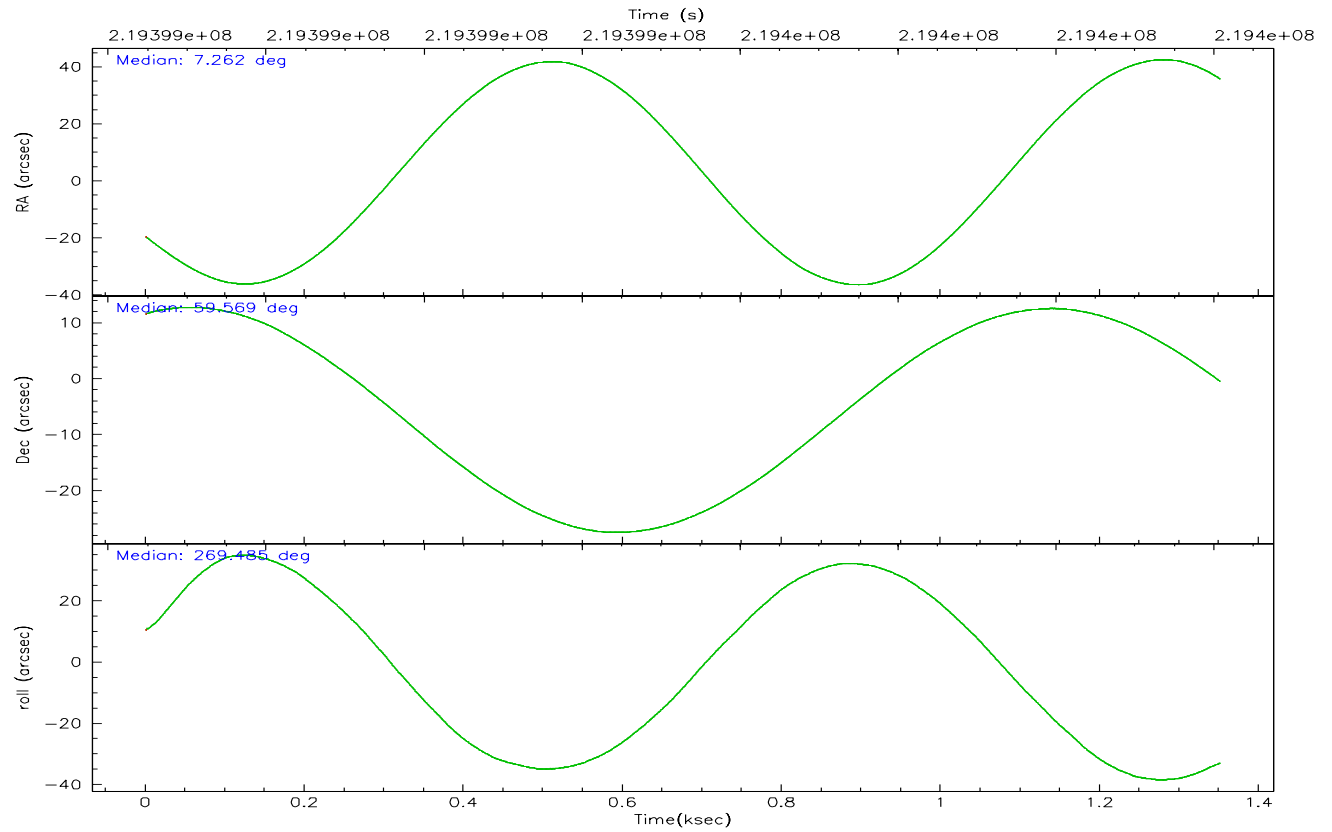
	segment 1	segment 2	segment 3
level 1 events	79	90835	13
rejected events	75	21376	13
rejected %	94%	23%	100%

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	7.232184	7.262260287210422			
Pointing Dec	59.591426	59.56817125581956			
Pointing Roll	269.447855	269.4892763804789			
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	219399200.184000	219398558.63076			
Observation start date	2004-12-14T08:12:16	2004-12-14T08:02:38			
Observation end time	219400200.184000	219400864.36836			
Observation end date	2004-12-14T08:28:56	2004-12-14T08:41:04			

2.3 Aspect



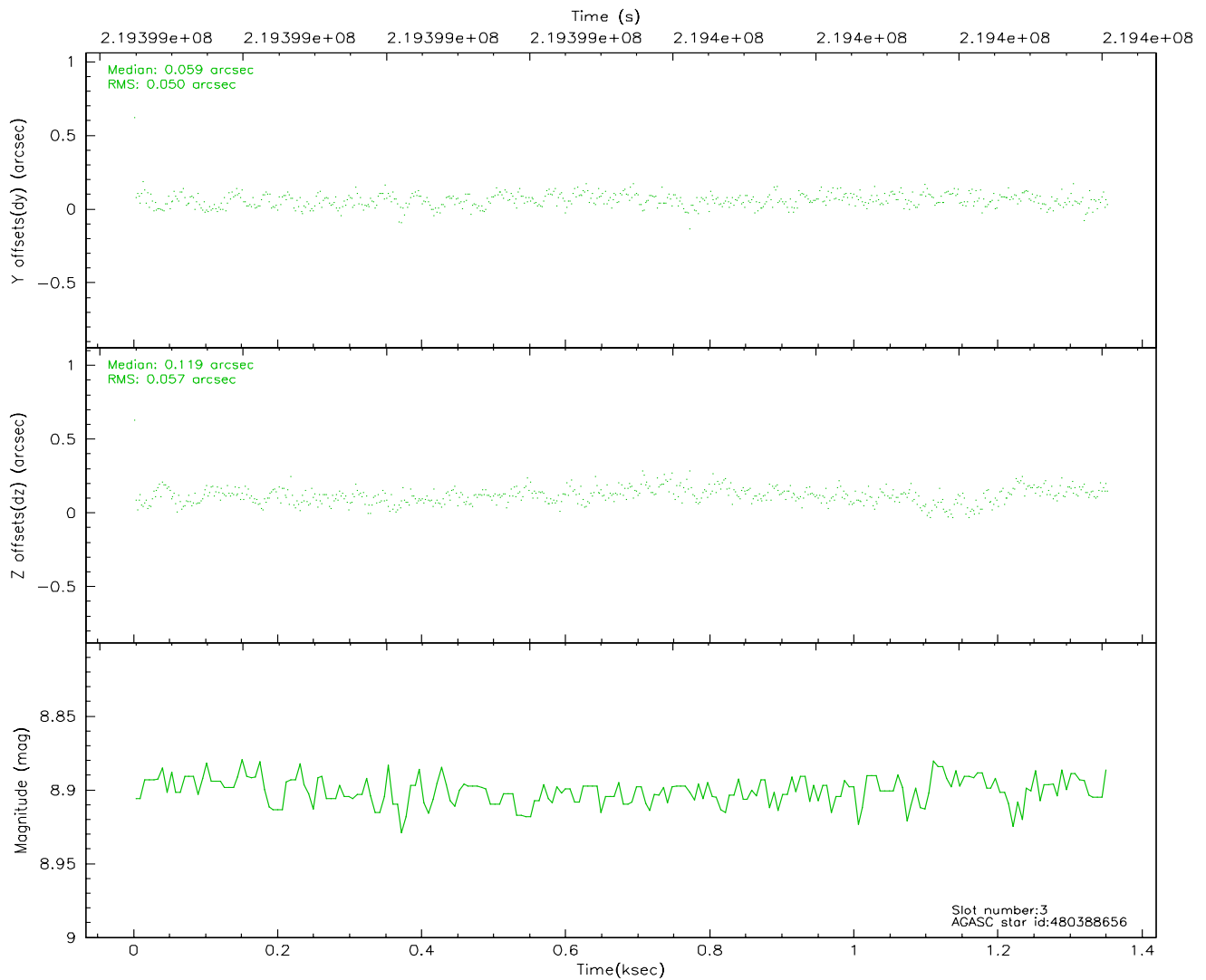
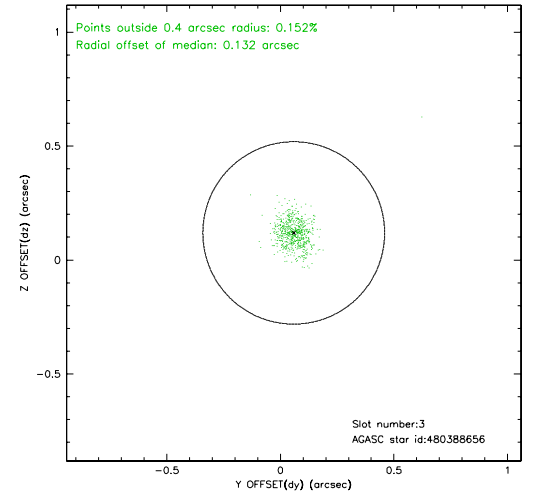
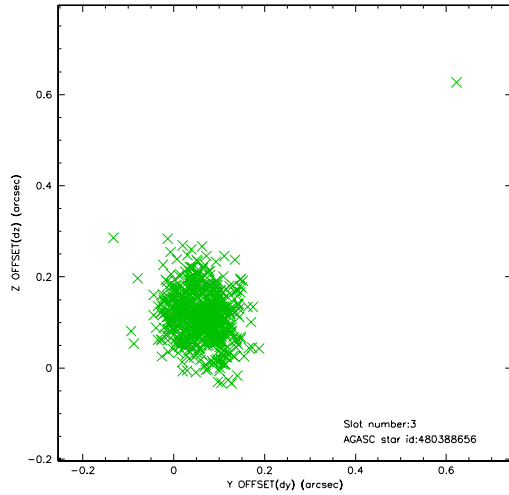


Slot Statistics

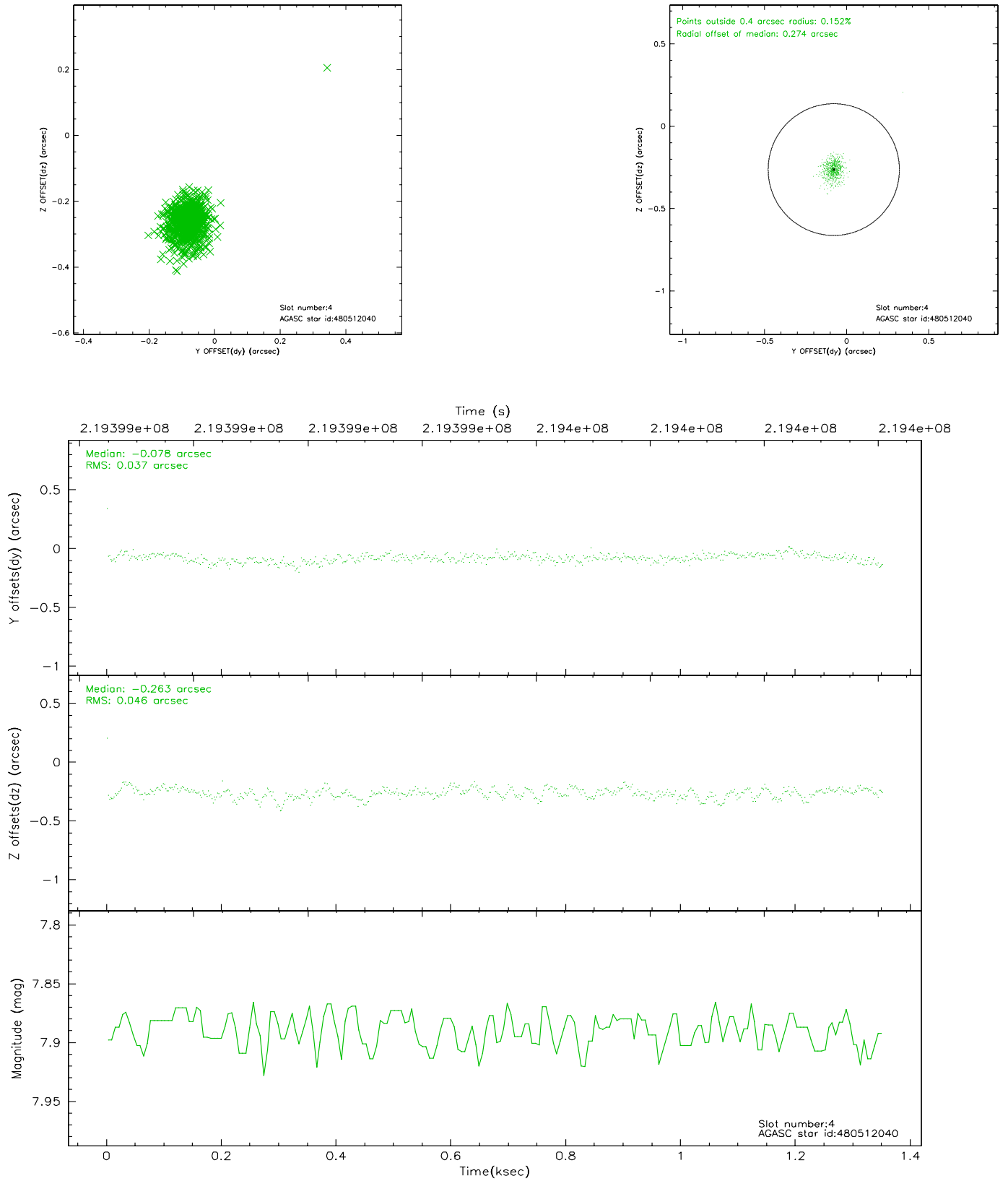
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	330	0.145	-0.165	0.007	0.011	0.000000	0.000000	-1162.38	-457.64
1	FID	HRC-S-2	7.01	330	0.144	-0.113	0.005	0.009	0.000000	0.000000	1233.78	-451.62
2	FID	HRC-S-3	7.03	330	0.101	-0.024	0.007	0.011	0.000000	0.000000	-1161.40	570.66
3	GUIDE	480388656	8.90	660	0.059	0.119	0.073	0.123	6.593066	59.181927	1483.38	-1163.75
4	GUIDE	480512040	7.89	660	-0.078	-0.263	0.056	0.096	7.309429	59.469475	443.10	144.07
5	GUIDE	480513376	8.59	660	0.223	-0.007	0.064	0.103	7.508901	59.105688	1746.83	529.25
6	GUIDE	480518776	8.14	660	-0.094	0.009	0.075	0.124	8.537557	59.899306	-1148.41	2346.54
7	GUIDE	526276608	8.59	659	-0.111	0.134	0.063	0.118	7.524994	60.151139	-2019.61	509.35

2.4 Star Slots

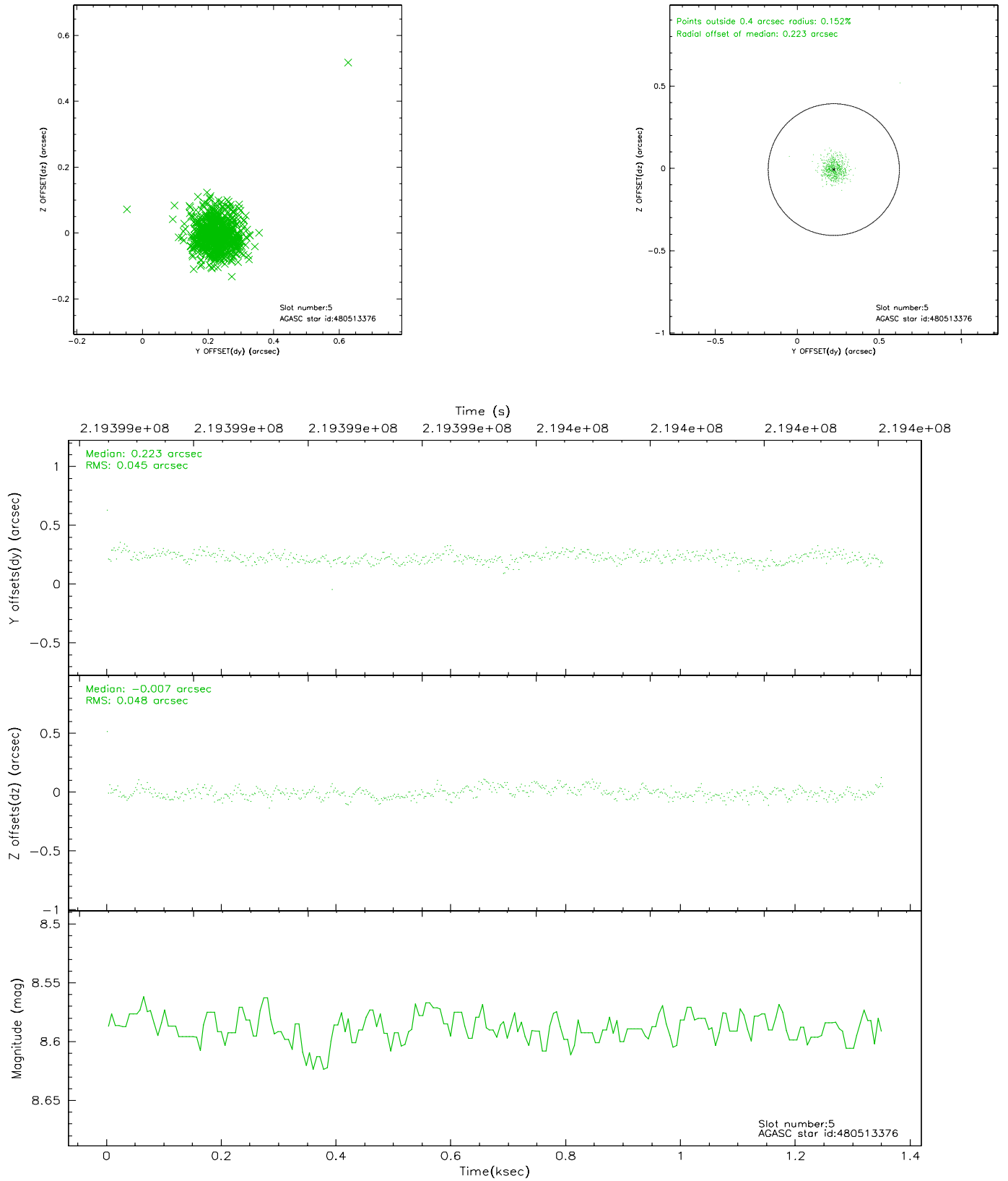
2.4.1 Slot 3



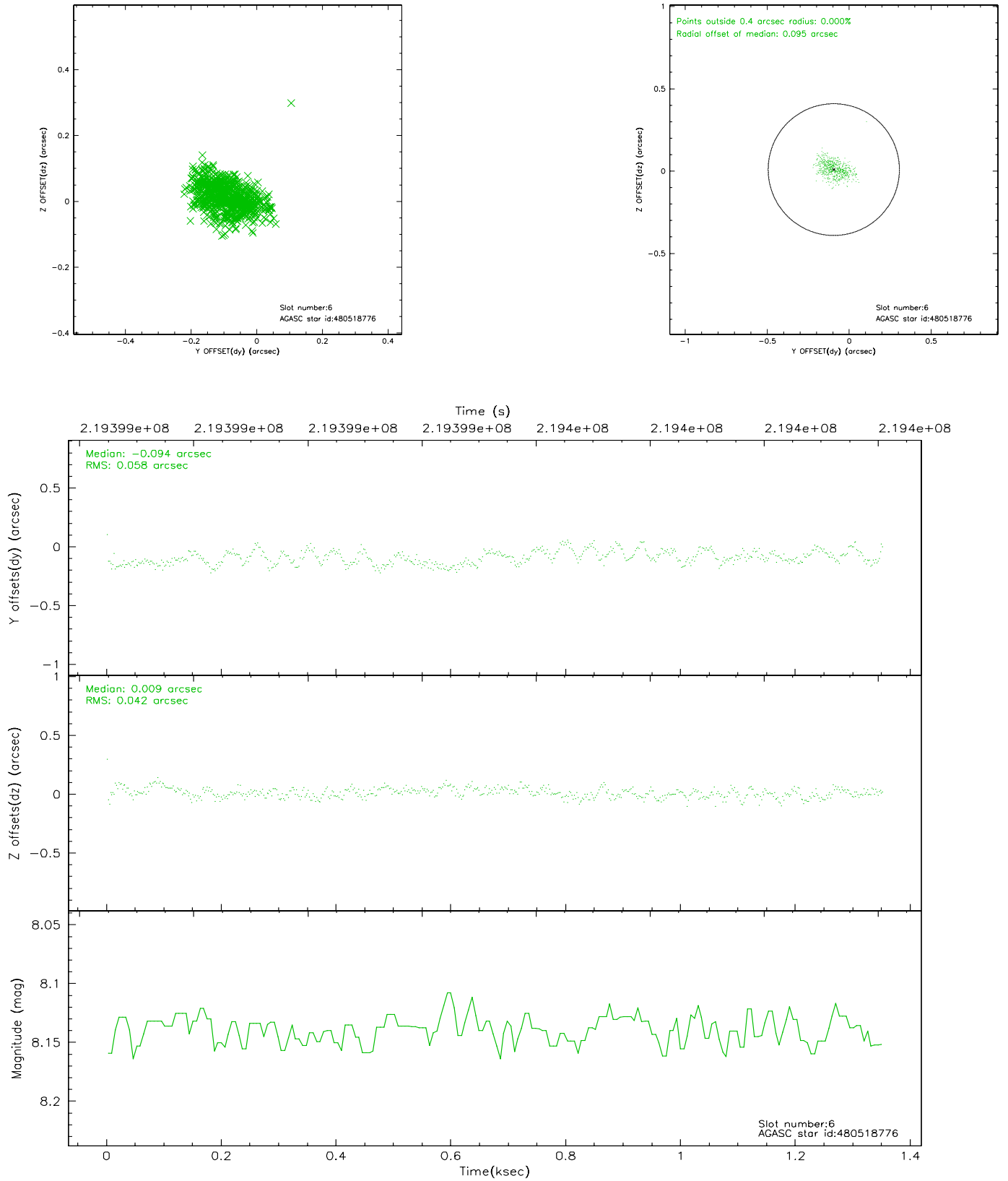
2.4.2 Slot 4



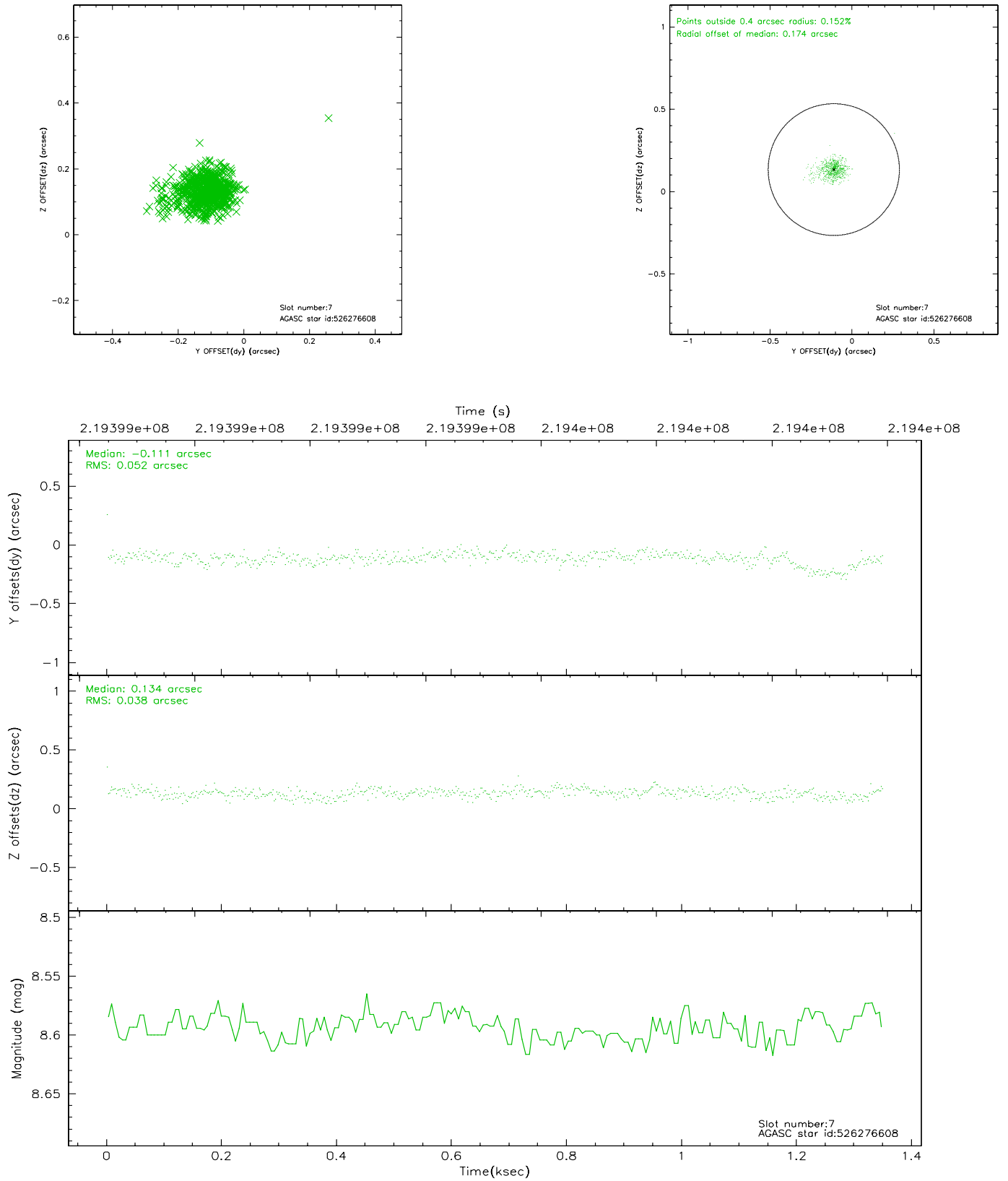
2.4.3 Slot 5



2.4.4 Slot 6

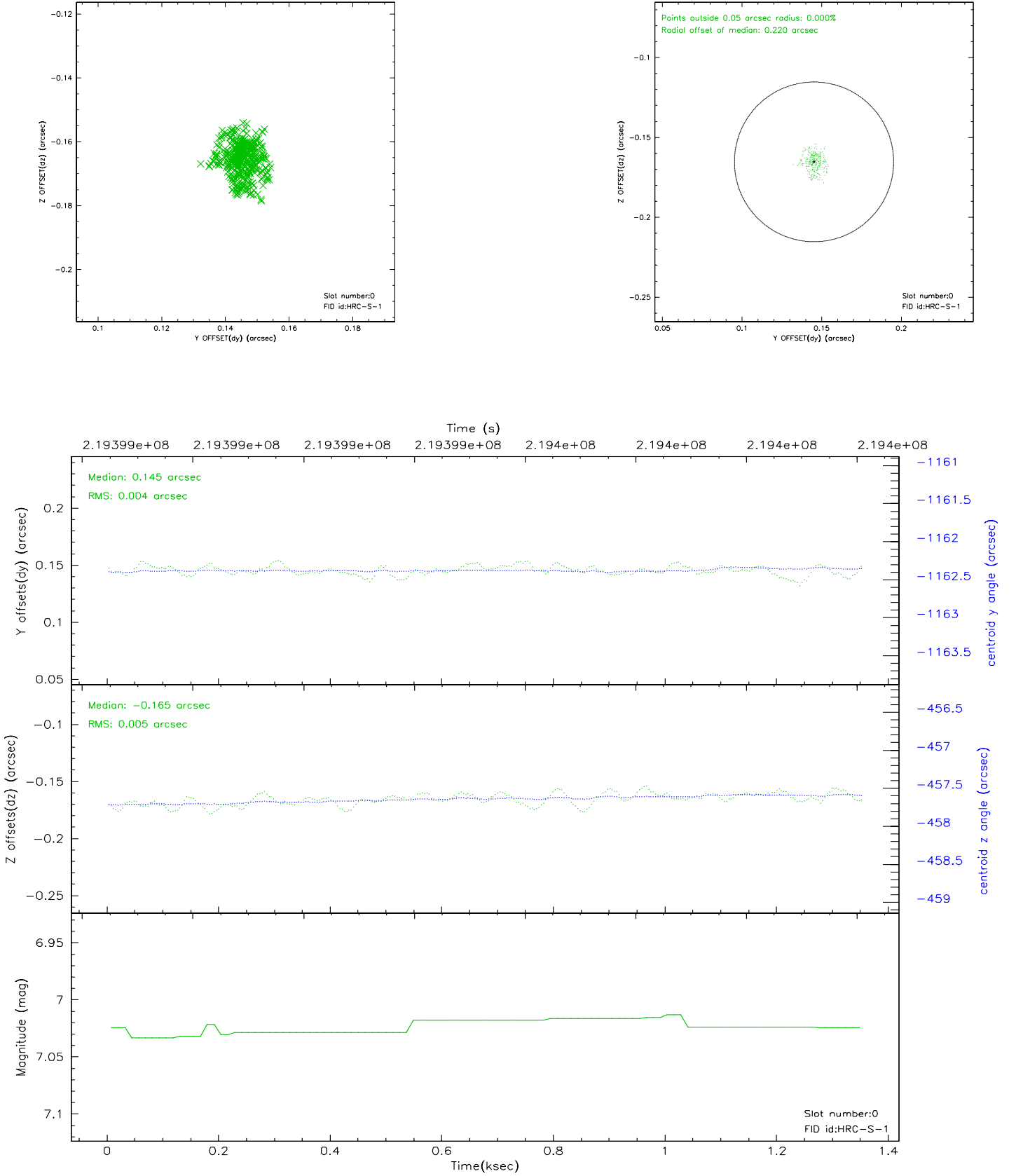


2.4.5 Slot 7

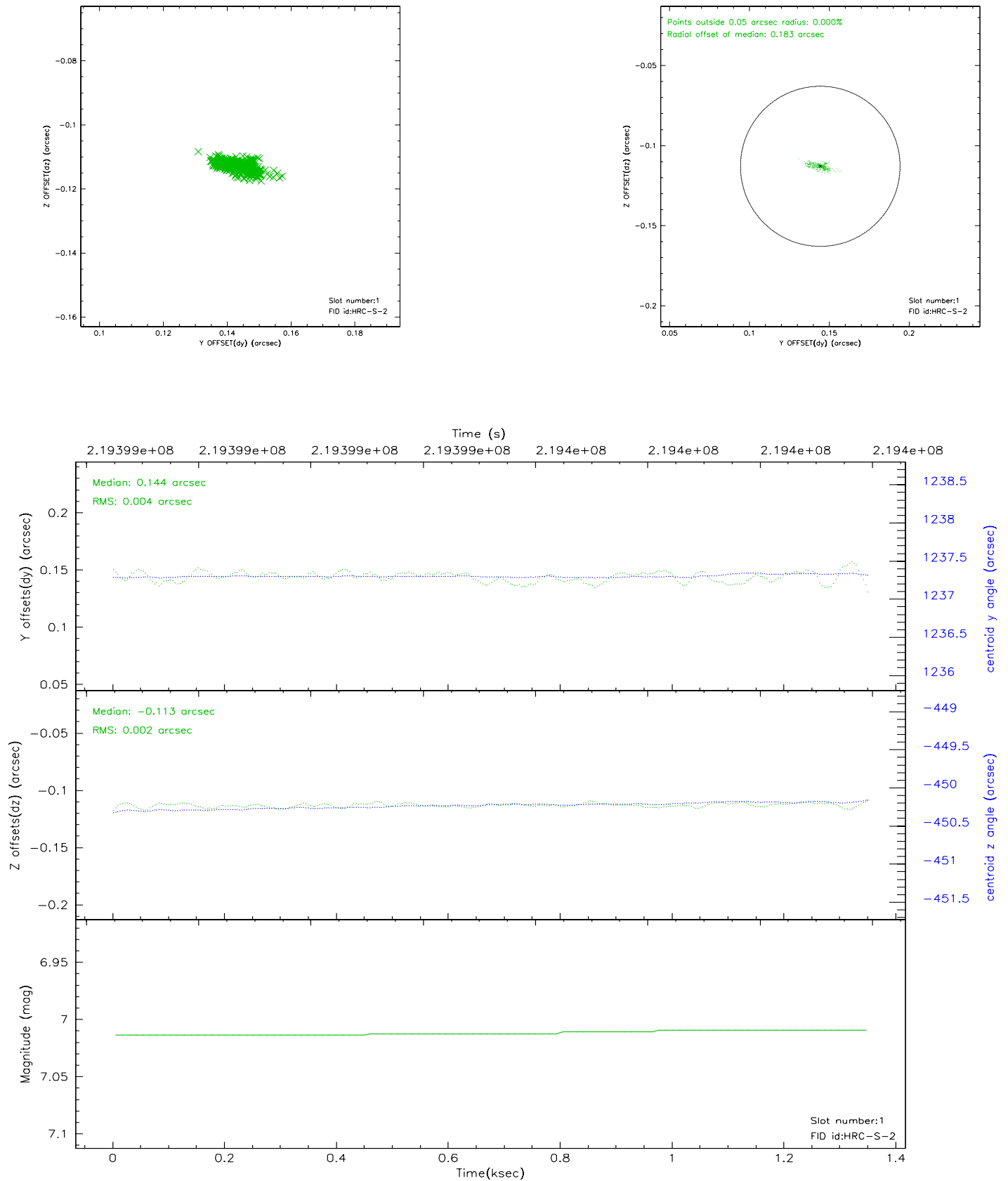


2.5 FID Slots

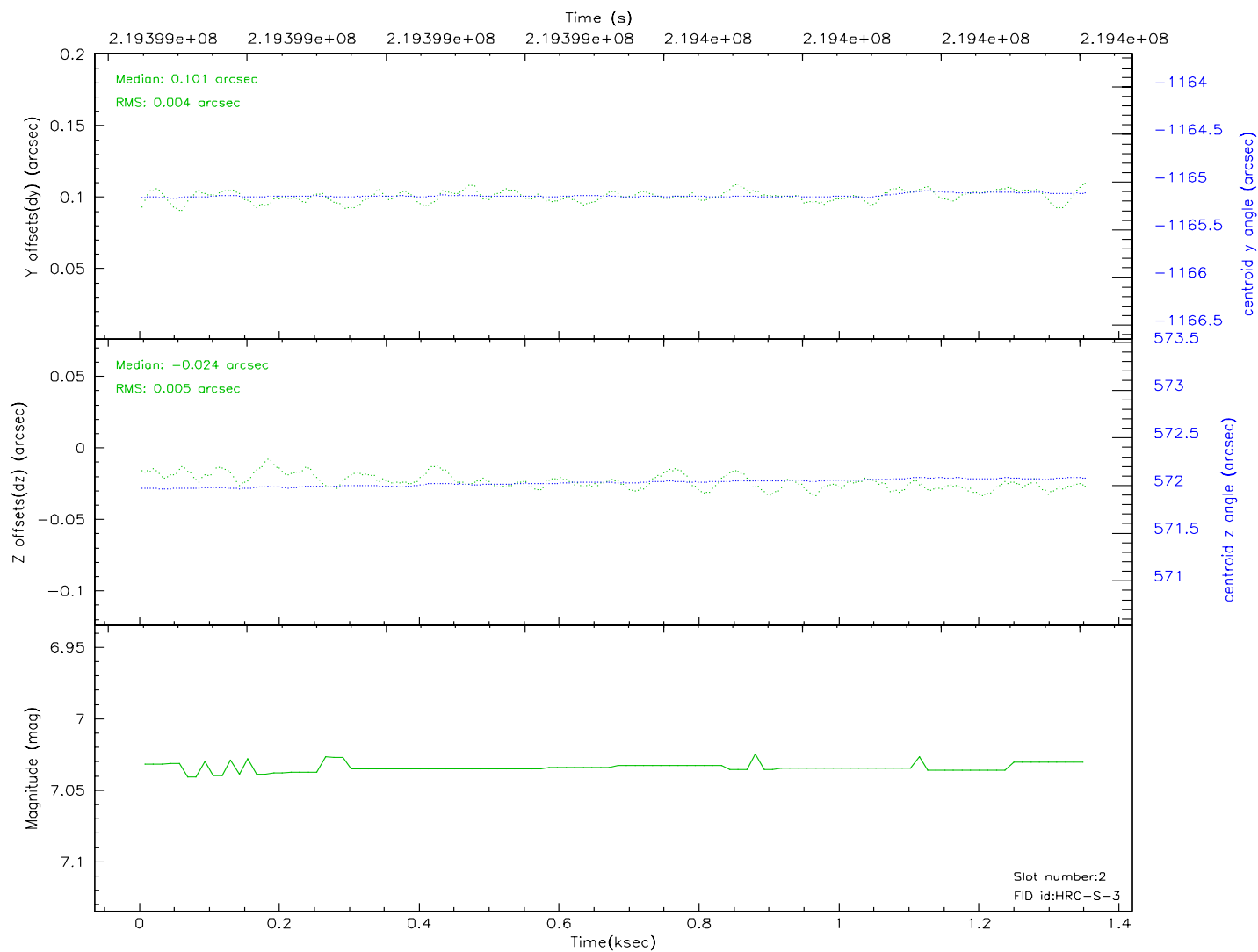
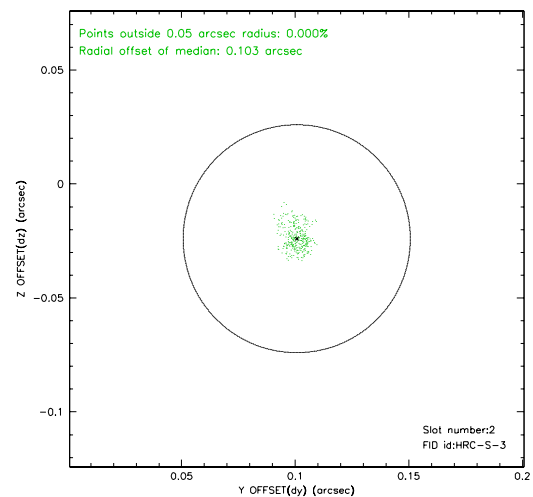
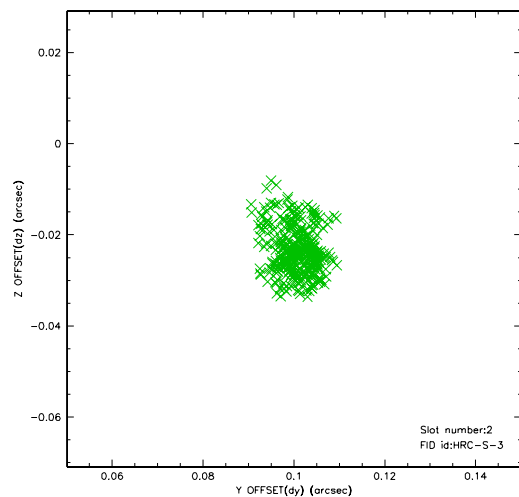
2.5.1 Slot 0



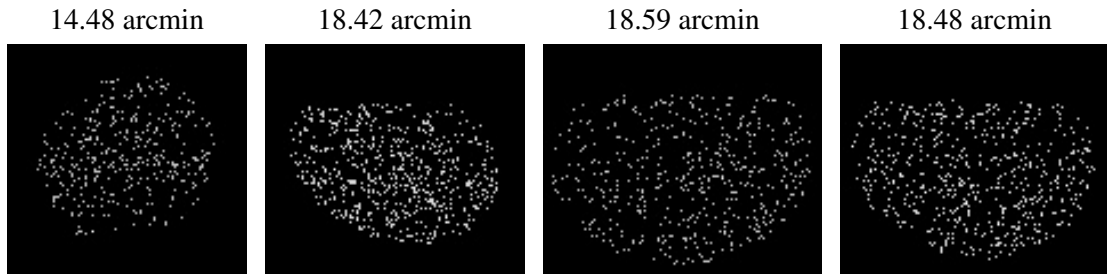
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.042681

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.

Count rate spikes at approx. 0.8 ksec.