

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2448 - L2 Version 001
Chandra X-Ray Center

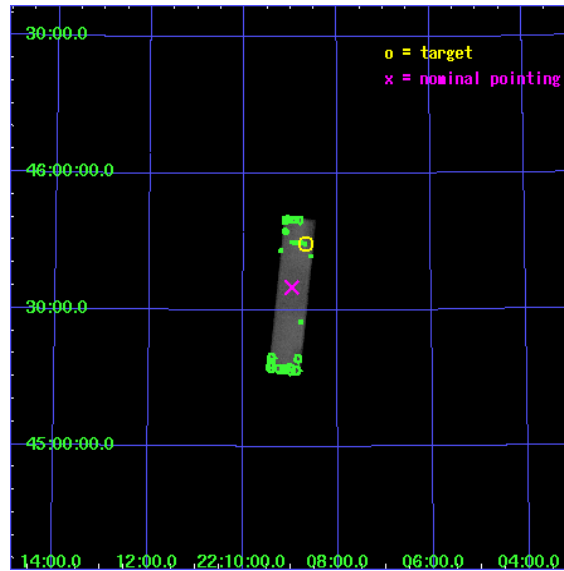
L2 Processing Date : Nov 21 2006

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1 Front

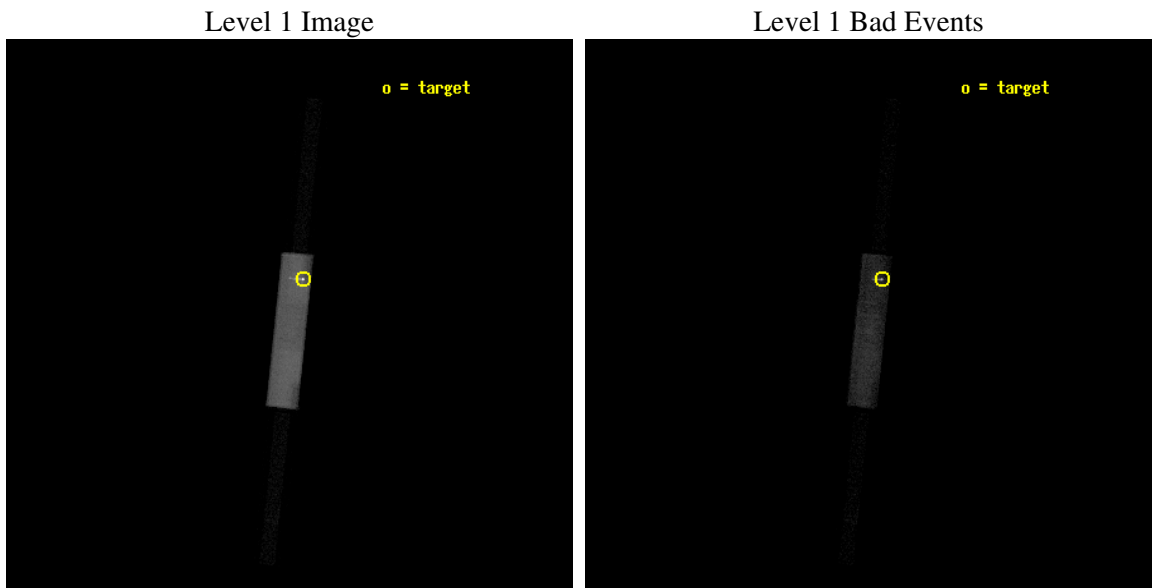
seq_num	290078
obs_id	2448
title	HRC-S CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.24203357125
dec_nom	45.583747991668
roll_nom	95.898607412701
revision	4
ontime	1376.8313034922
livetime	1357.9741330975
l2events	140539



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-21T15:49:25
revision	3

sched_exp_time	1234.000000
ontime	1422.7000552714
l1events	204790

2.1.3 Events

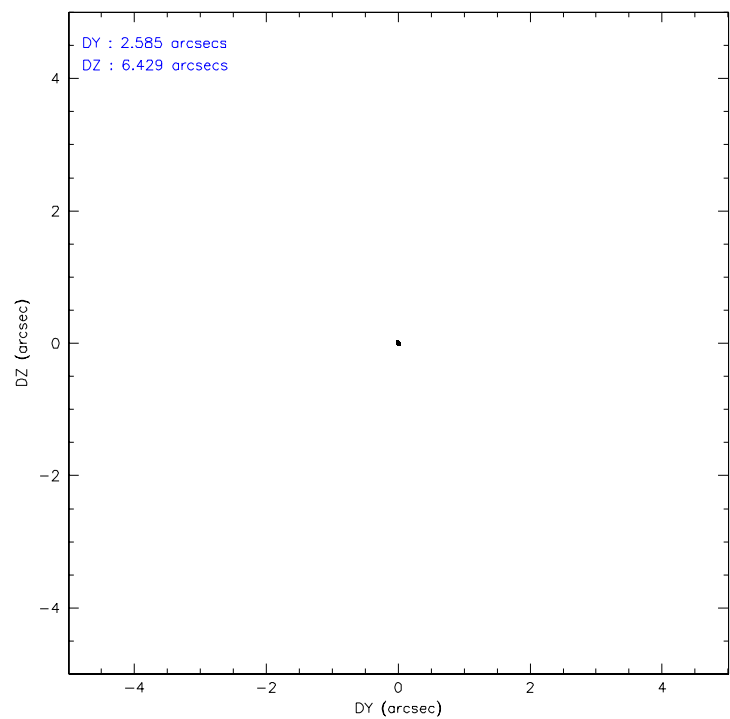
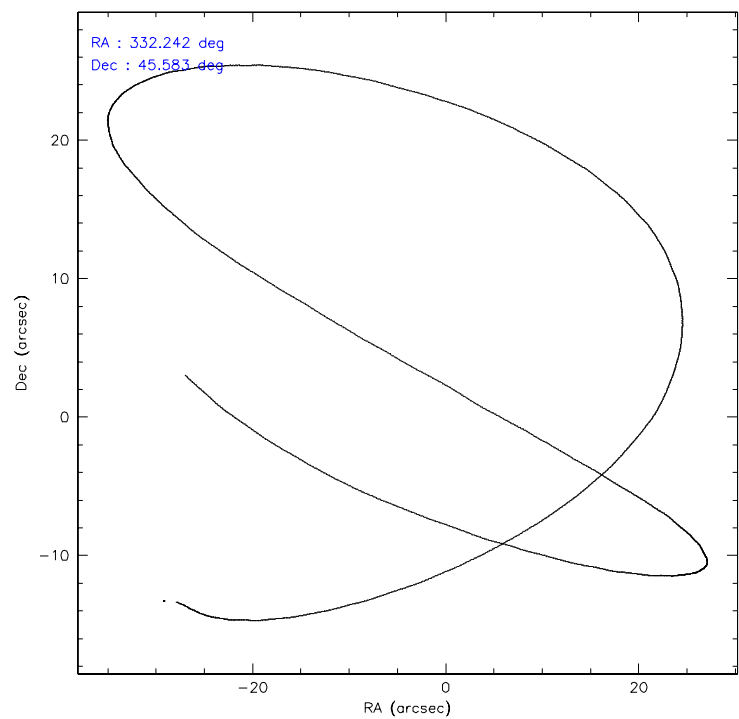
Level 1 Events

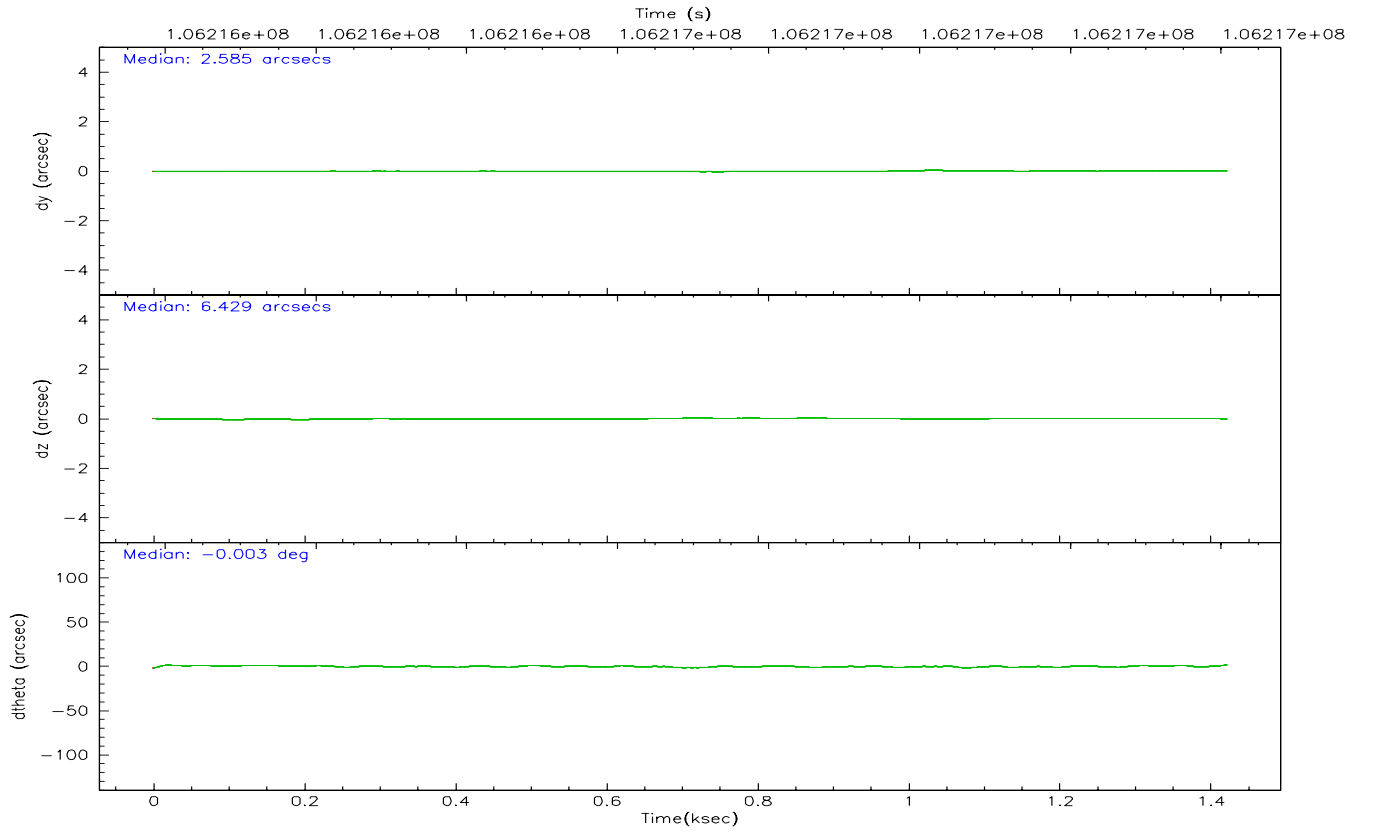
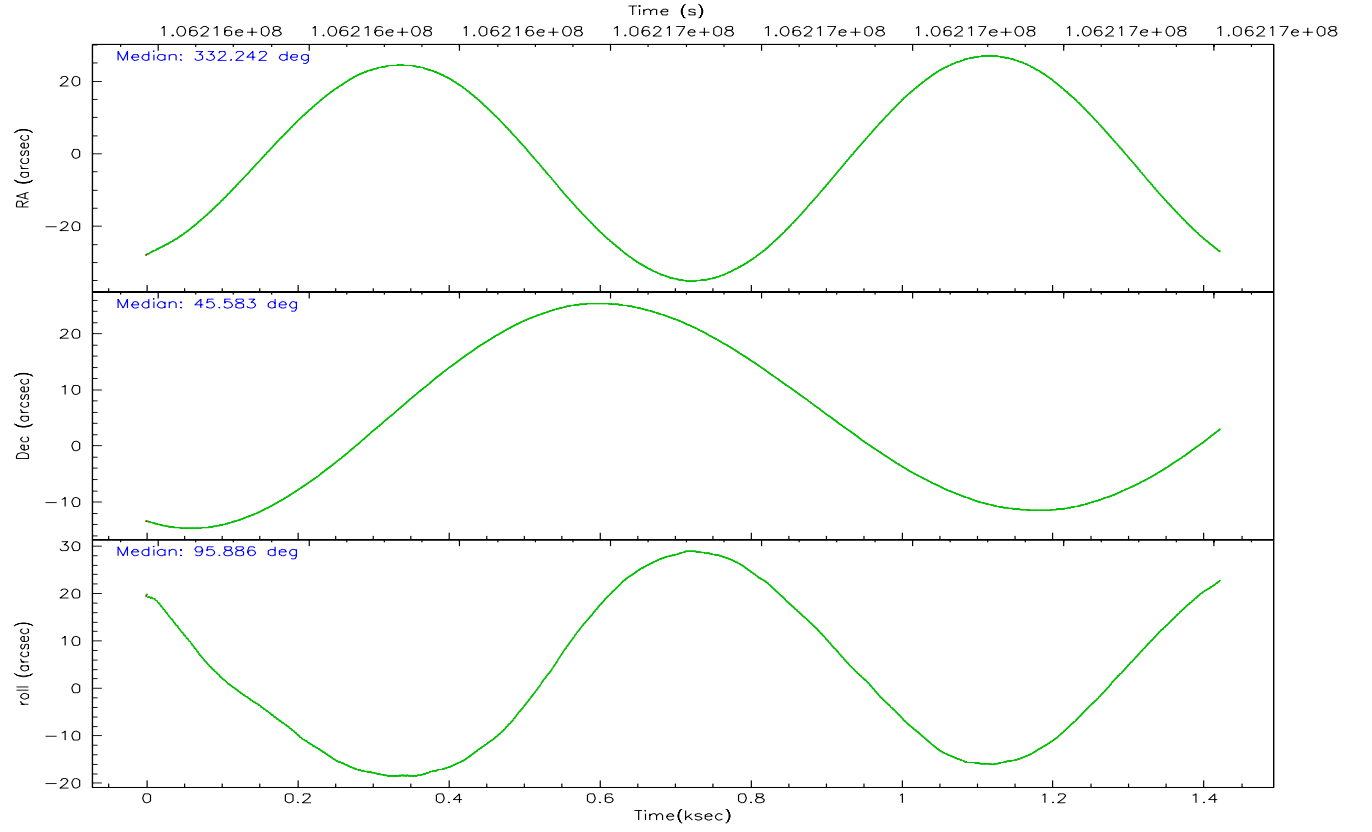
	segment 1	segment 2	segment 3
level 1 events	2507	200165	2118
rejected events	2507	55462	2118
rejected %	100%	27%	100%

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	332.266842	332.2420335712517			
Pointing Dec	45.562264	45.58374799166807			
Pointing Roll	95.813602	95.89860741270124			
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	106216171.184000	106215794.77127			
Observation start date	2001-05-14T08:28:27	2001-05-14T08:23:14			
Observation end time	106217405.184000	106217539.32134			
Observation end date	2001-05-14T08:49:01	2001-05-14T08:52:19			

2.3 Aspect



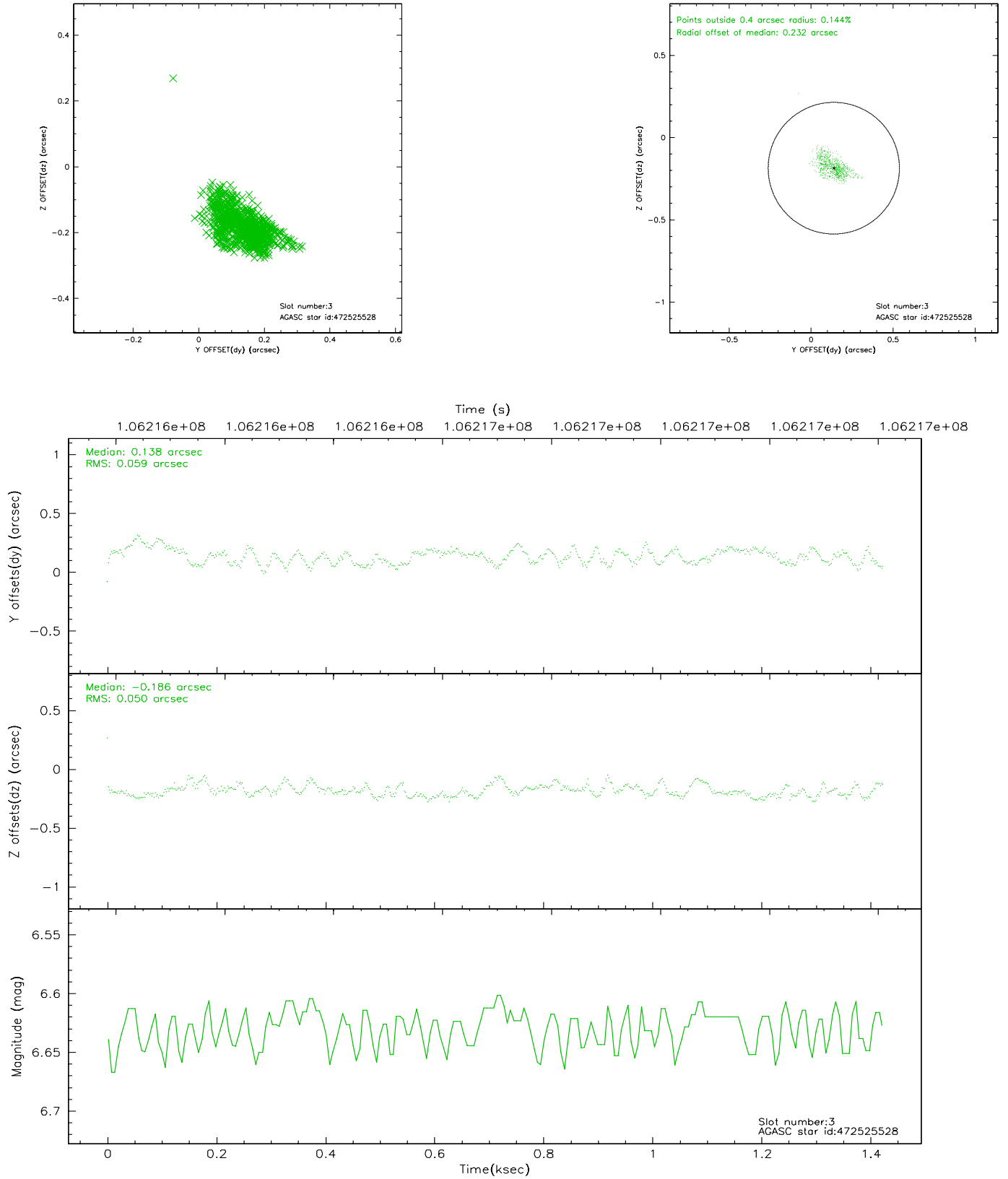


Slot Statistics

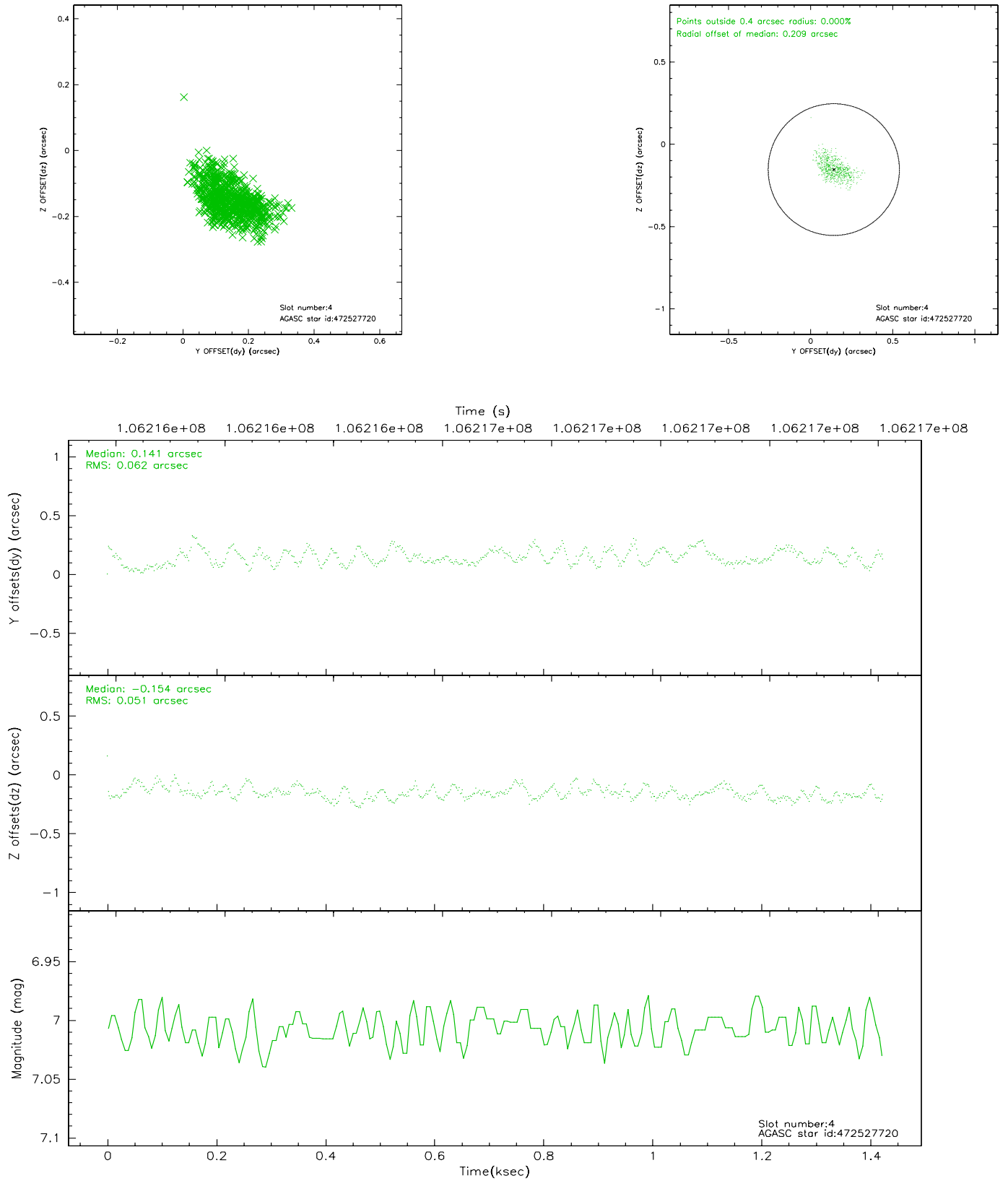
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	348	0.135	-0.106	0.008	0.015	0.000000	0.000000	-1156.62	-454.94
1	FID	HRC-S-2	6.98	348	0.121	-0.099	0.005	0.007	0.000000	0.000000	1239.73	-448.89
2	FID	HRC-S-3	7.00	348	0.134	-0.097	0.008	0.014	0.000000	0.000000	-1155.77	573.31
3	GUIDE	472525528	6.63	695	0.138	-0.186	0.081	0.136	331.551102	45.248694	-928.16	1918.52
4	GUIDE	472527720	7.01	695	0.141	-0.154	0.083	0.142	331.460205	45.112509	-1391.30	2204.74
5	GUIDE	472523760	8.24	695	0.002	0.006	0.057	0.101	331.645363	45.403260	-403.27	1623.89
6	GUIDE	472665256	9.01	695	-0.162	0.198	0.088	0.139	332.808125	46.195041	2137.23	-1569.54
7	GUIDE	472659832	9.47	694	-0.123	0.128	0.094	0.150	332.780399	46.098139	1800.17	-1472.35

2.4 Star Slots

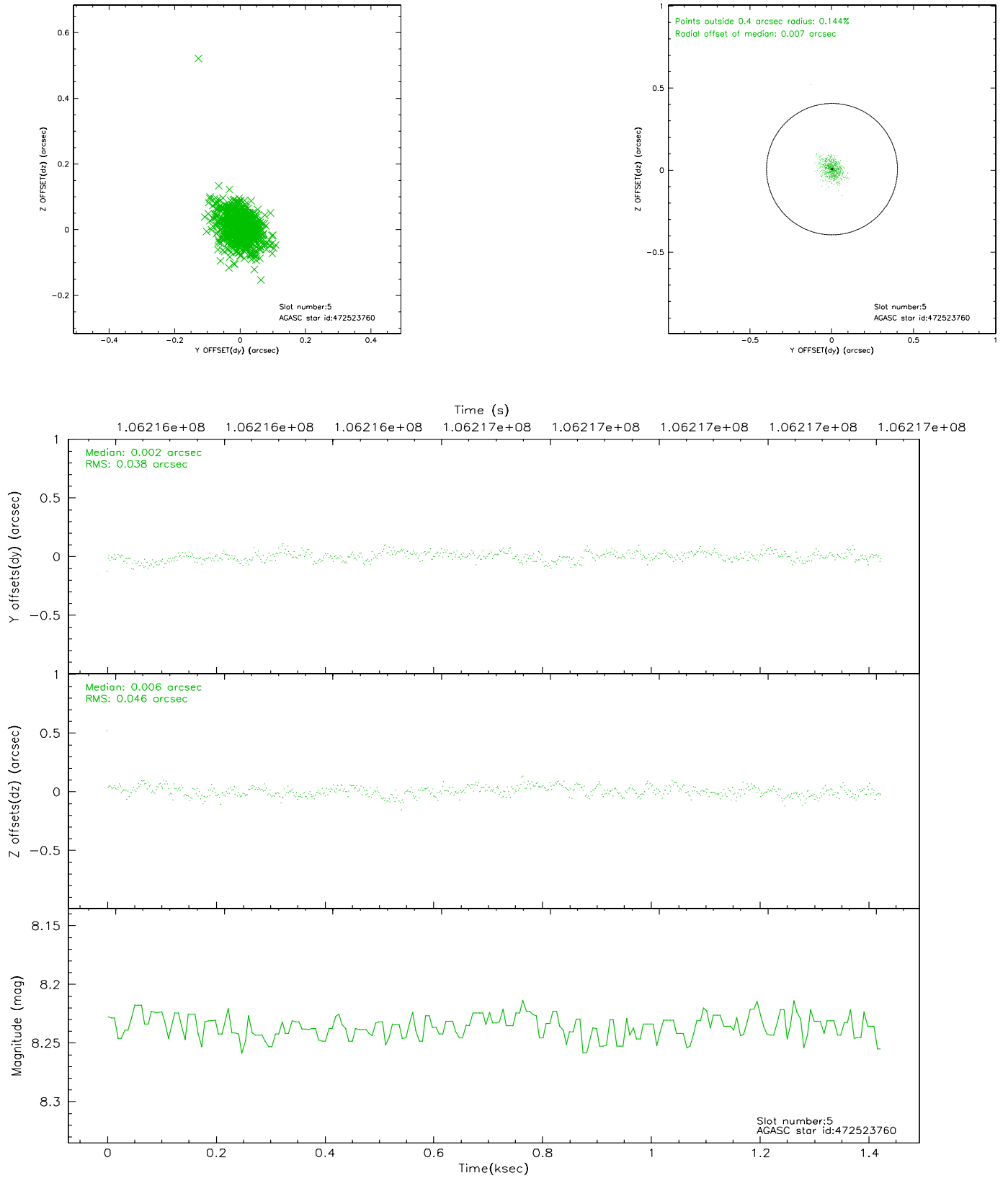
2.4.1 Slot 3



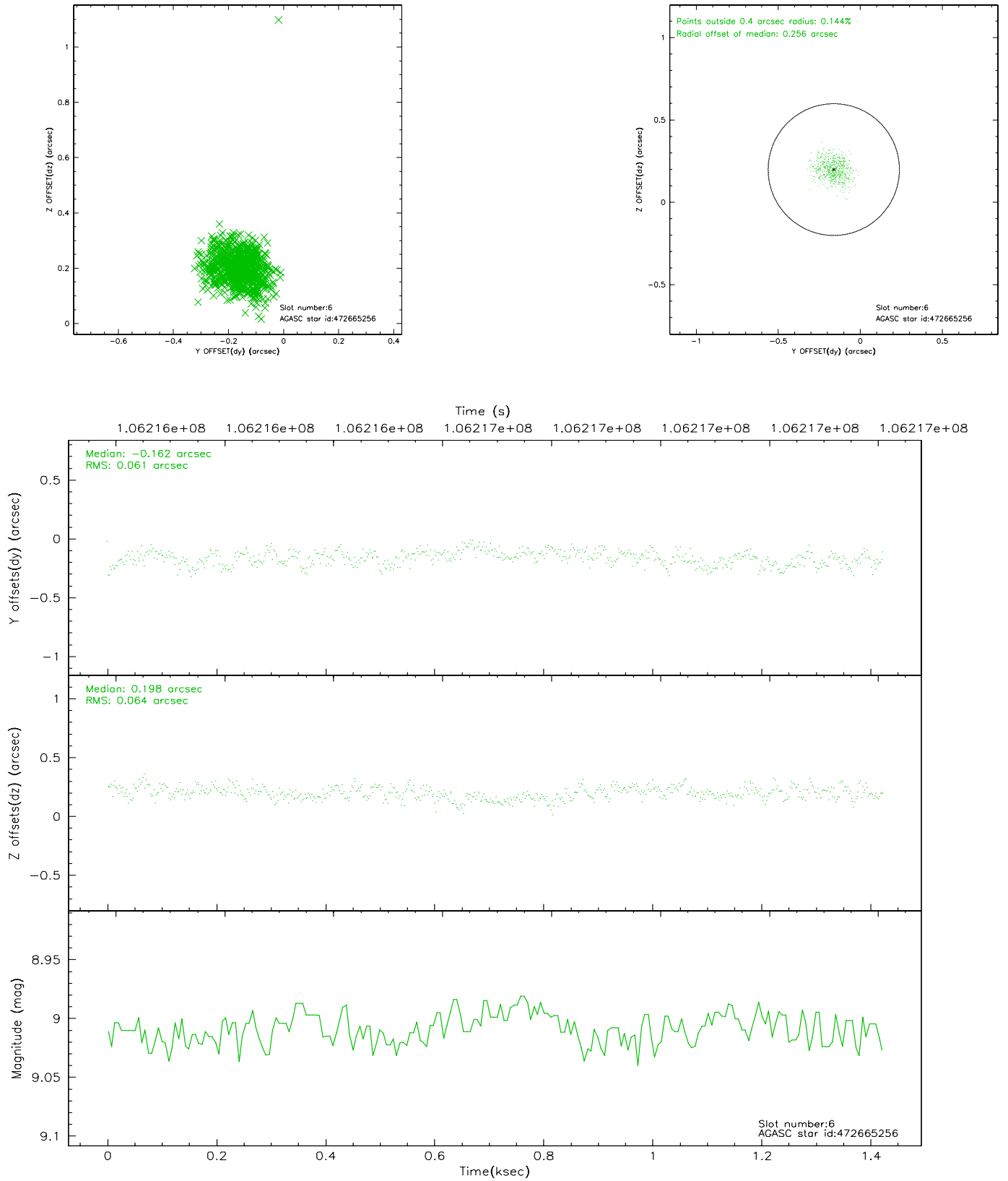
2.4.2 Slot 4



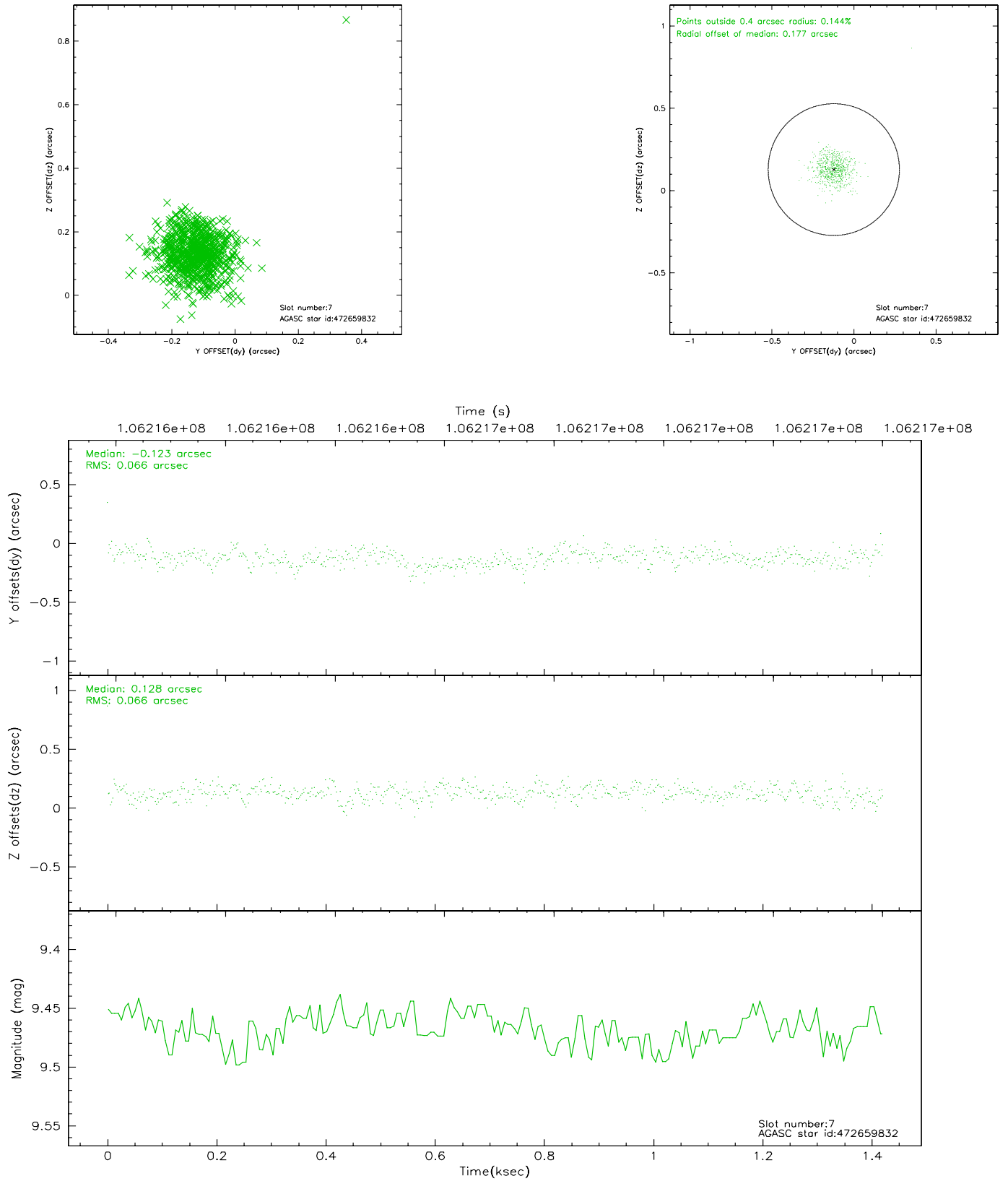
2.4.3 Slot 5



2.4.4 Slot 6

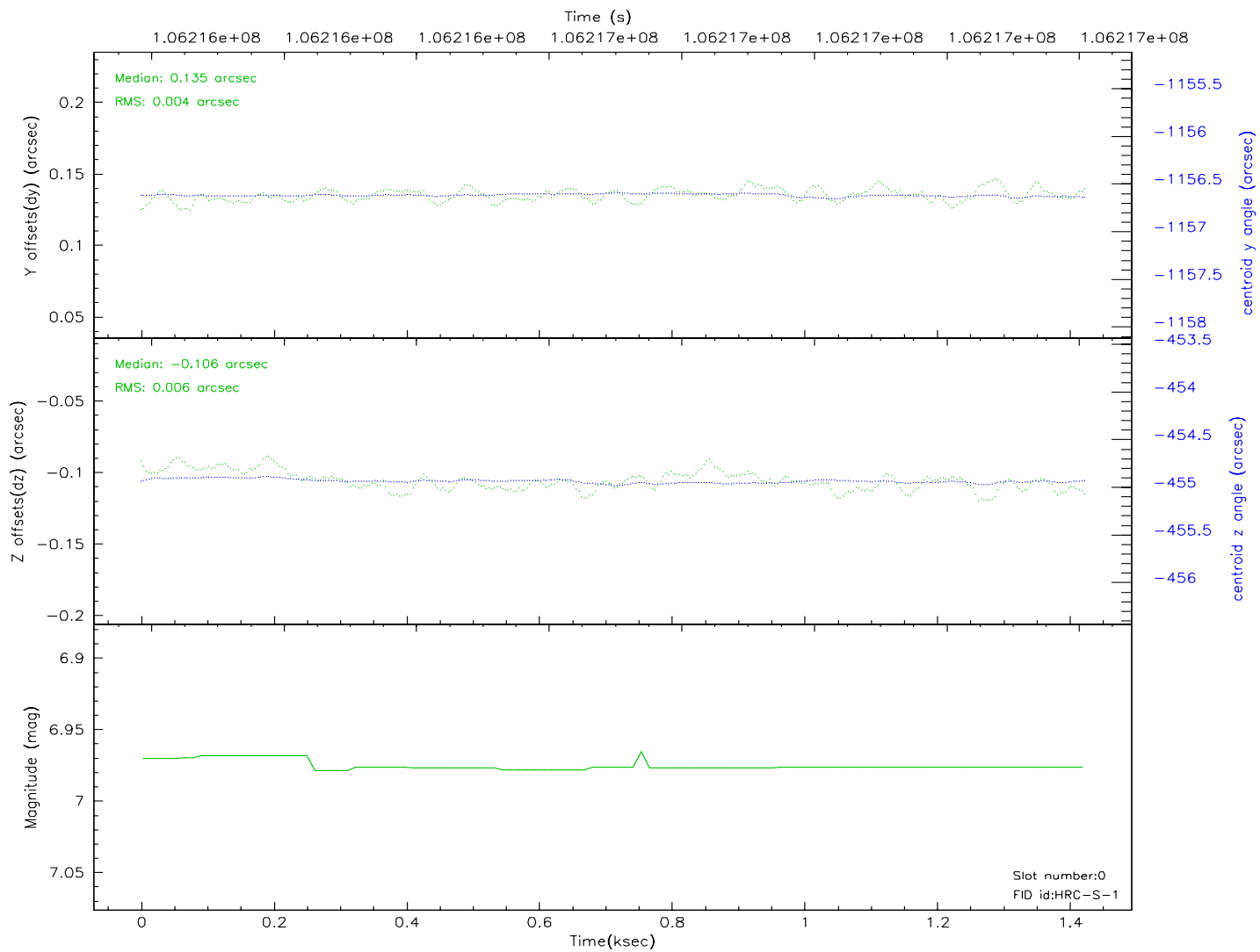
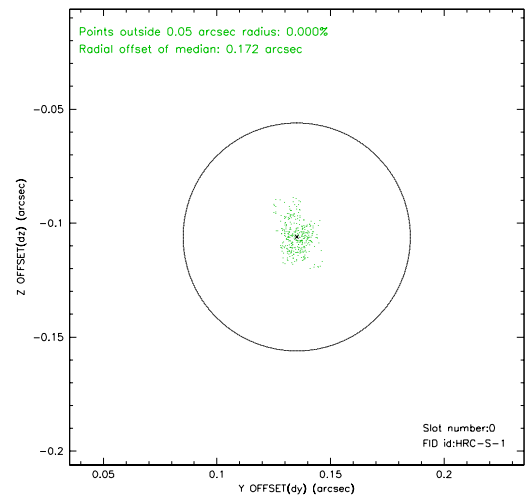
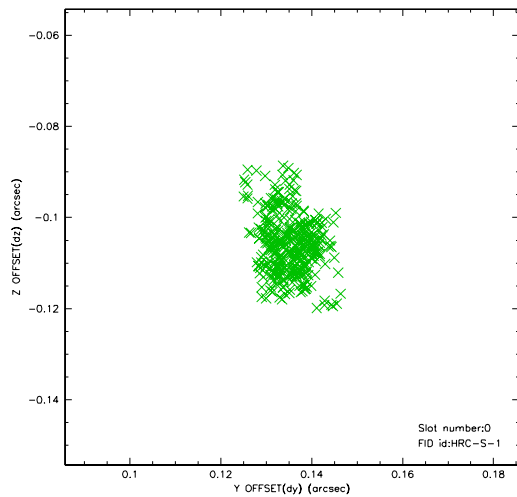


2.4.5 Slot 7

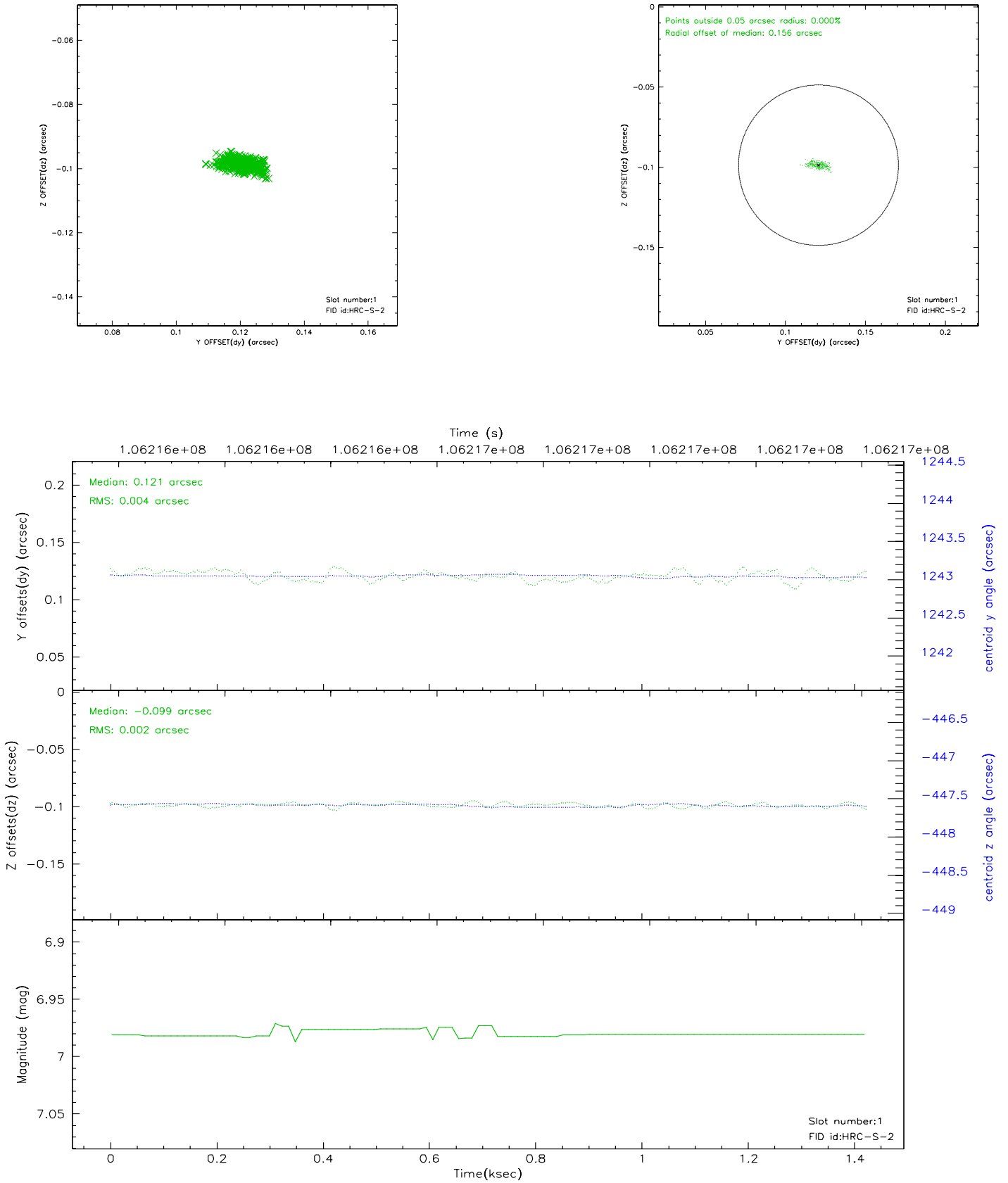


2.5 FID Slots

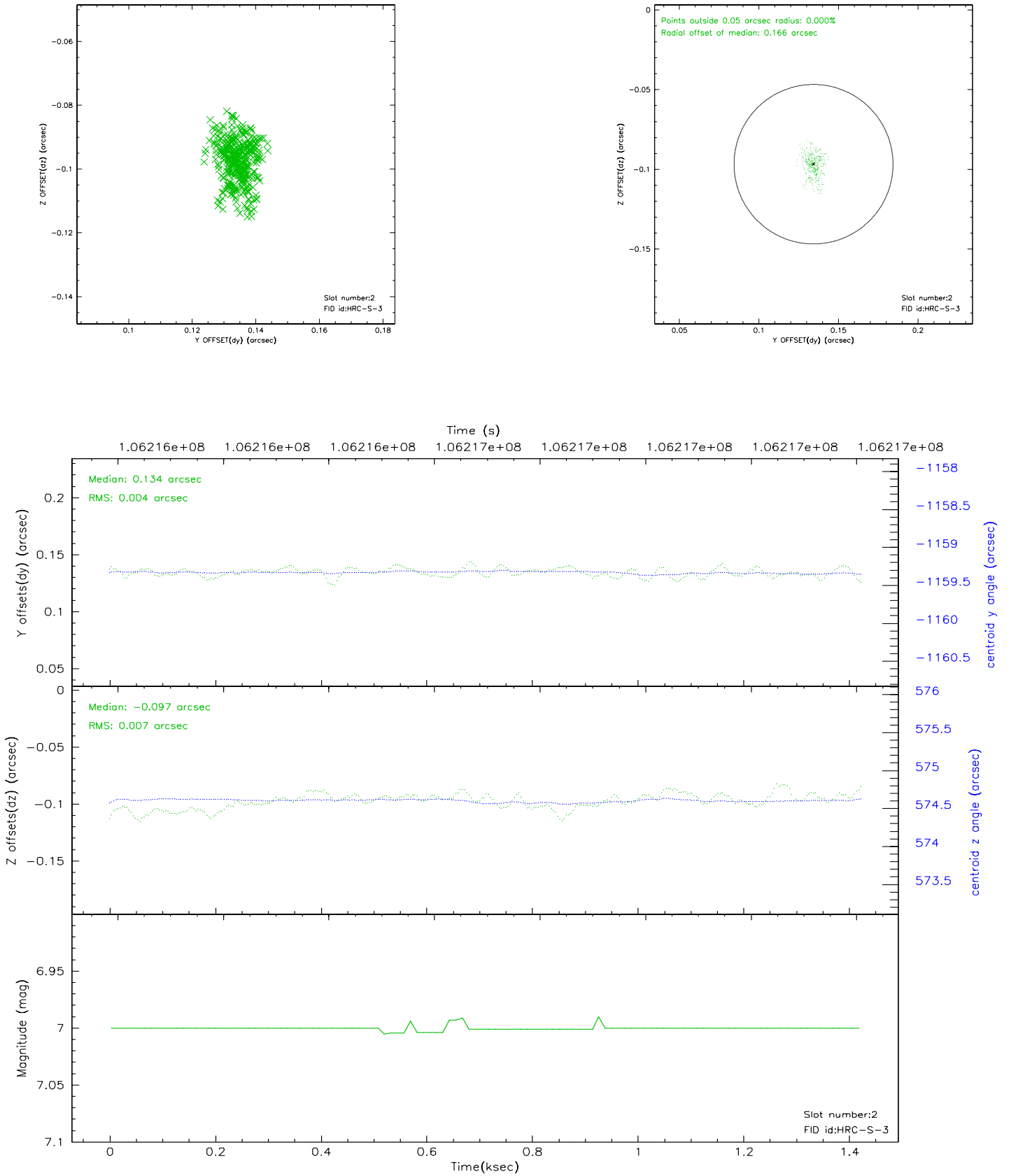
2.5.1 Slot 0



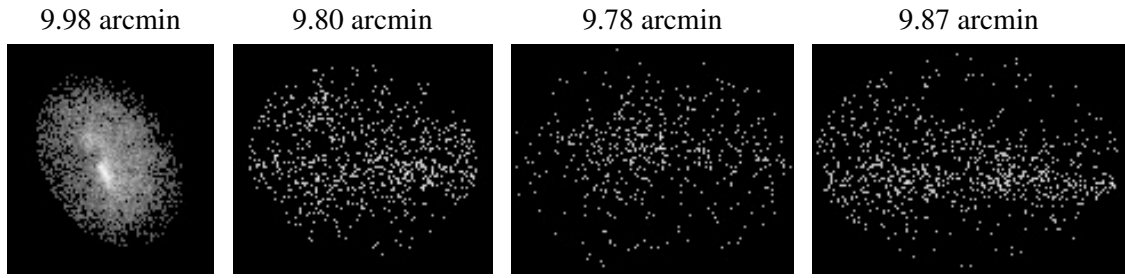
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.421

A.2 Comments

A reflection from the HRC high energy suppression filter was not properly removed and resulted in a tail visible in the image. It would require a new specification to remove events at specific positions of the dither pattern where the events may reflect off the high energy suppression filter and strike the detector.