

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5157 - L2 Version 4
Chandra X-Ray Center

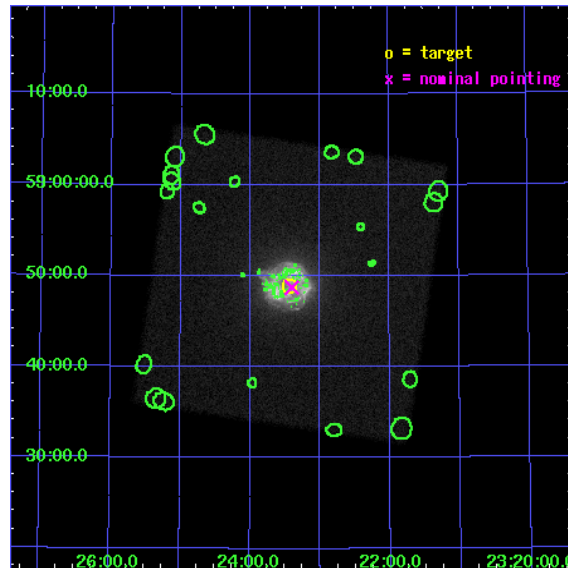
L2 Processing Date : Nov 23 2007

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1 Front

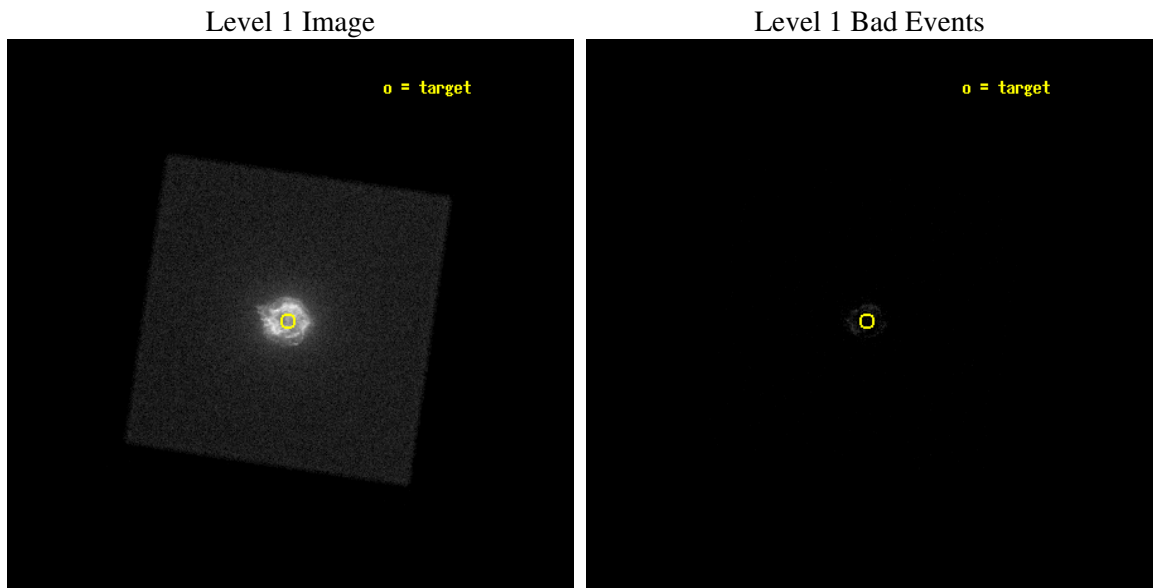
seq_num	590355
obs_id	5157
title	AO5B Observations of the Standard Candles Cas A and G21.5-09
observer	Dr. CXC Calibration
object	Cas A
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.85033661592
dec_nom	58.812562578204
roll_nom	233.47804785627
revision	4
ontime	5144.7314805984
livetime	5075.2691530171
l2events	649231



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T01:02:55
revision	4

sched_exp_time	5000.000000
ontime	5144.7314805984
l1events	784542

2.1.3 Events

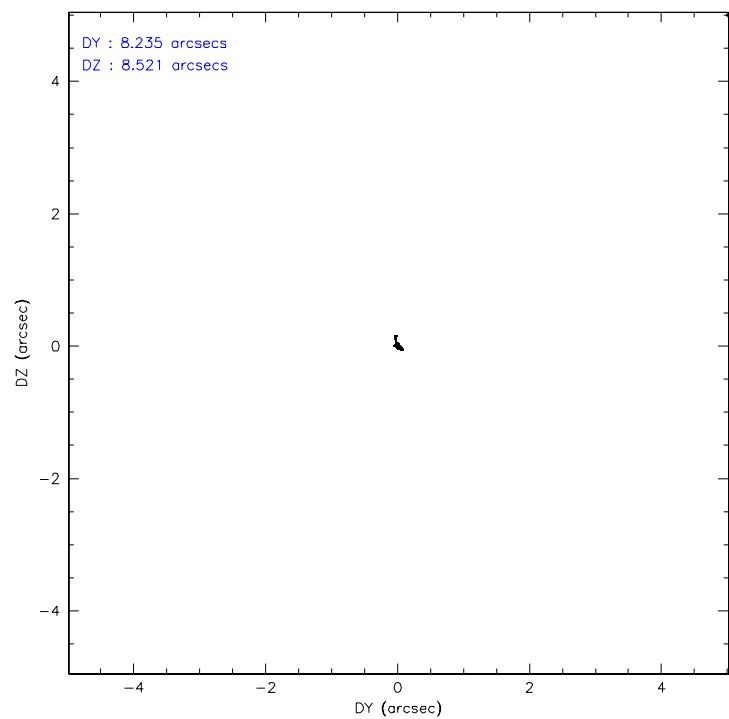
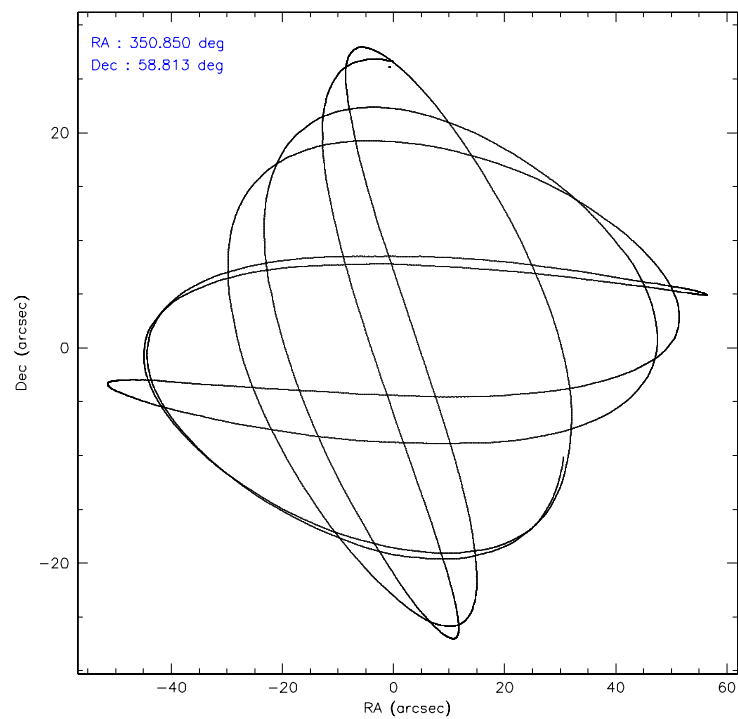
Level 1 Events

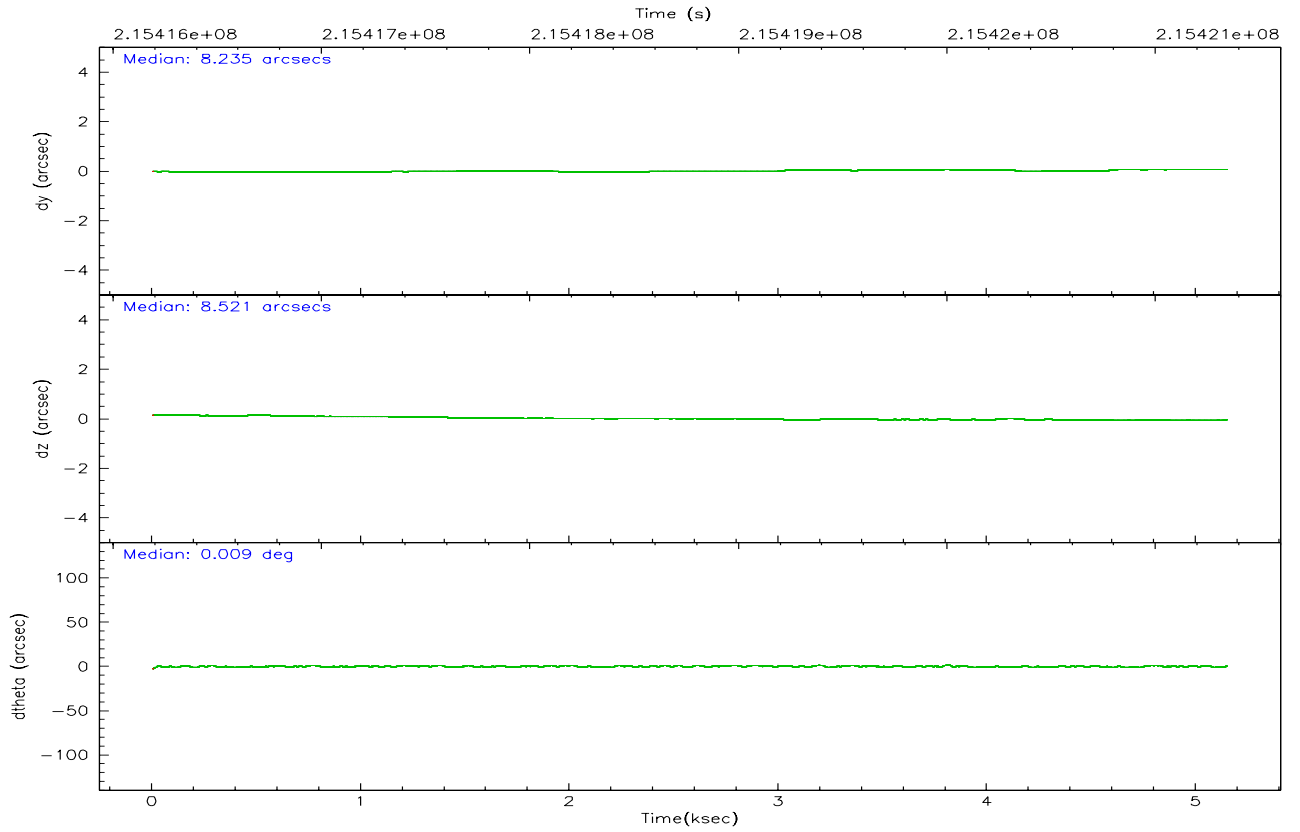
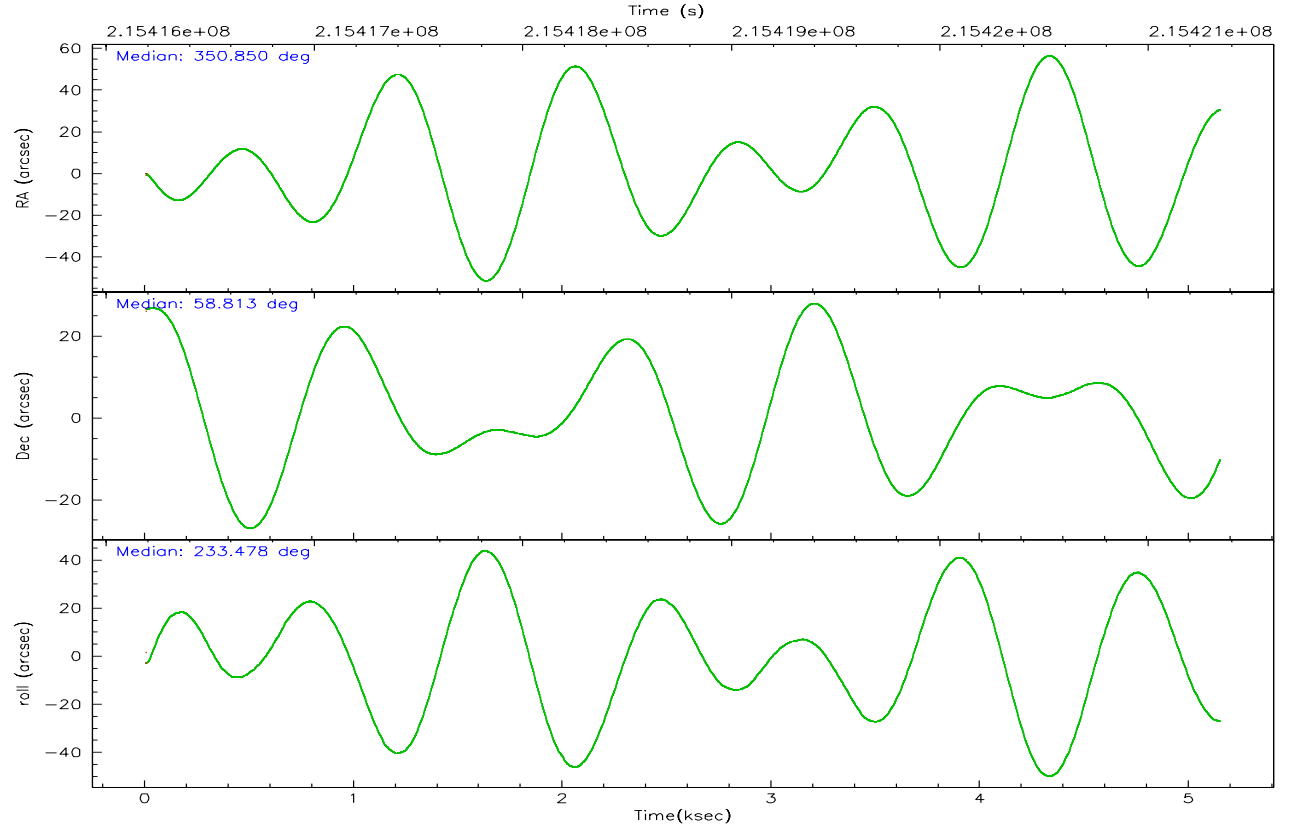
	segment 0
level 1 events	784542
rejected events	13510
rejected %	1%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	350.855334	350.8503366159185			
Pointing Dec	58.839694	58.81256257820436			
Pointing Roll	233.569259	233.4780478562686			
Window start time	212976064.184000	212976064.184000			
Window stop time	215568064.184000	215568064.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	215416346.184000	215415949.13943			
Observation start date	2004-10-29T05:51:22	2004-10-29T05:45:49			
Observation end time	215421346.184000	215422343.08972			
Observation end date	2004-10-29T07:14:42	2004-10-29T07:32:23			

2.3 Aspect



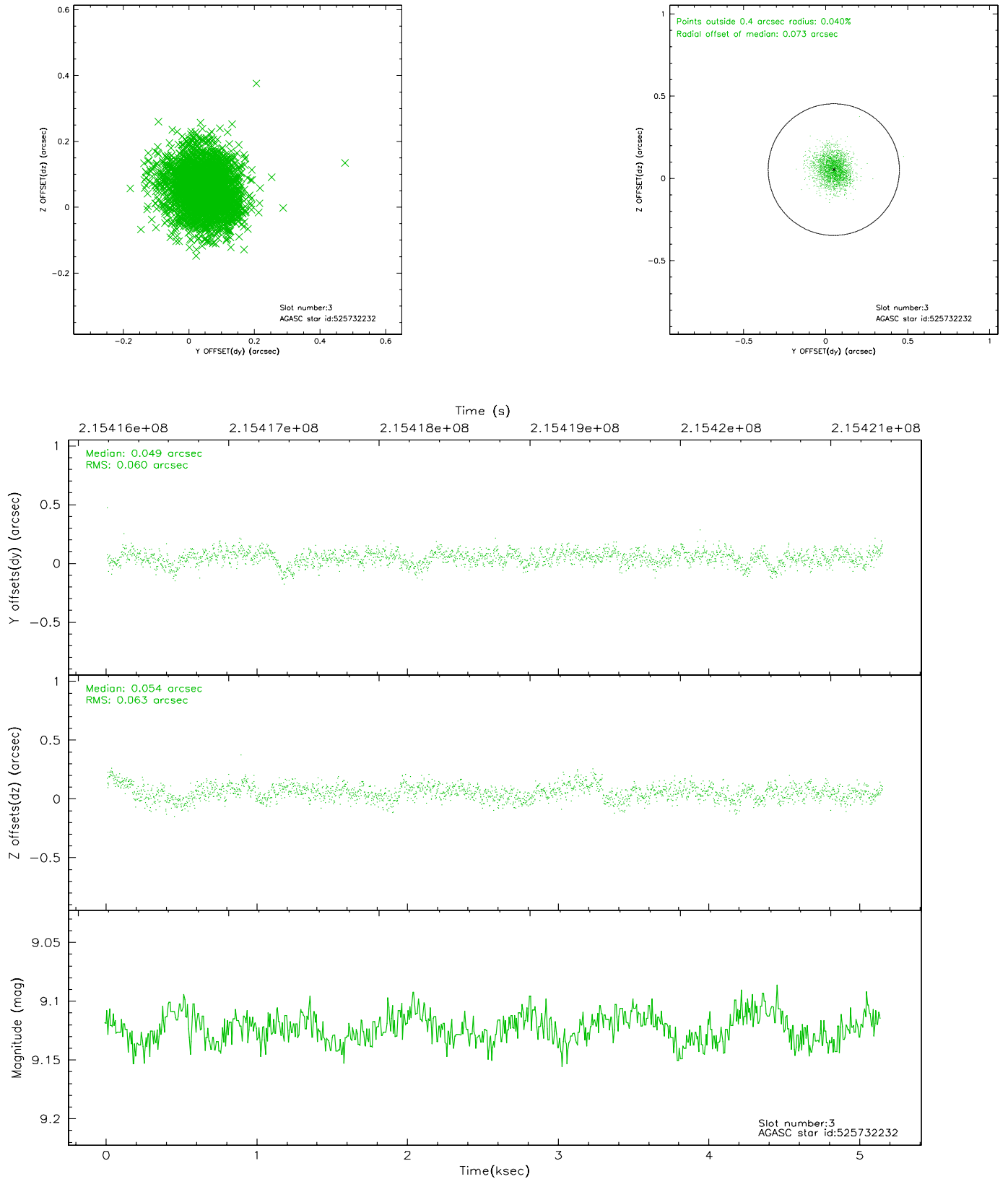


Slot Statistics

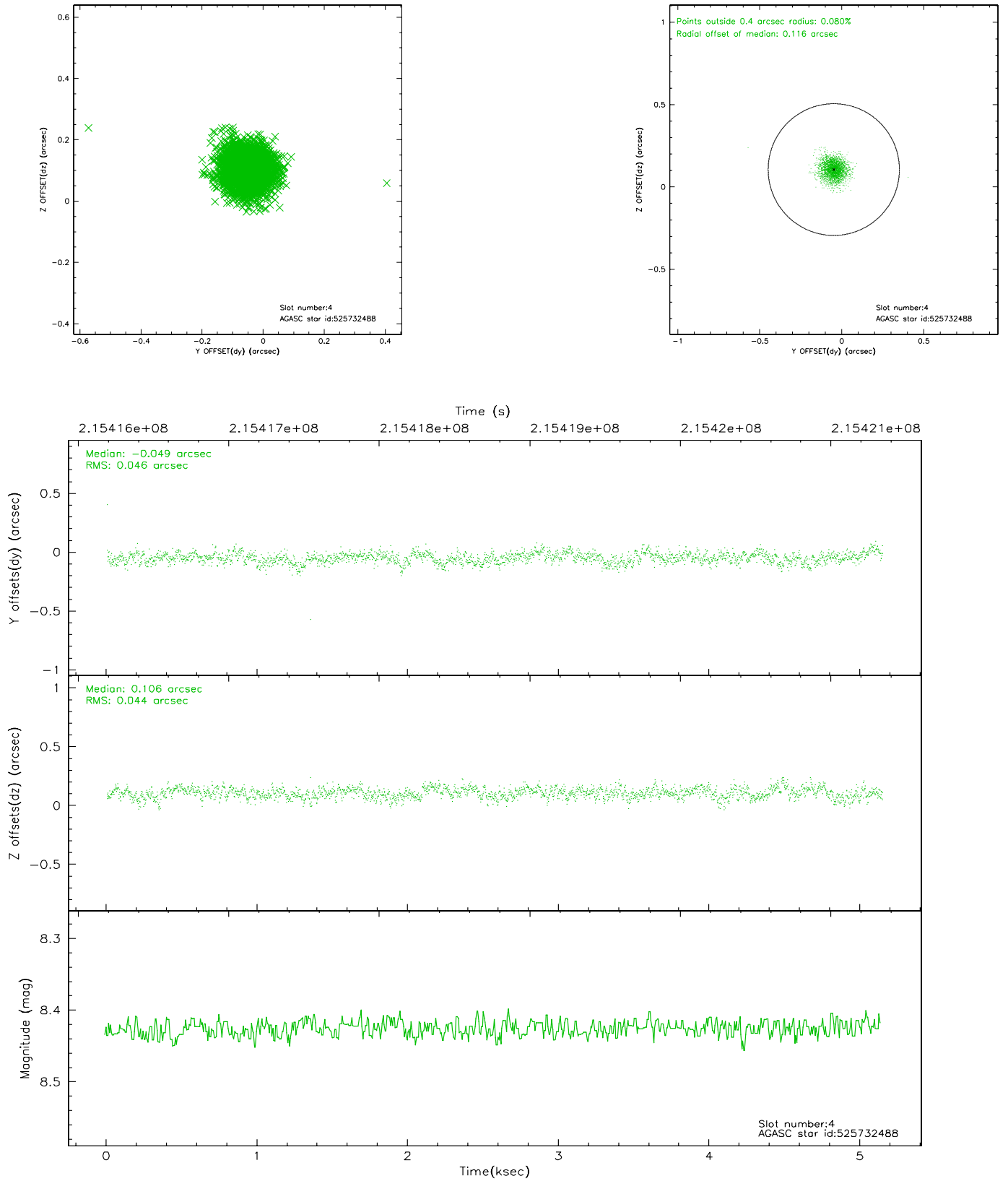
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.04	1255	-0.014	0.047	0.008	0.013	0.000000	0.000000	-763.89	-1296.38
1	FID	HRC-I-2	7.08	1256	0.172	-0.136	0.006	0.011	0.000000	0.000000	848.32	-1299.18
2	FID	HRC-I-3	7.13	1255	-0.040	-0.000	0.007	0.015	0.000000	0.000000	-1191.70	1007.11
3	GUIDE	525732232	9.12	2509	0.049	0.054	0.092	0.153	351.669550	58.757012	-671.11	1395.57
4	GUIDE	525732488	8.43	2511	-0.049	0.106	0.066	0.107	350.087090	58.516915	1785.15	-476.00
5	GUIDE	525736400	9.08	2509	-0.039	0.149	0.088	0.146	350.974563	59.175145	-1102.15	-540.13
6	GUIDE	525735976	8.84	2511	-0.056	-0.119	0.076	0.123	350.142956	58.277622	2422.13	112.35
7	GUIDE	525732528	9.36	2508	0.098	-0.193	0.086	0.145	351.607241	59.298932	-2156.49	125.60

2.4 Star Slots

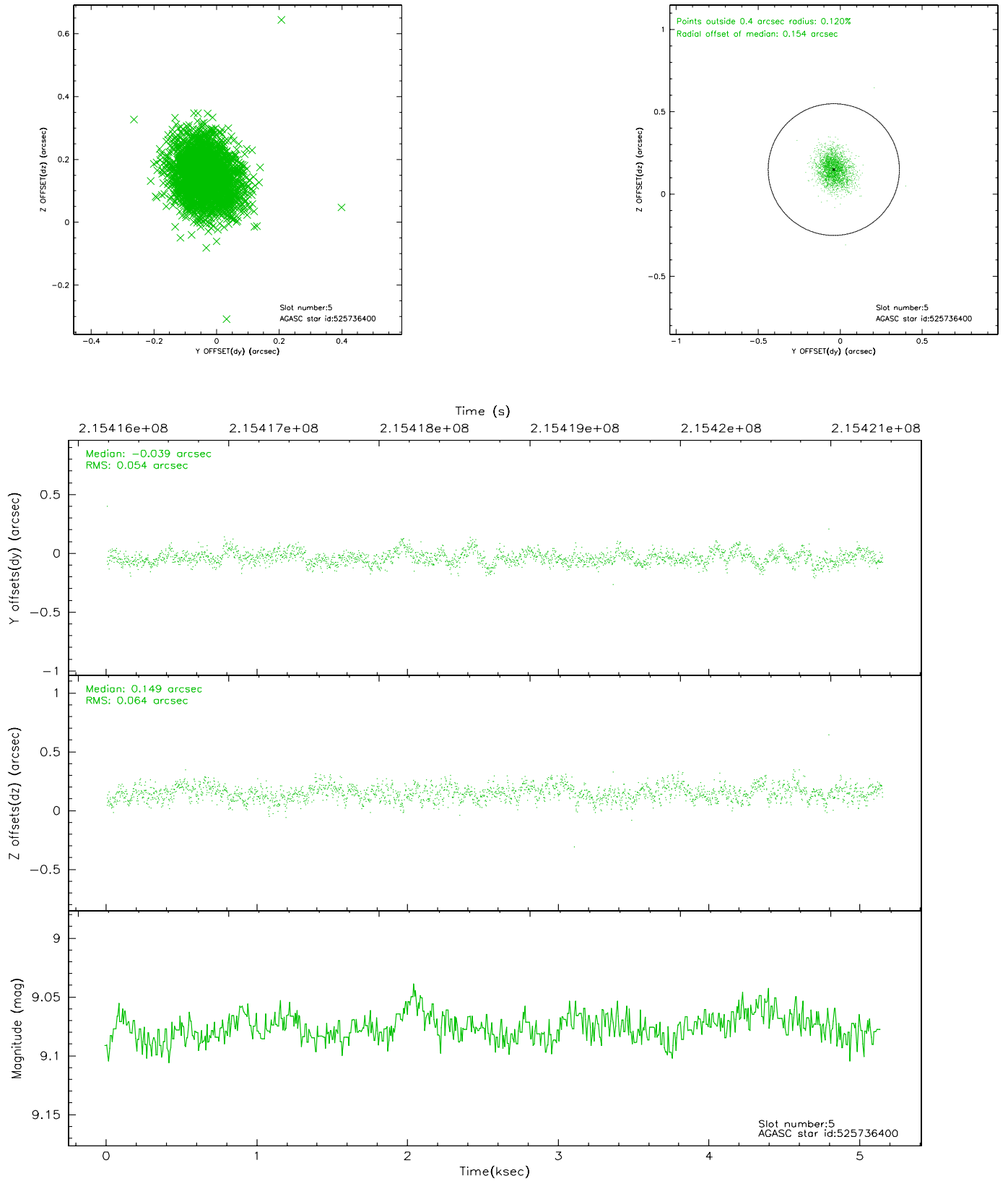
2.4.1 Slot 3



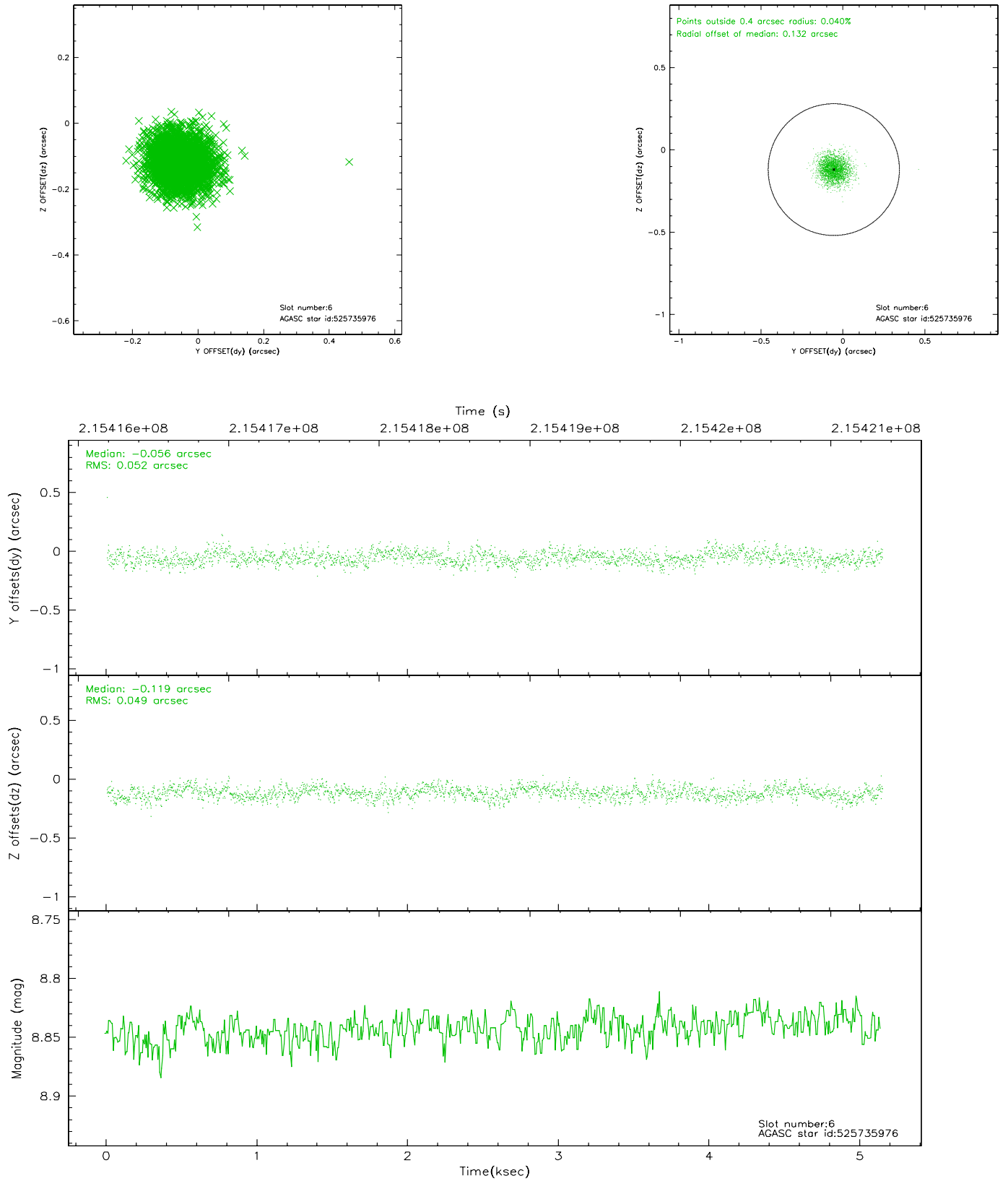
2.4.2 Slot 4



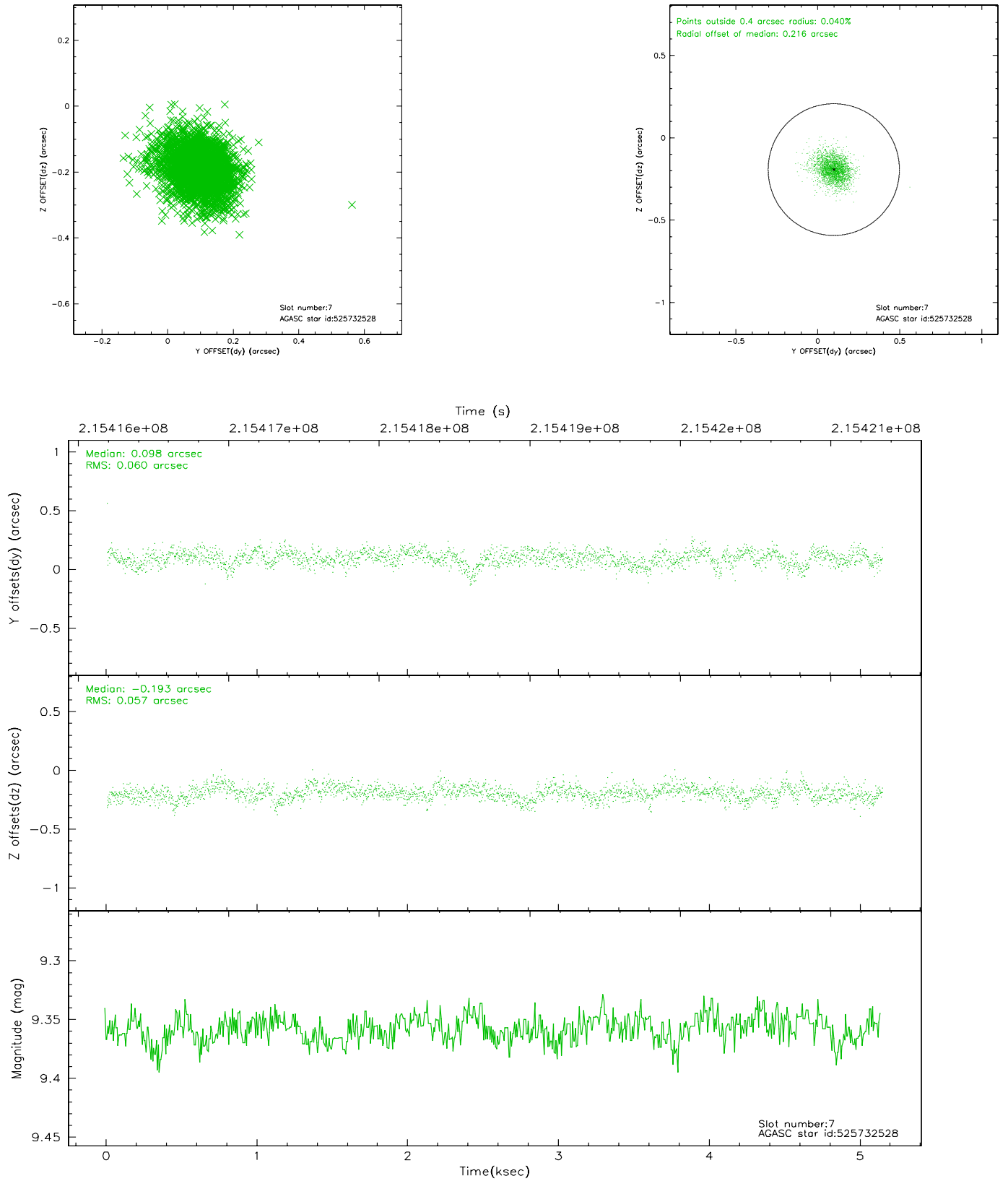
2.4.3 Slot 5



2.4.4 Slot 6

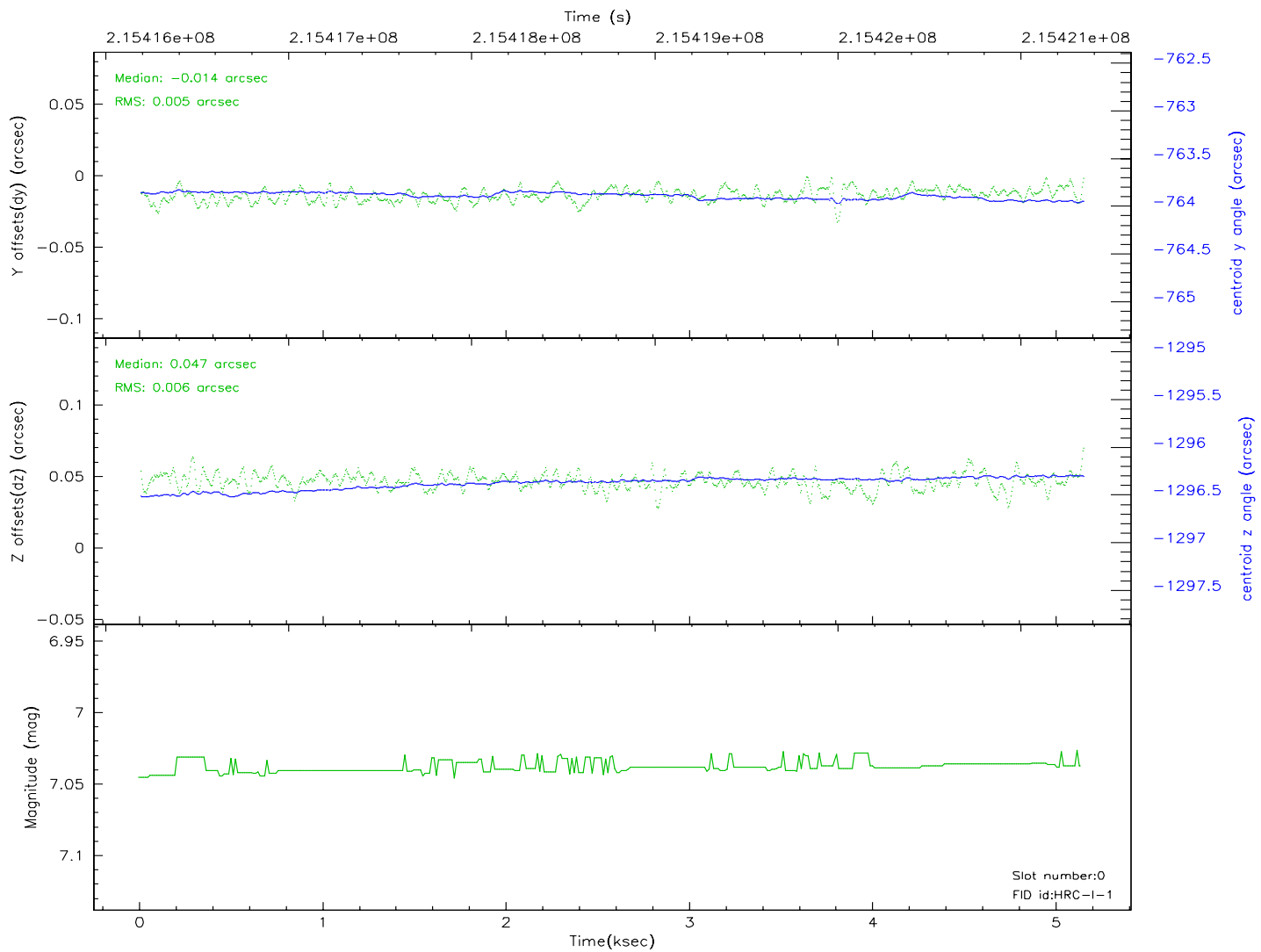
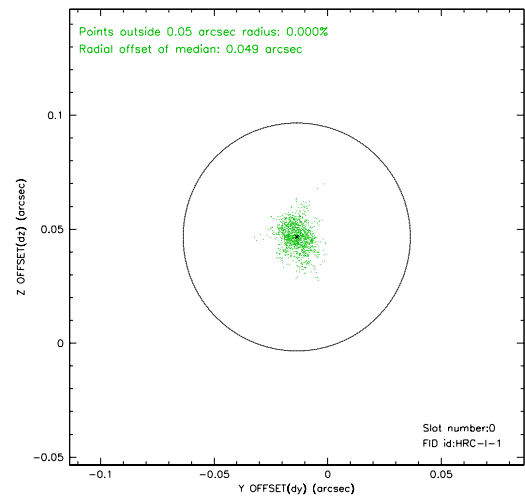
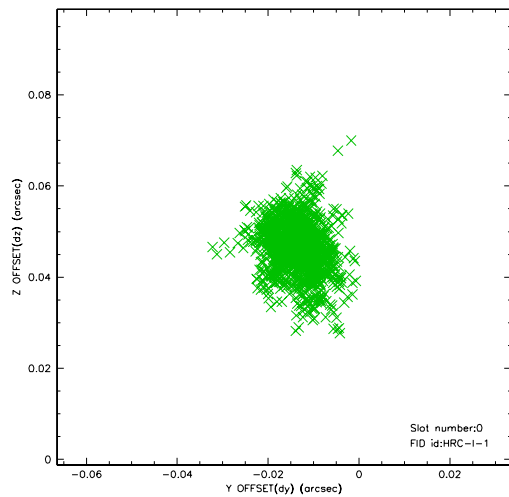


2.4.5 Slot 7

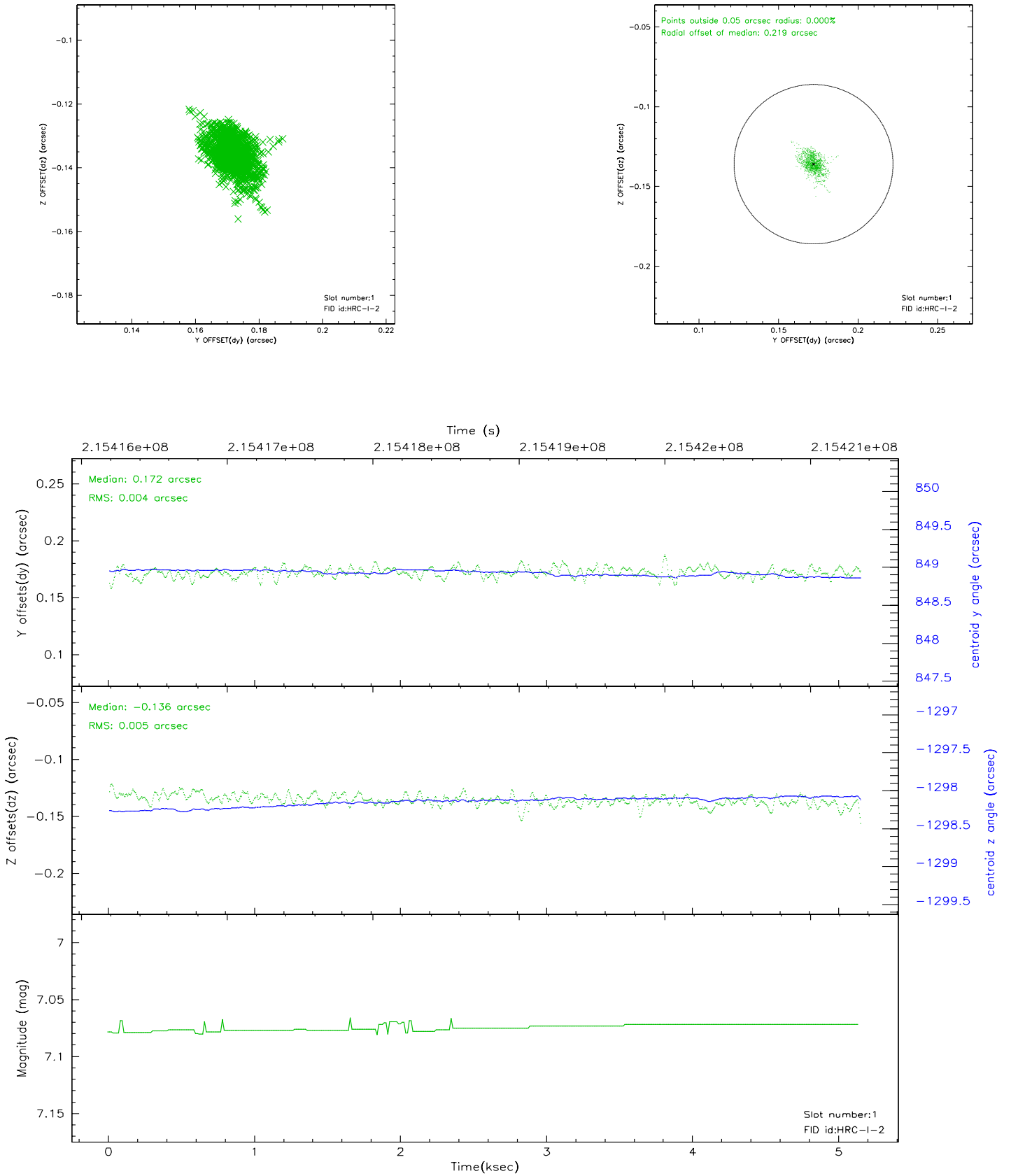


2.5 FID Slots

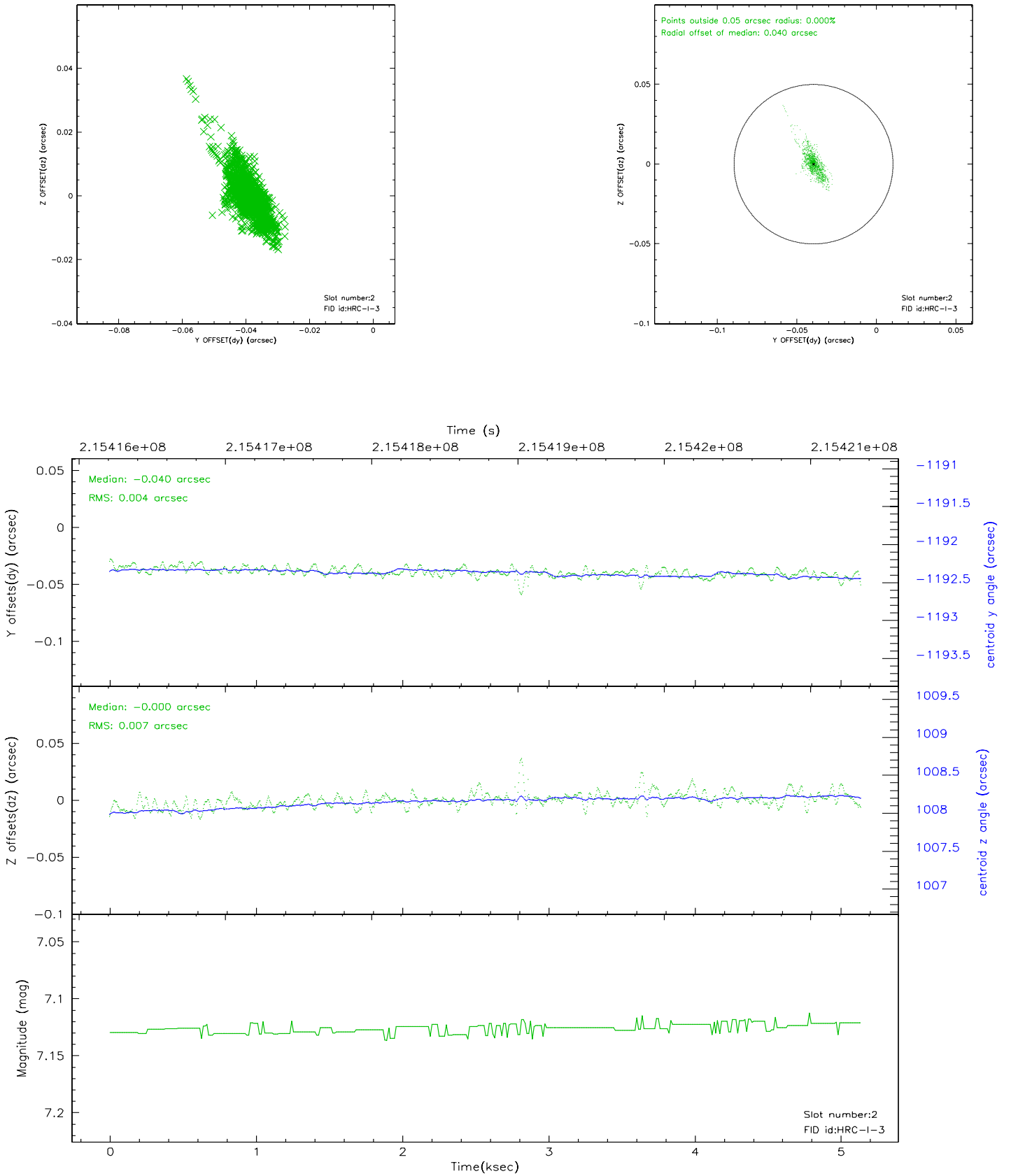
2.5.1 Slot 0



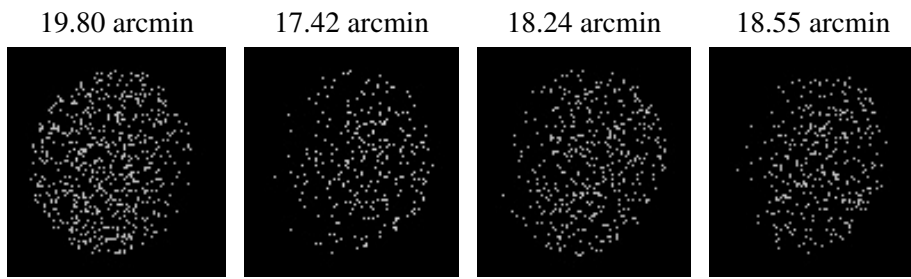
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.144

A.2 Comments

Window constraint met.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.