

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3705 - L2 Version 3
Chandra X-Ray Center

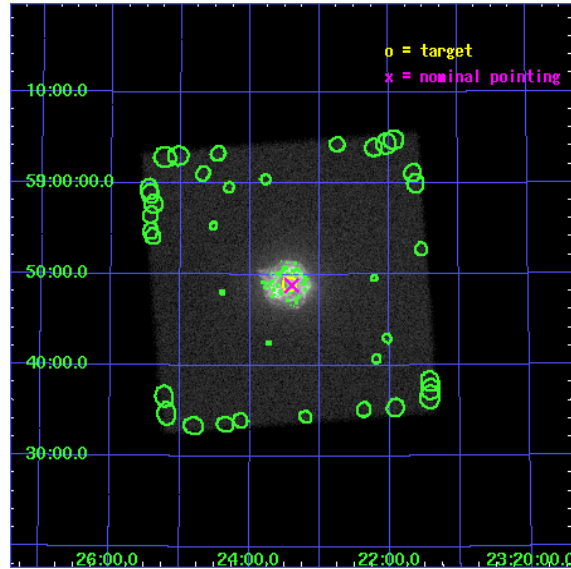
L2 Processing Date : Nov 23 2007

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1 Front

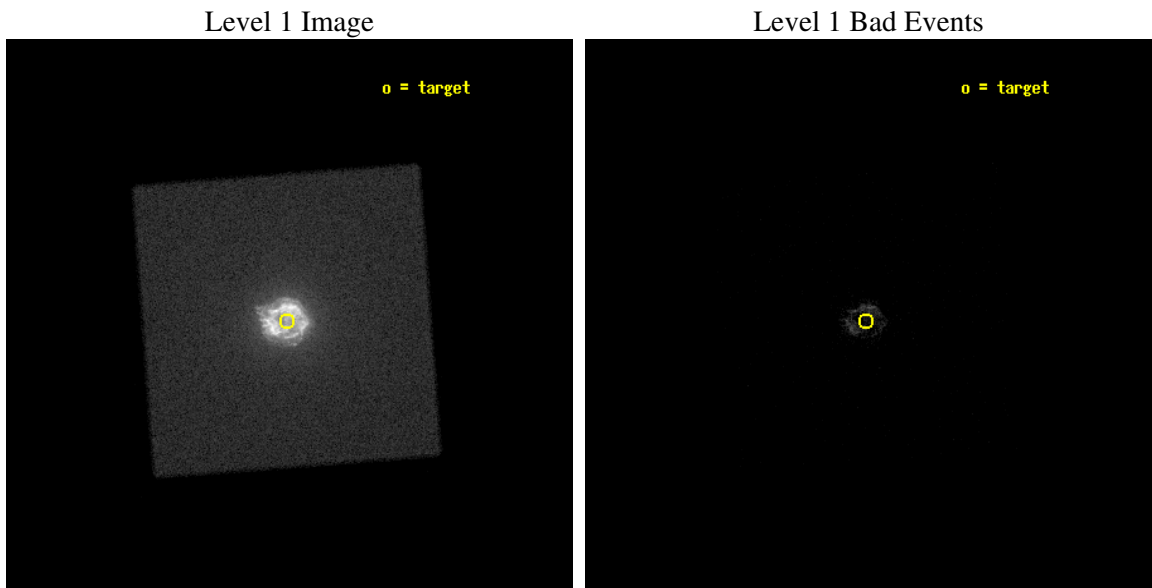
seq_num	590317
obs_id	3705
title	AO4B OBSERVATIONS OF THE STANDARD CANDLES CAS A AND G21.5-09
observer	Dr. CXC Calibration
object	CAS A
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.84983388727
dec_nom	58.813560807856
roll_nom	220.67035200264
revision	3
ontime	5134.4814708233
livetime	5028.126771105
l2events	668286



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	2007-11-23T20:21:08
revision	3

sched_exp_time	5262.000000
ontime	5134.4814708233
l1events	804050

2.1.3 Events

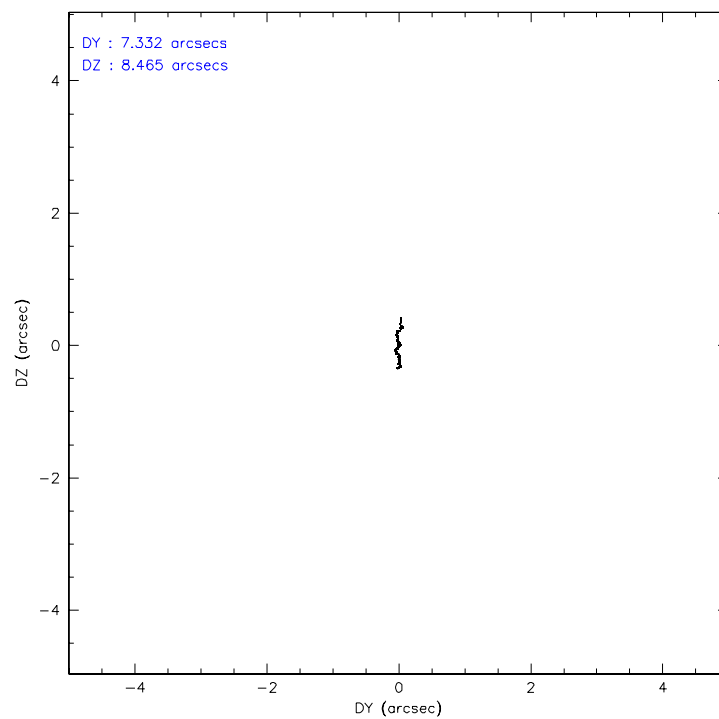
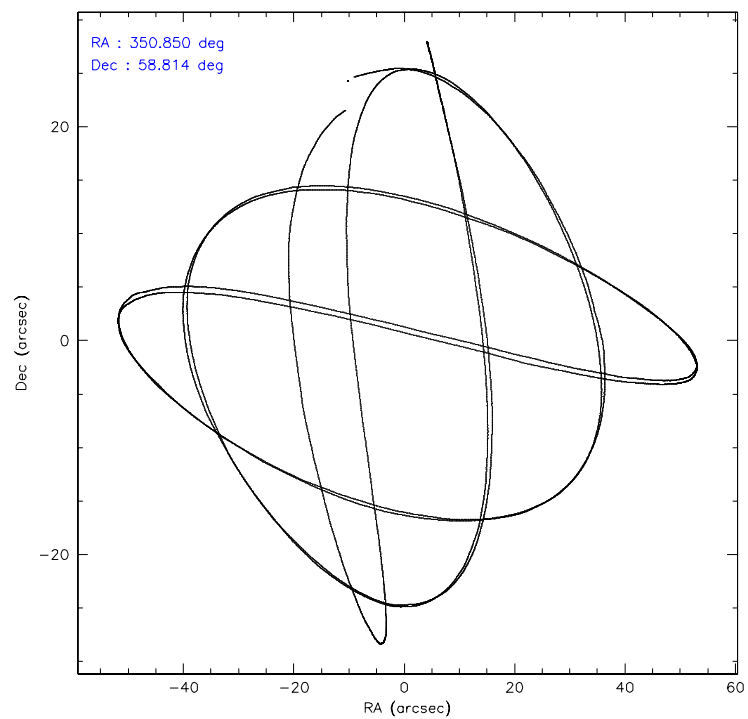
Level 1 Events

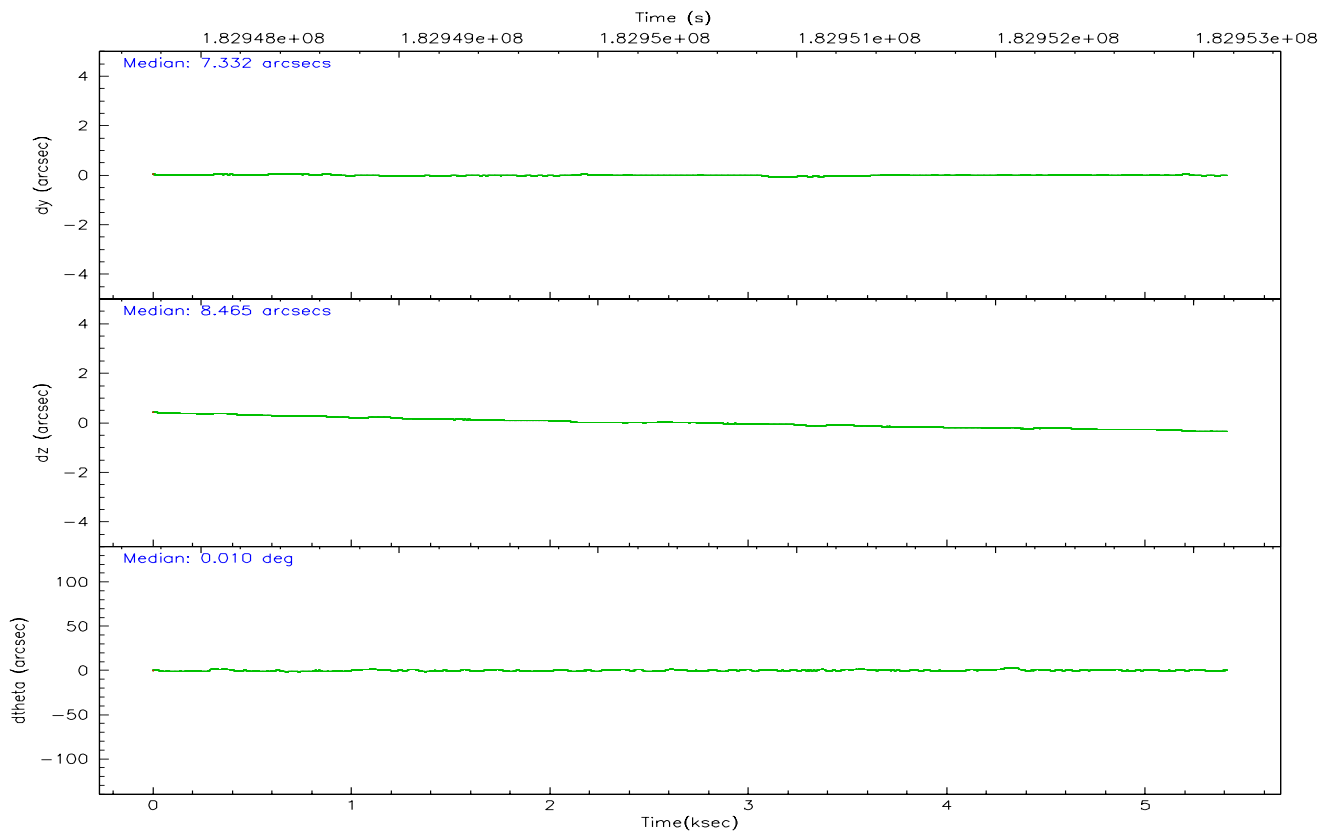
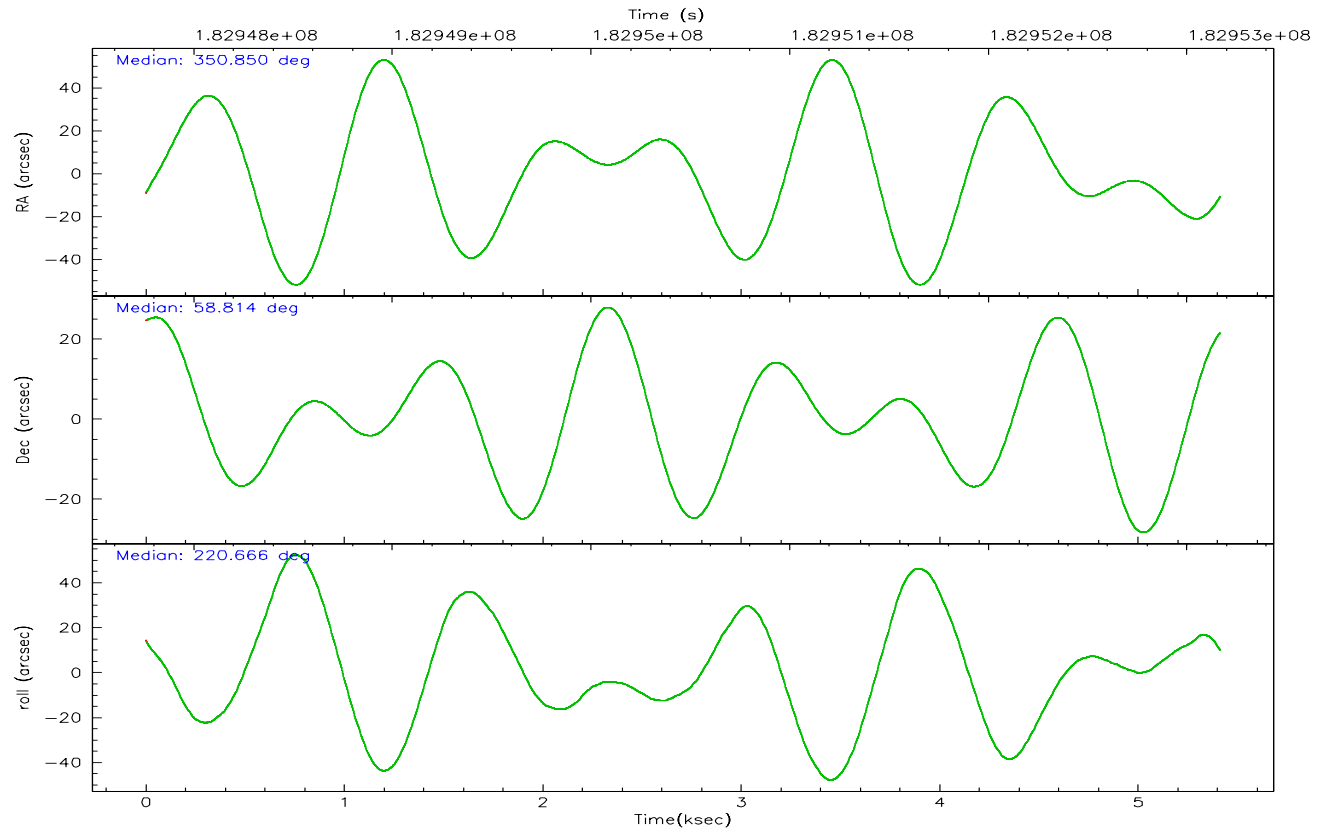
	segment 0
level 1 events	804050
rejected events	9112
rejected %	1%

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	350.866041	350.8498338872655			
Pointing Dec	58.839321	58.81356080785624			
Pointing Roll	220.751975	220.6703520026415			
Window start time	181353664.184000	181353664.184000			
Window stop time	183859264.184000	183859264.184000			
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	182947910.184000	182947511.12264			
Observation start date	2003-10-19T10:50:46	2003-10-19T10:45:11			
Observation end time	182953172.184000	182954135.69793			
Observation end date	2003-10-19T12:18:28	2003-10-19T12:35:35			

2.3 Aspect



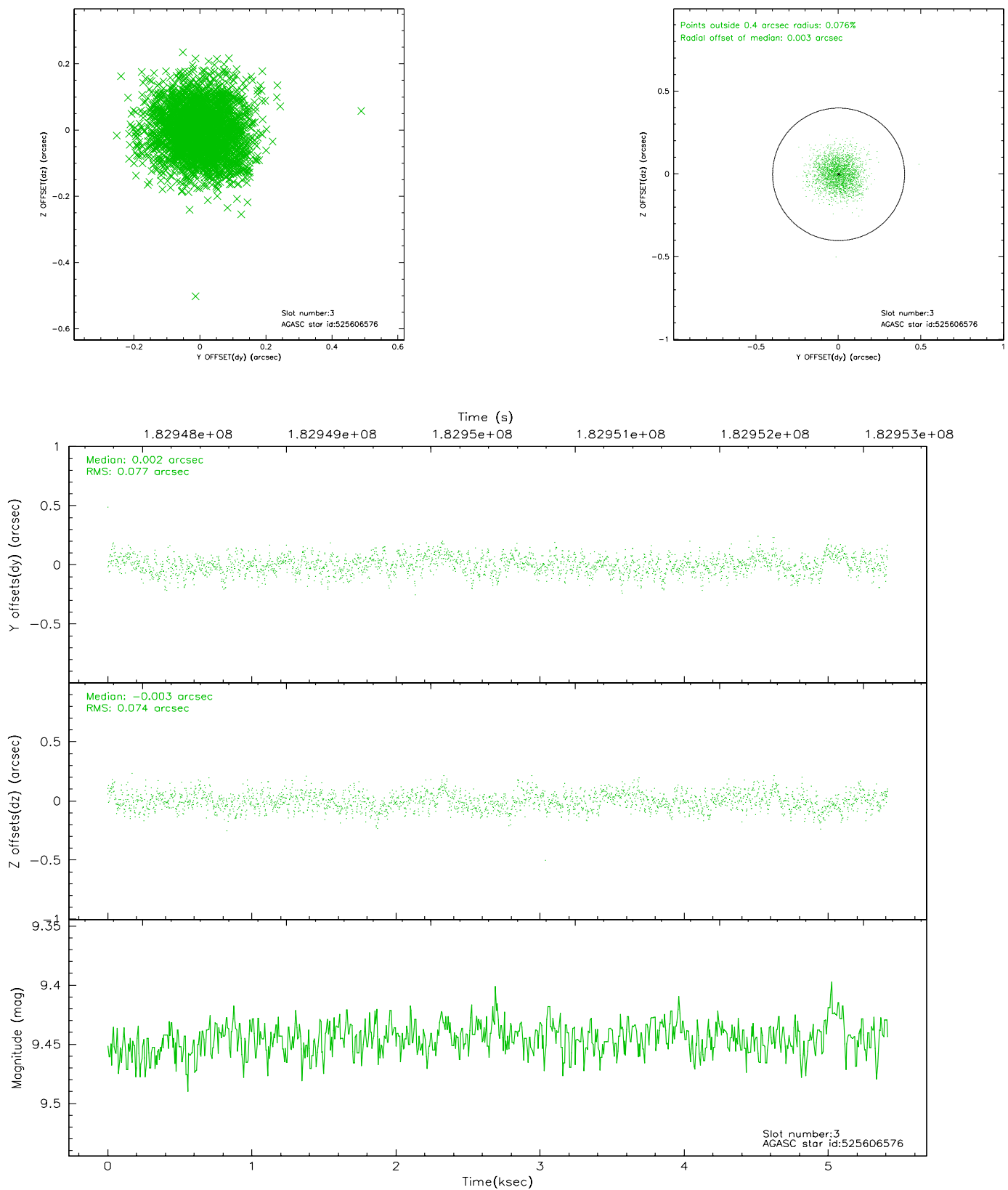


Slot Statistics

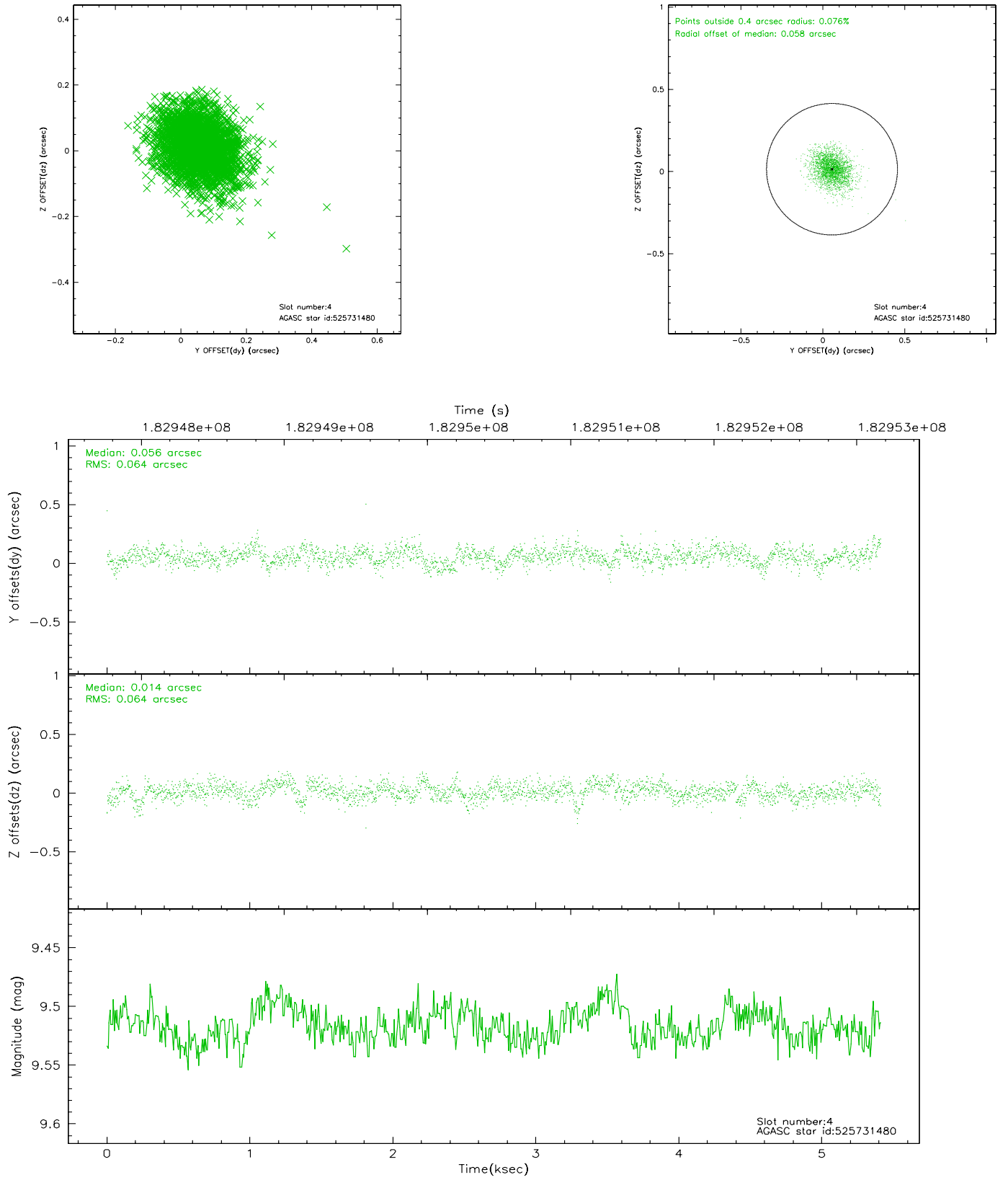
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	1321	0.008	0.040	0.011	0.029	0.000000	0.000000	-762.94	-1296.29
1	FID	HRC-I-2	7.05	1321	0.136	-0.118	0.008	0.019	0.000000	0.000000	849.24	-1299.04
2	FID	HRC-I-3	7.10	1321	-0.025	-0.013	0.013	0.025	0.000000	0.000000	-1190.77	1007.24
3	GUIDE	525606576	9.44	2638	0.002	-0.003	0.112	0.184	349.543555	58.678895	2236.31	-1196.13
4	GUIDE	525731480	9.52	2639	0.056	0.014	0.096	0.160	351.647209	58.687294	-754.37	1361.85
5	GUIDE	525732488	8.42	2641	-0.031	0.107	0.062	0.107	350.087090	58.516915	1861.38	-82.22
6	GUIDE	525735976	8.69	2641	-0.100	-0.102	0.065	0.109	350.142956	58.277622	2352.90	633.01
7	GUIDE	525732528	9.36	2607	0.076	-0.016	0.091	0.152	351.607241	59.298932	-2115.70	-369.57

2.4 Star Slots

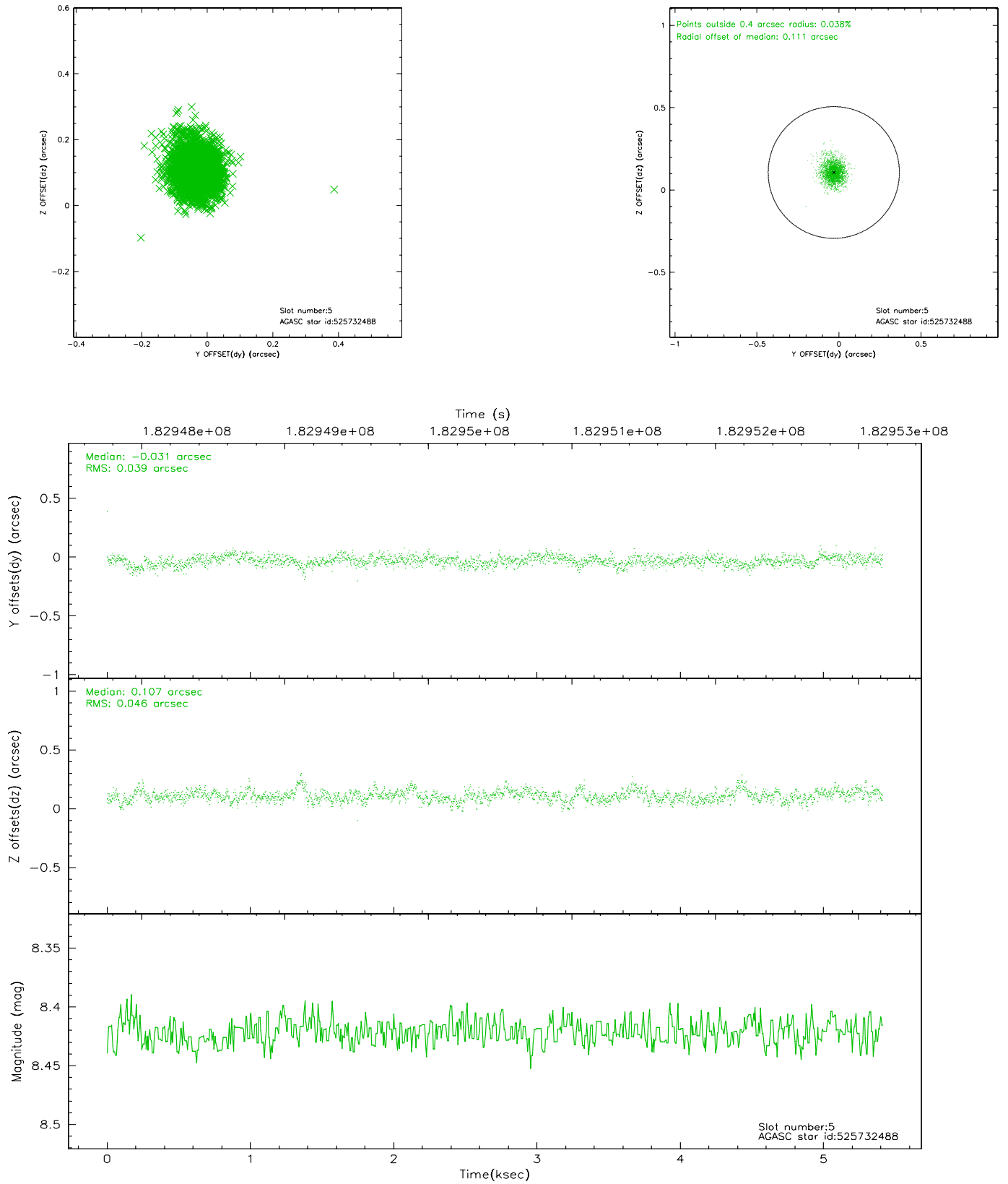
2.4.1 Slot 3



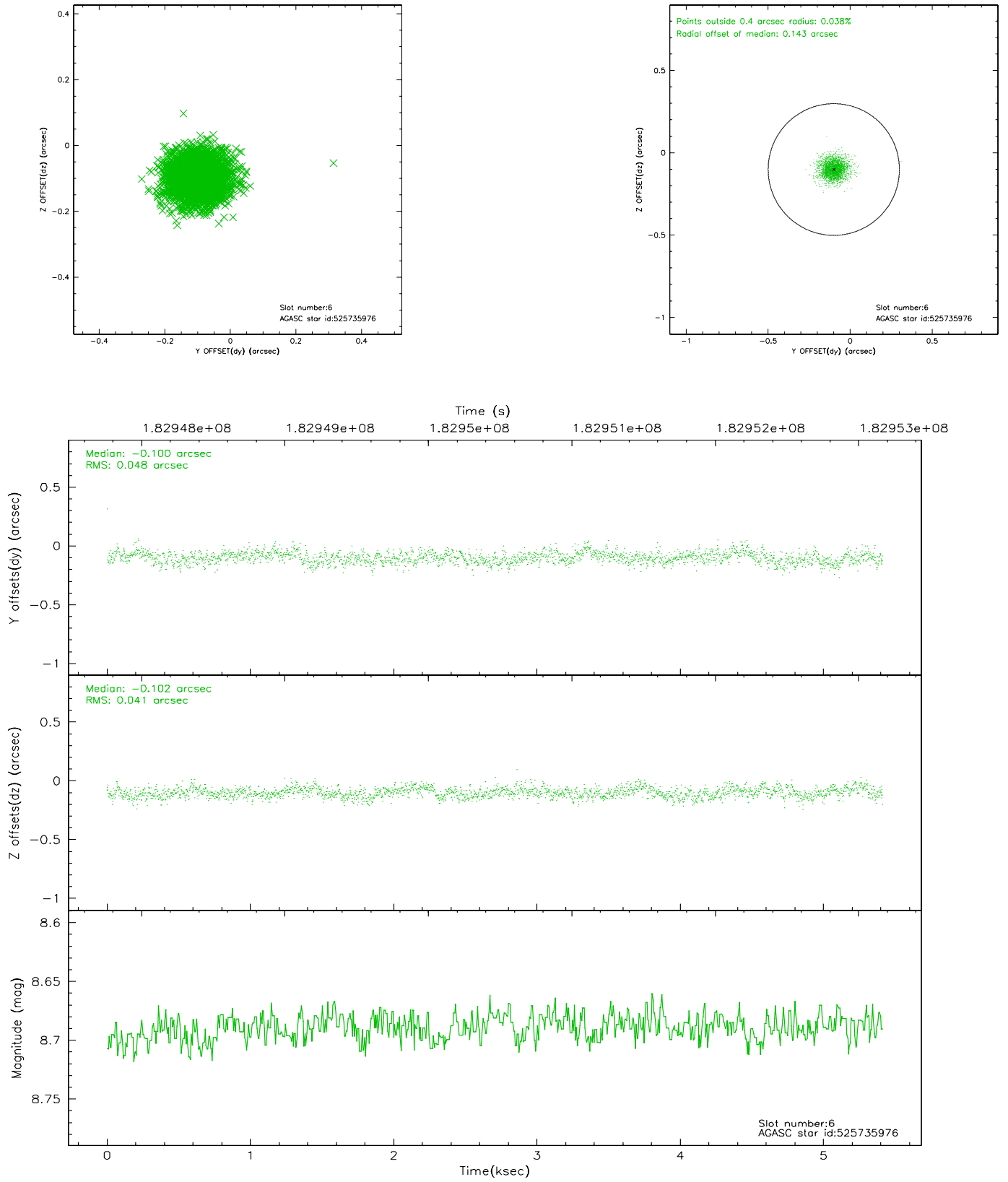
2.4.2 Slot 4



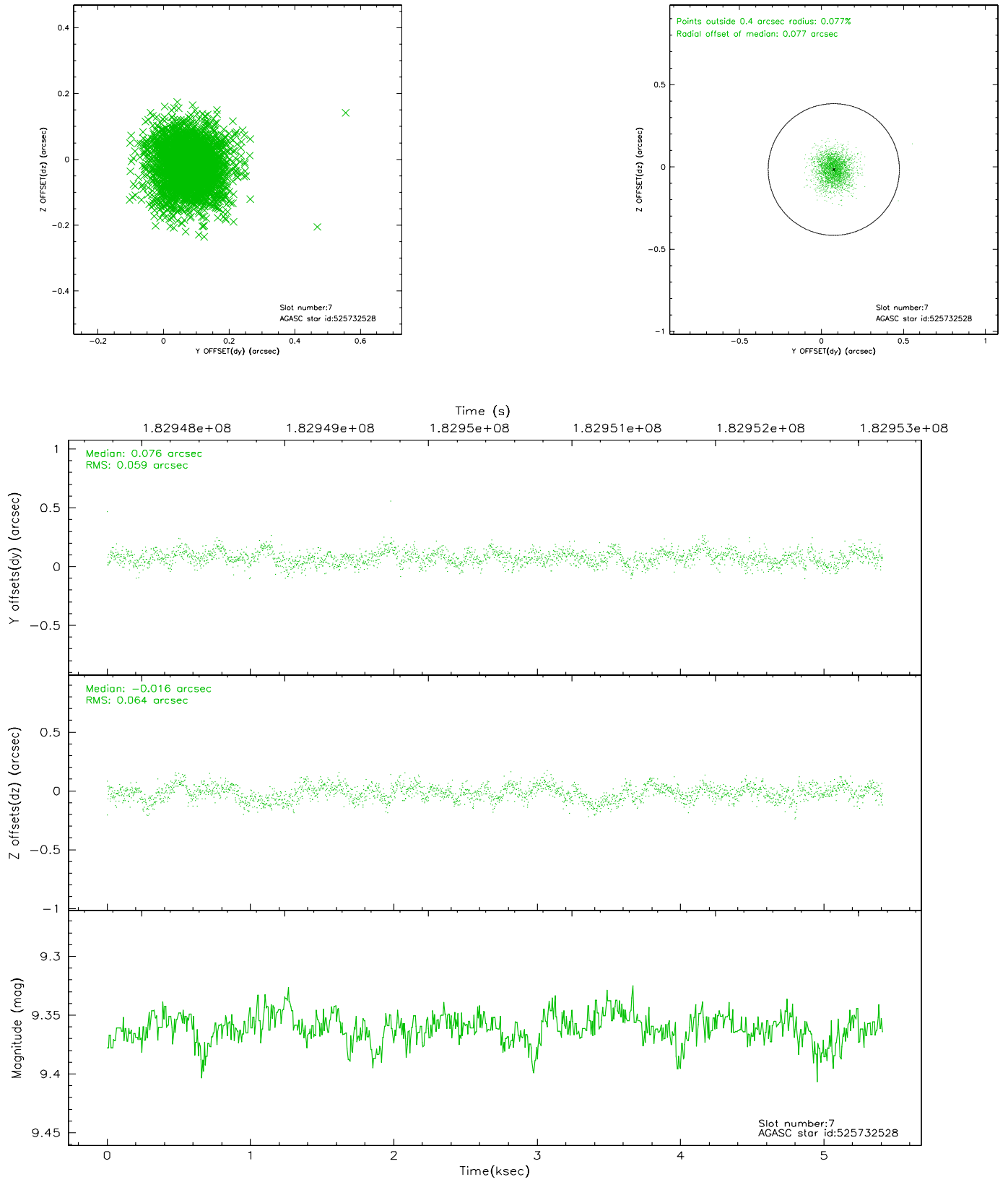
2.4.3 Slot 5



2.4.4 Slot 6

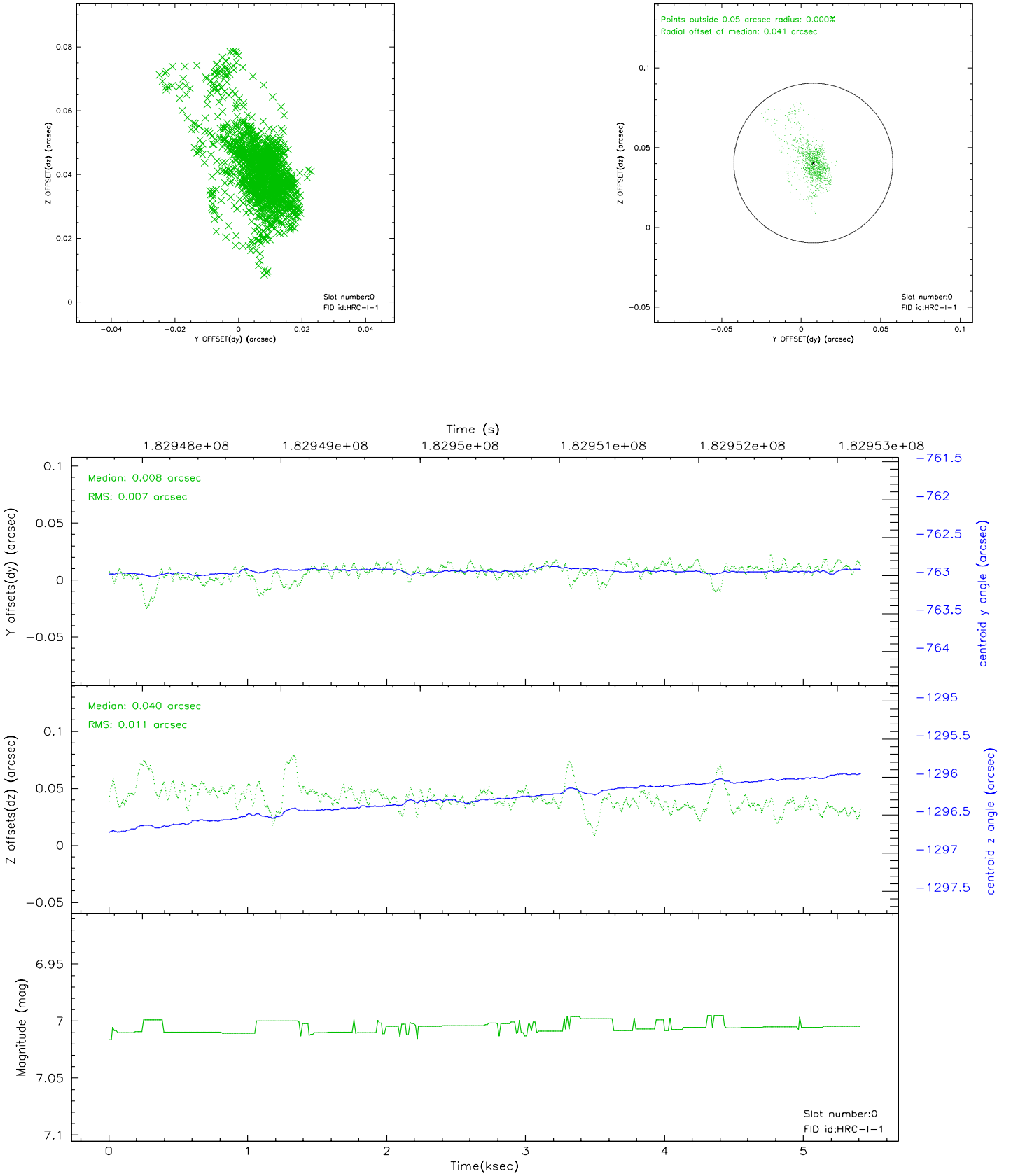


2.4.5 Slot 7

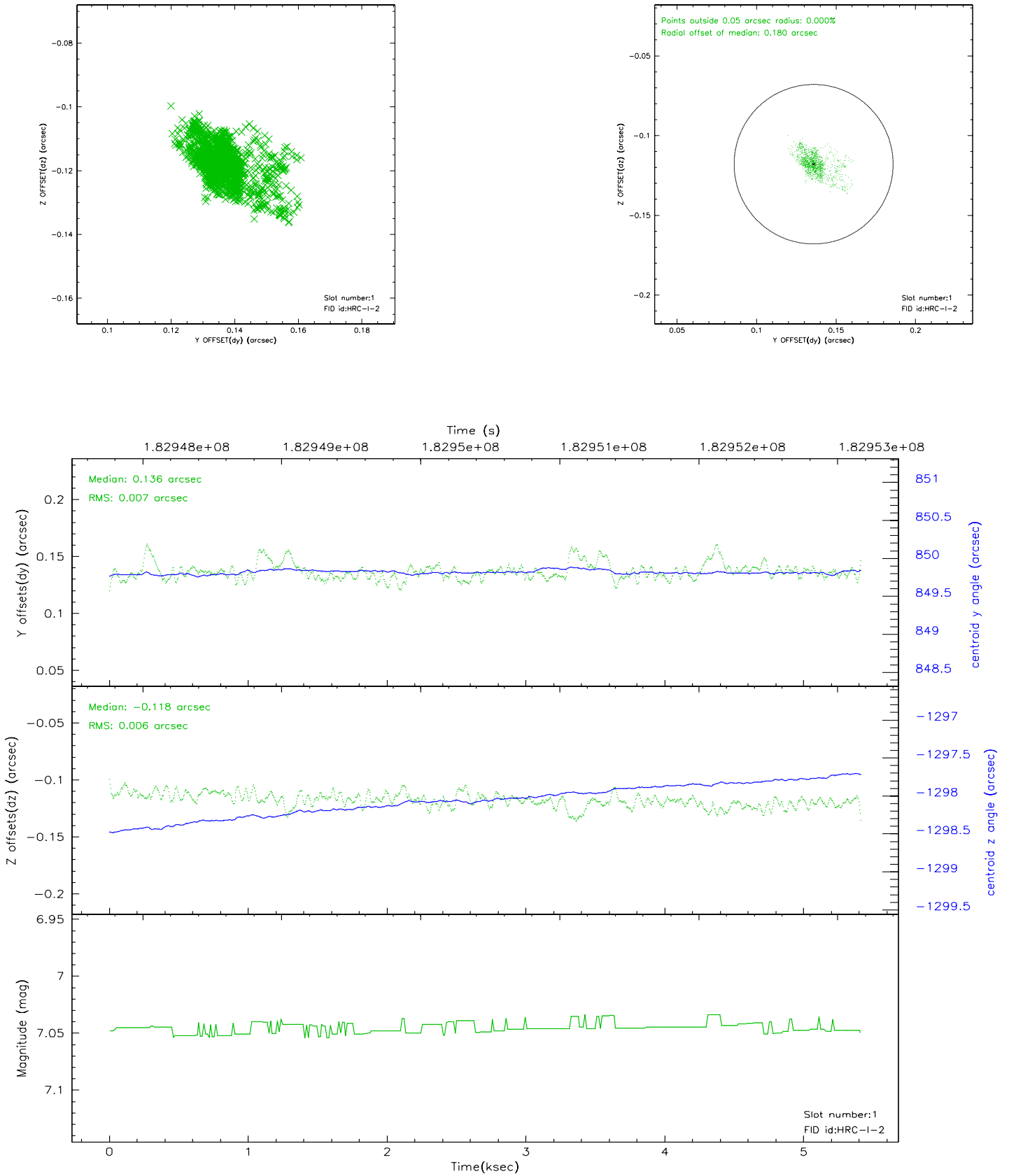


2.5 FID Slots

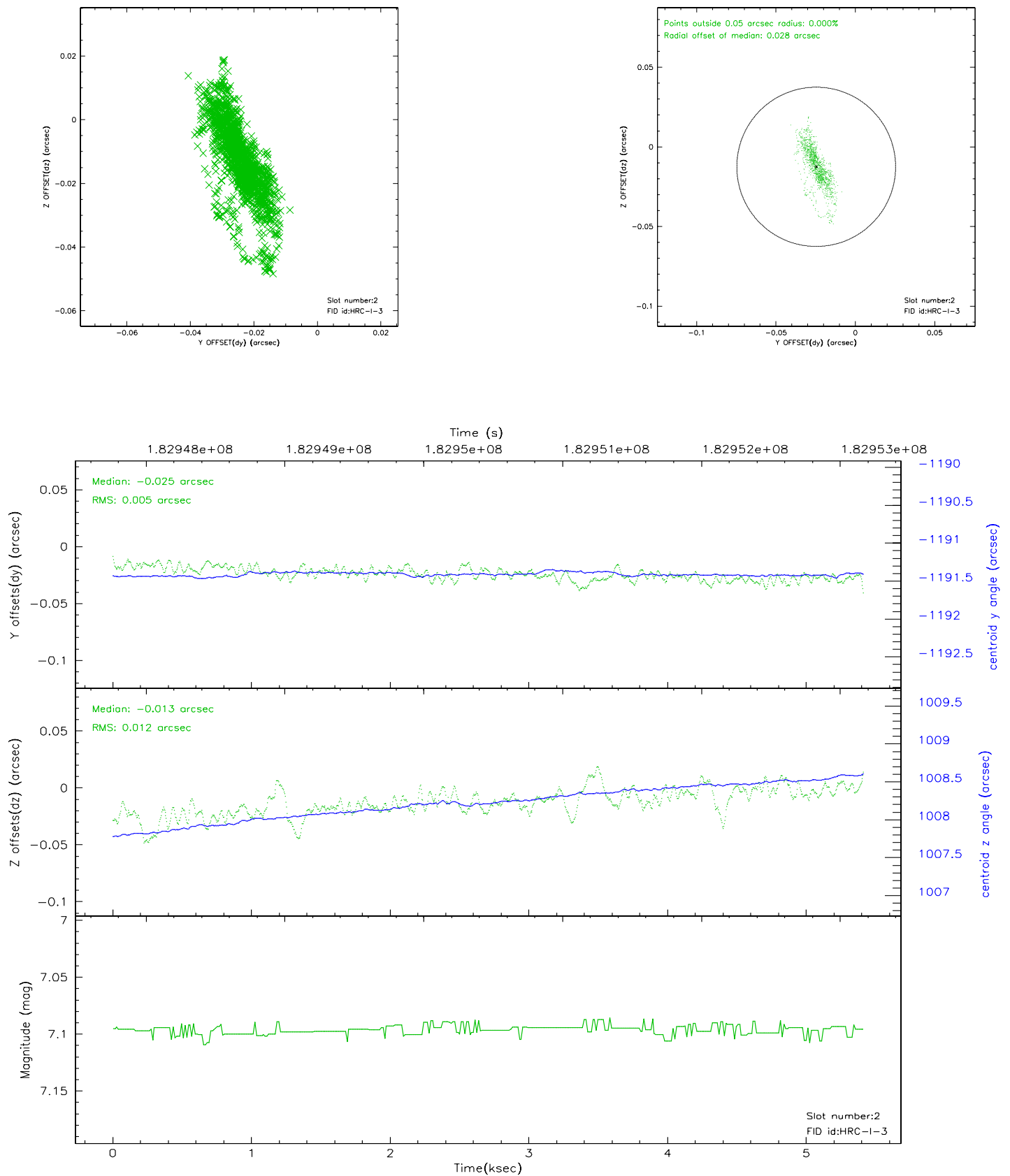
2.5.1 Slot 0



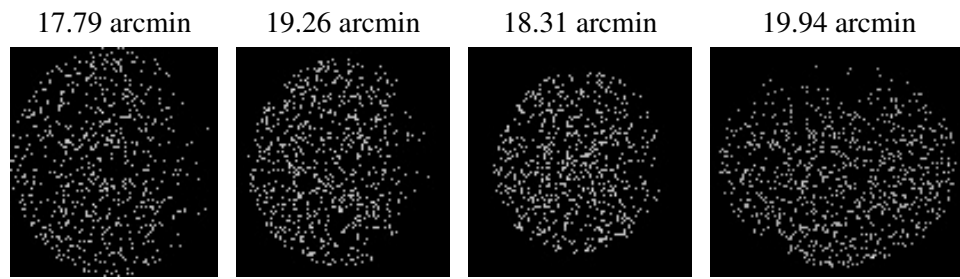
2.5.2 Slot 1



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	5.134

A.2 Comments

Window constraint satisfied. Count rate increases in latter half of observation.

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.