

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 6072 - L2 Version 3
Chandra X-Ray Center

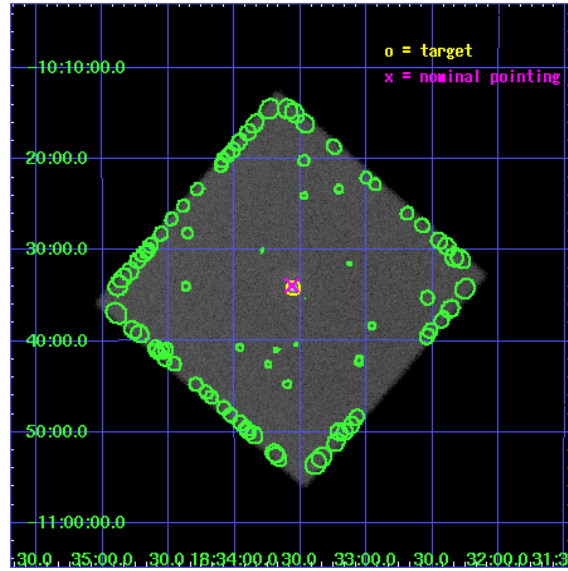
L2 Processing Date : Nov 24 2007

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

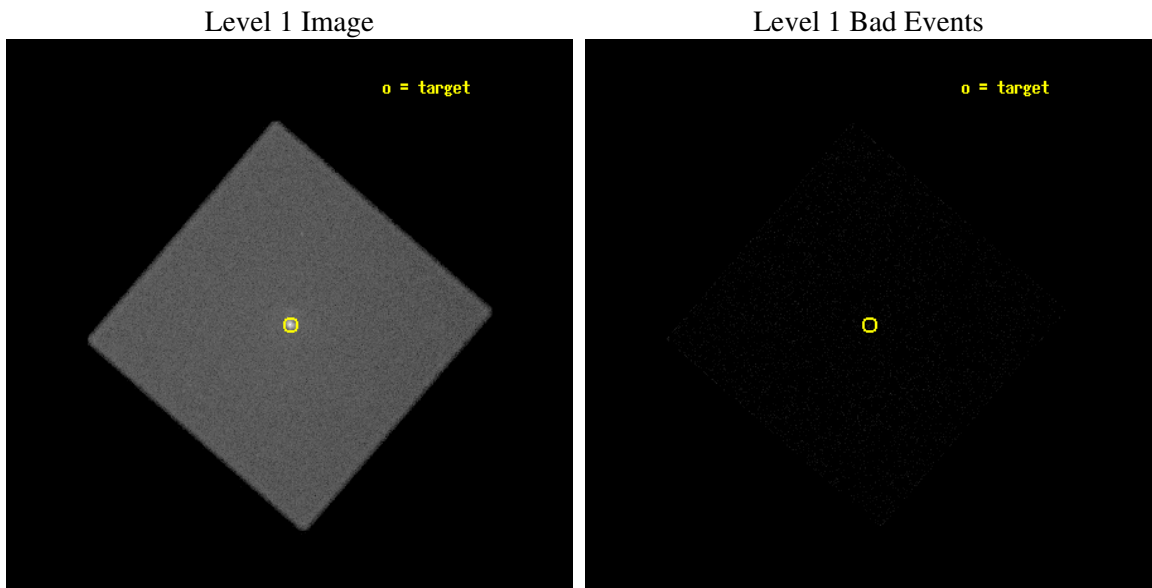
seq_num	590399
obs_id	6072
title	AO6A Observations of the Standard Candles Cas A and G21.5-09
observer	Dr. CXC Calibration
object	G21.5-09
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.39147290971
dec_nom	-10.564917729905
roll_nom	85.947672614844
revision	3
ontime	19150.075867176
livetime	19020.174625653
l2events	691610



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	2007-11-24T07:08:42
revision	3

sched_exp_time	19000.000000
ontime	19150.075867176
l1events	1058473

2.1.3 Events

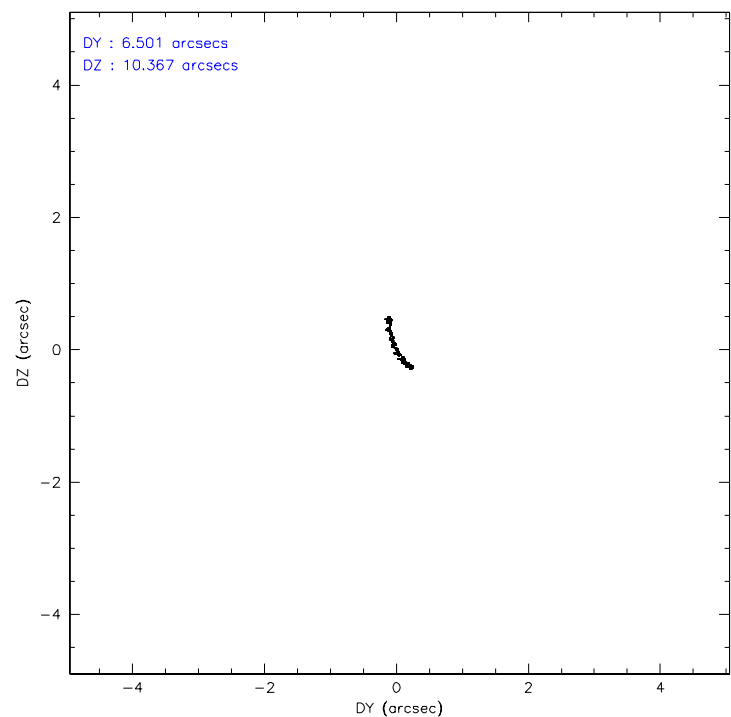
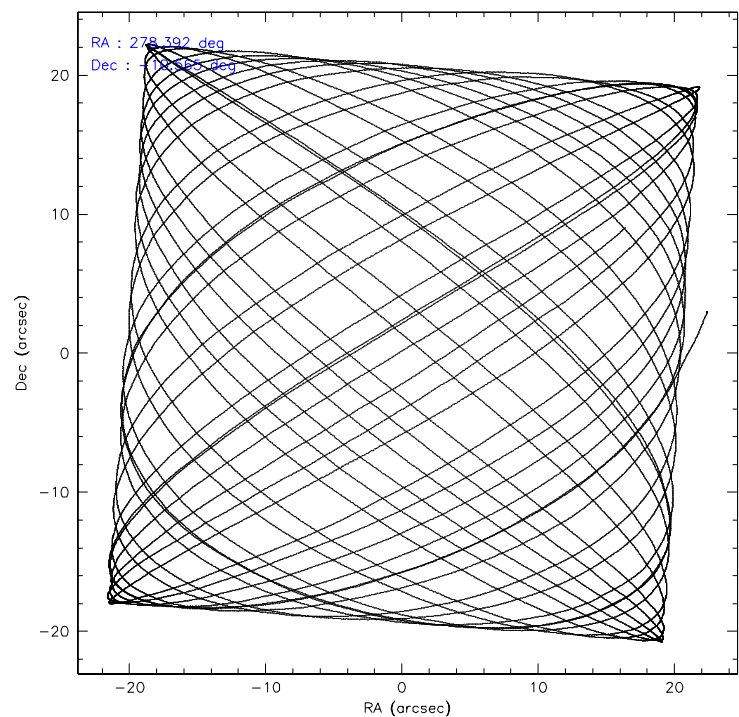
Level 1 Events

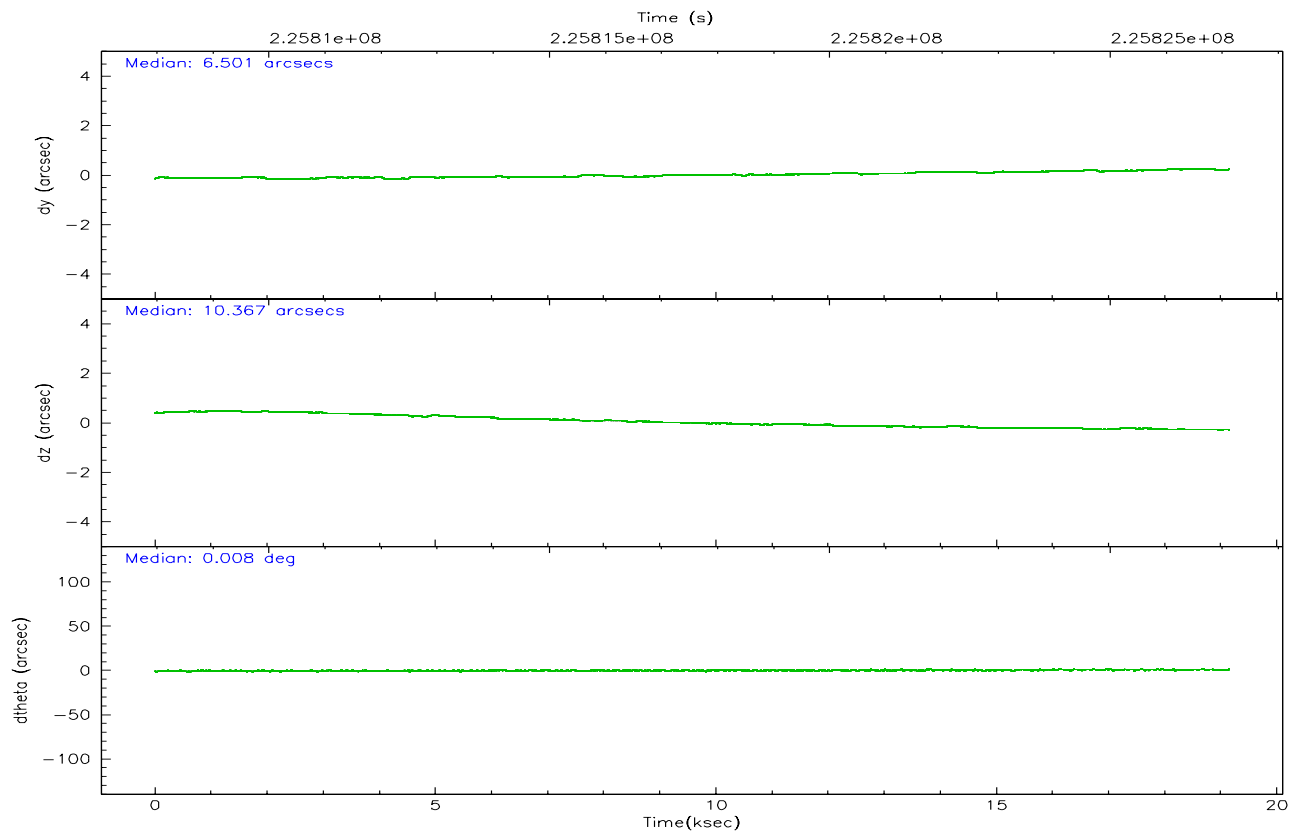
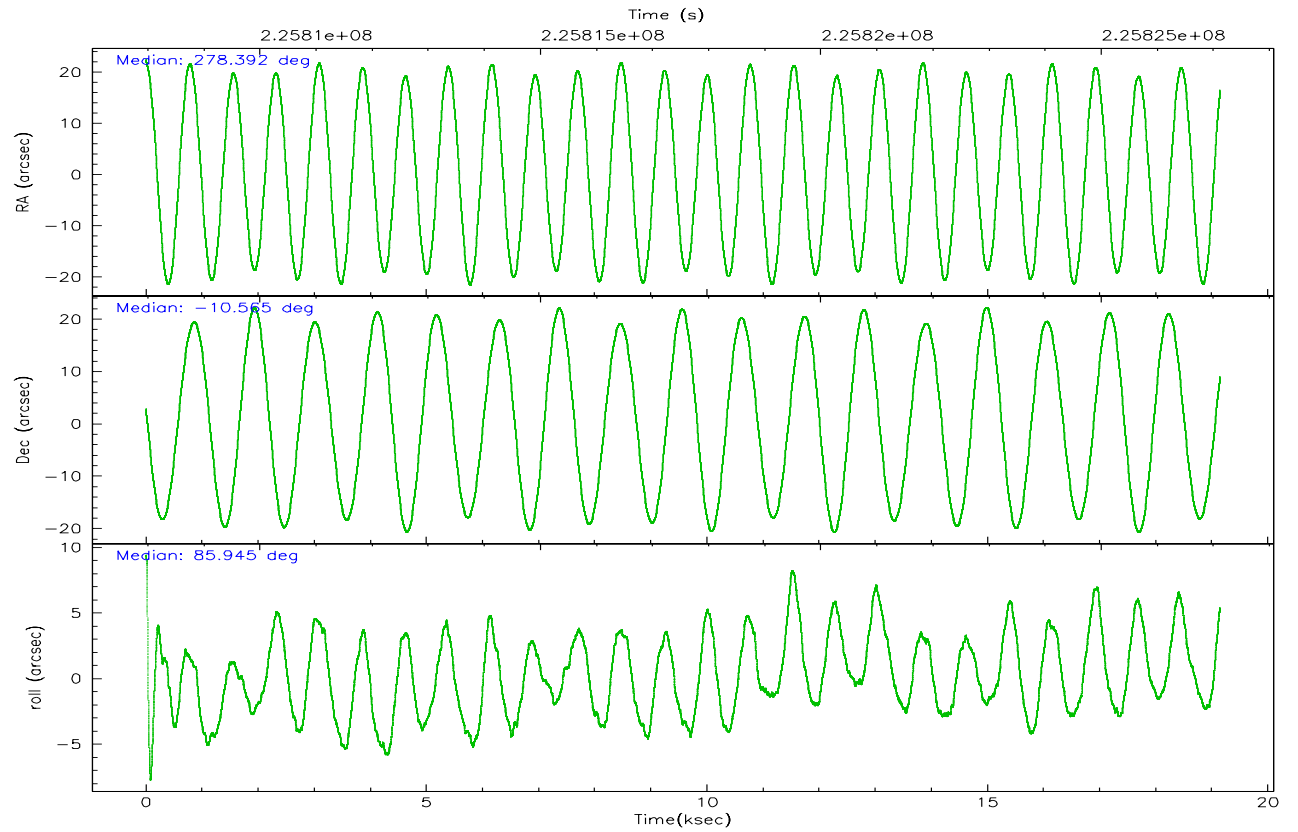
	segment 0
level 1 events	1058473
rejected events	28560
rejected %	2%

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	278.404125	278.3914729097086			
Pointing Dec	-10.588897	-10.56491772990534			
Pointing Roll	86.045488	85.94767261484392			
Window start time	225331264.184000	225331264.184000			
Window stop time	228614464.184000	228614464.184000			
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	225808119.184000	225807718.38259			
Observation start date	2005-02-26T12:27:35	2005-02-26T12:21:58			
Observation end time	225827119.184000	225827614.65849			
Observation end date	2005-02-26T17:44:15	2005-02-26T17:53:34			

2.3 Aspect



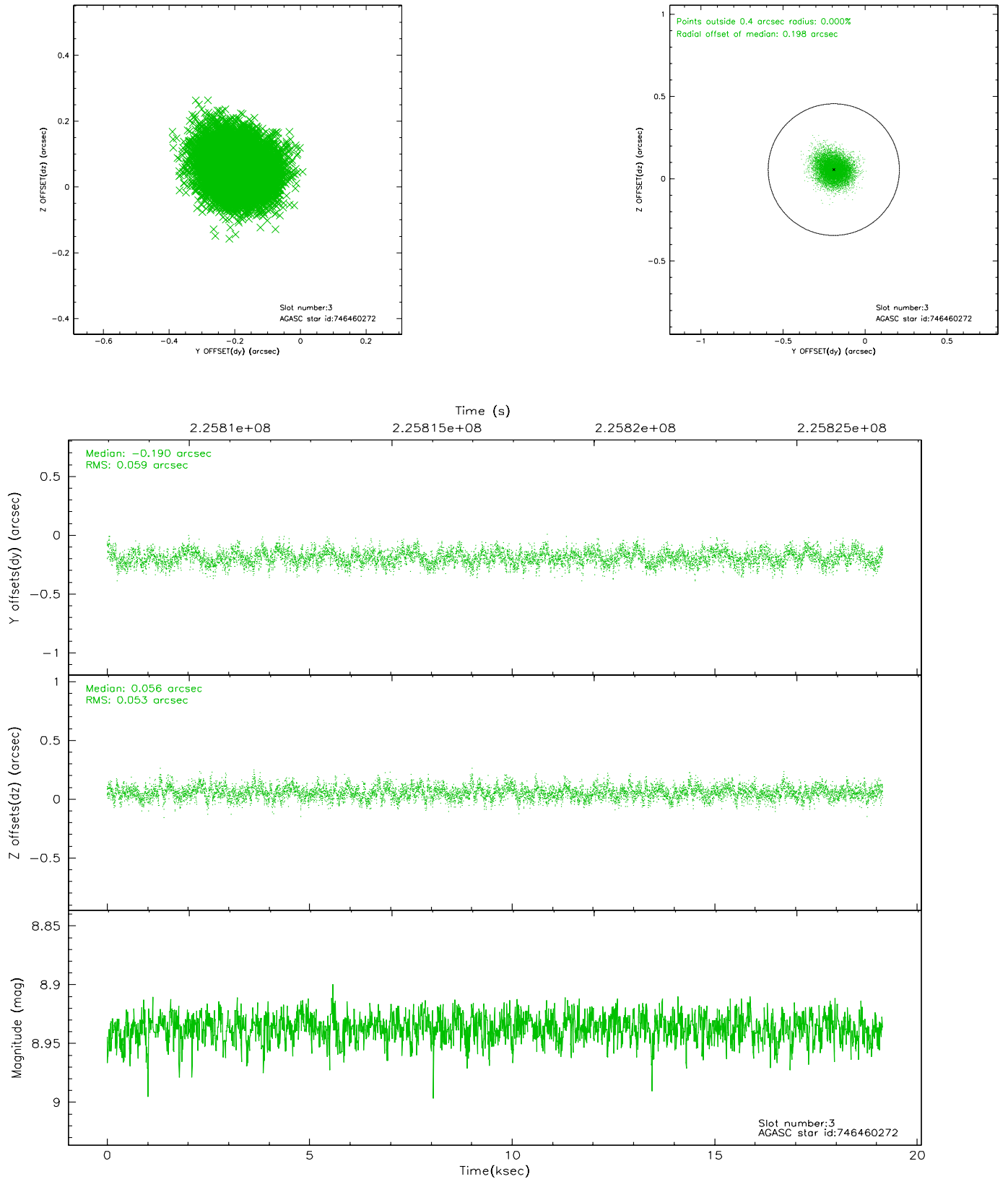


Slot Statistics

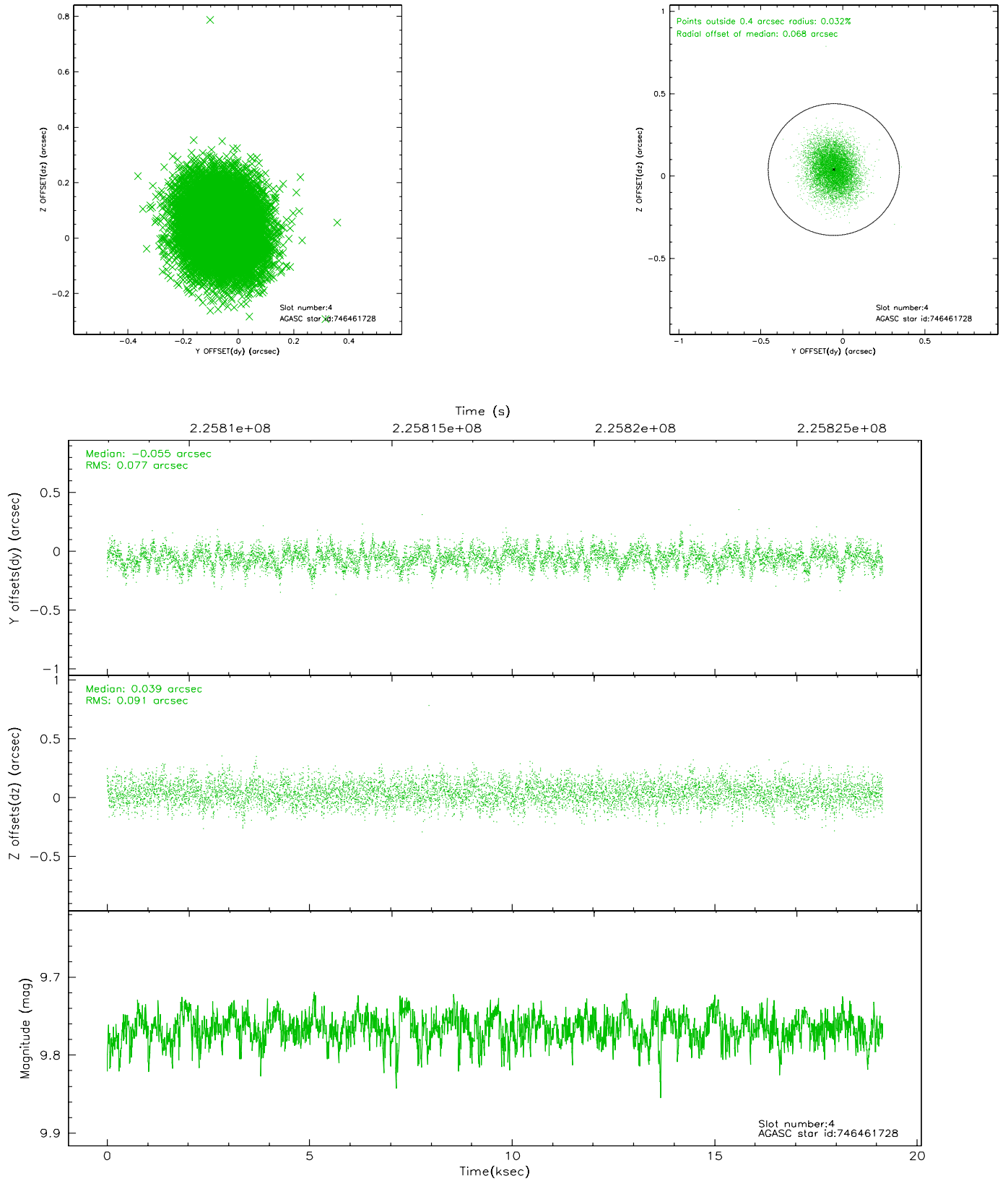
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	4671	-0.009	0.005	0.012	0.021	0.000000	0.000000	-762.07	-1298.37
1	FID	HRC-I-2	7.06	4671	0.101	-0.052	0.007	0.011	0.000000	0.000000	850.50	-1300.25
2	FID	HRC-I-3	7.10	4671	0.027	-0.043	0.010	0.020	0.000000	0.000000	-1190.38	1005.86
3	GUIDE	746460272	8.94	9336	-0.190	0.056	0.085	0.135	278.847488	-10.152127	1676.68	-1458.72
4	GUIDE	746461728	9.77	9306	-0.055	0.039	0.127	0.206	278.986921	-10.530755	350.33	-2043.38
5	GUIDE	746462392	8.54	9339	0.085	0.042	0.092	0.144	279.038421	-10.890715	-931.48	-2312.86
6	GUIDE	746462456	8.38	9341	0.019	-0.119	0.070	0.113	278.652171	-10.530173	271.27	-861.63
7	GUIDE	746462680	9.02	9315	0.145	-0.015	0.081	0.134	278.660755	-10.782756	-632.91	-953.50

2.4 Star Slots

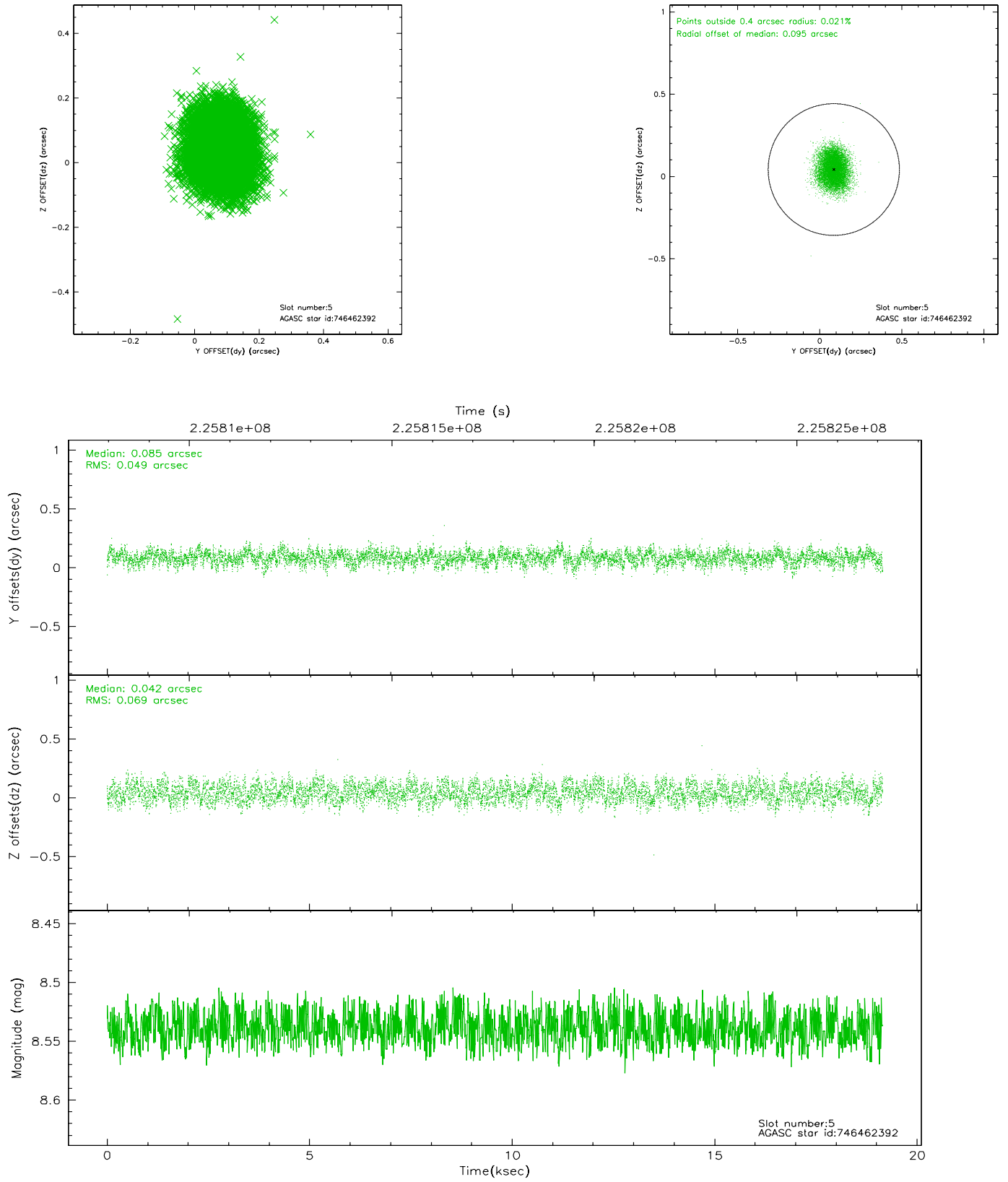
2.4.1 Slot 3



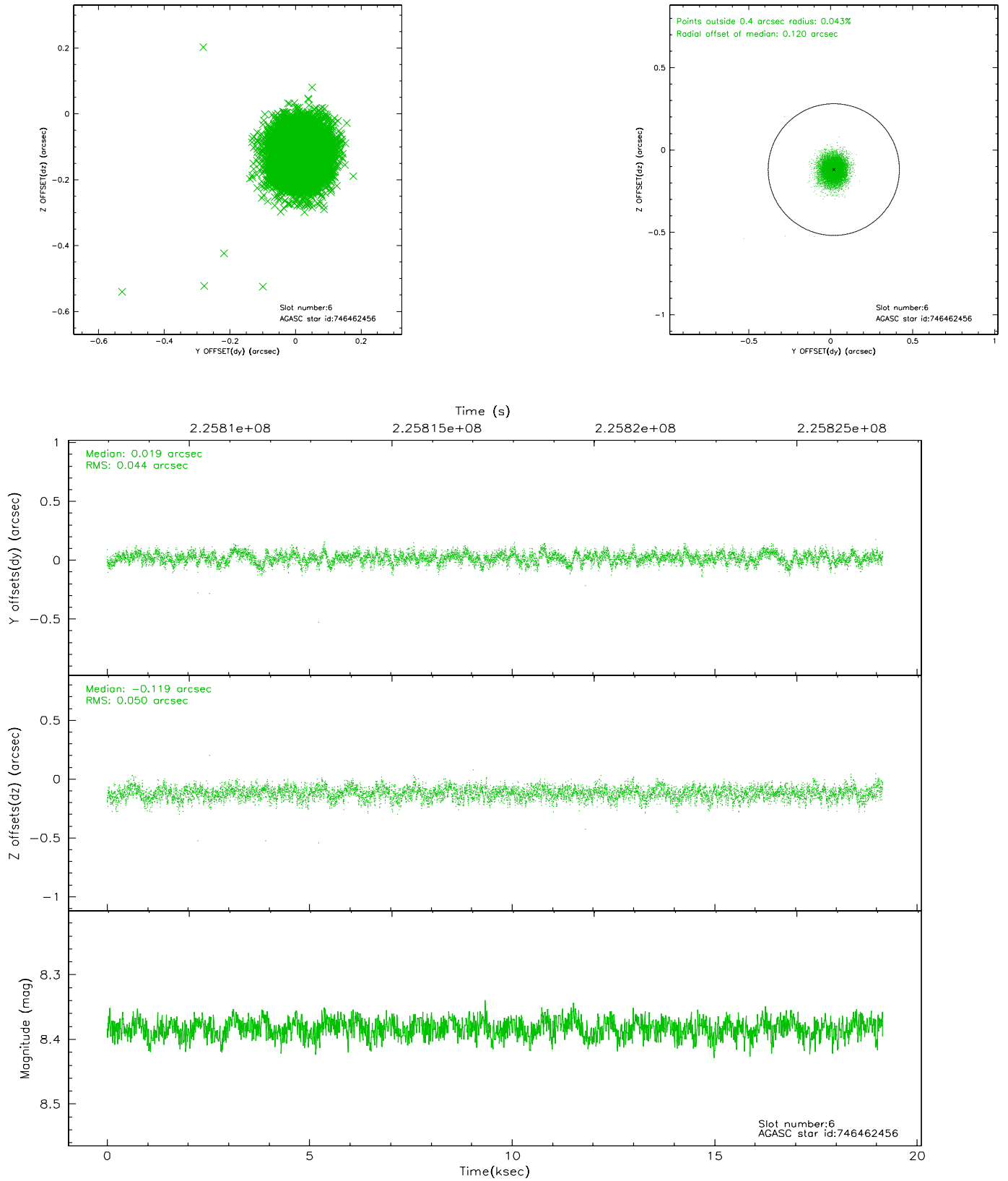
2.4.2 Slot 4



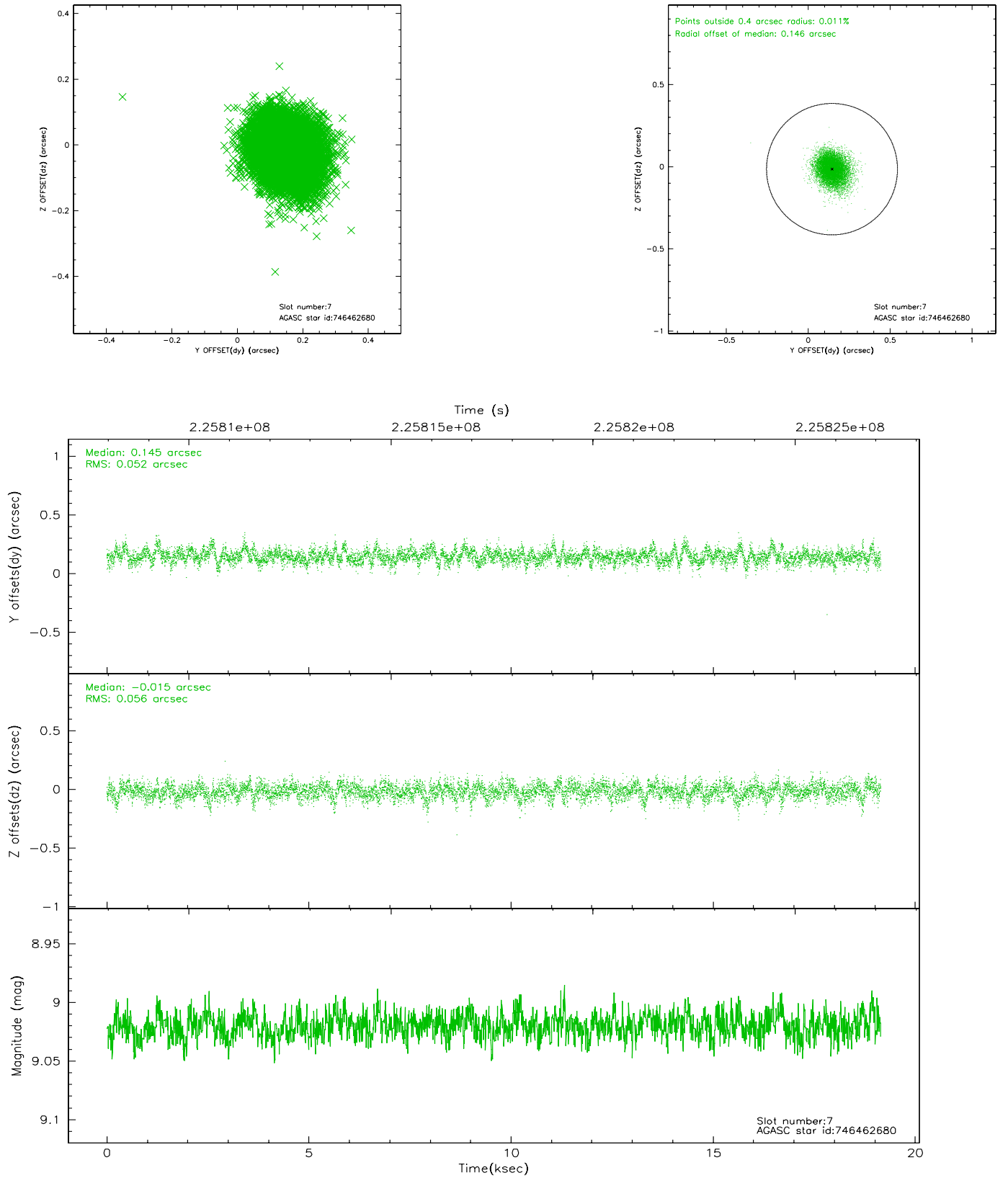
2.4.3 Slot 5



2.4.4 Slot 6

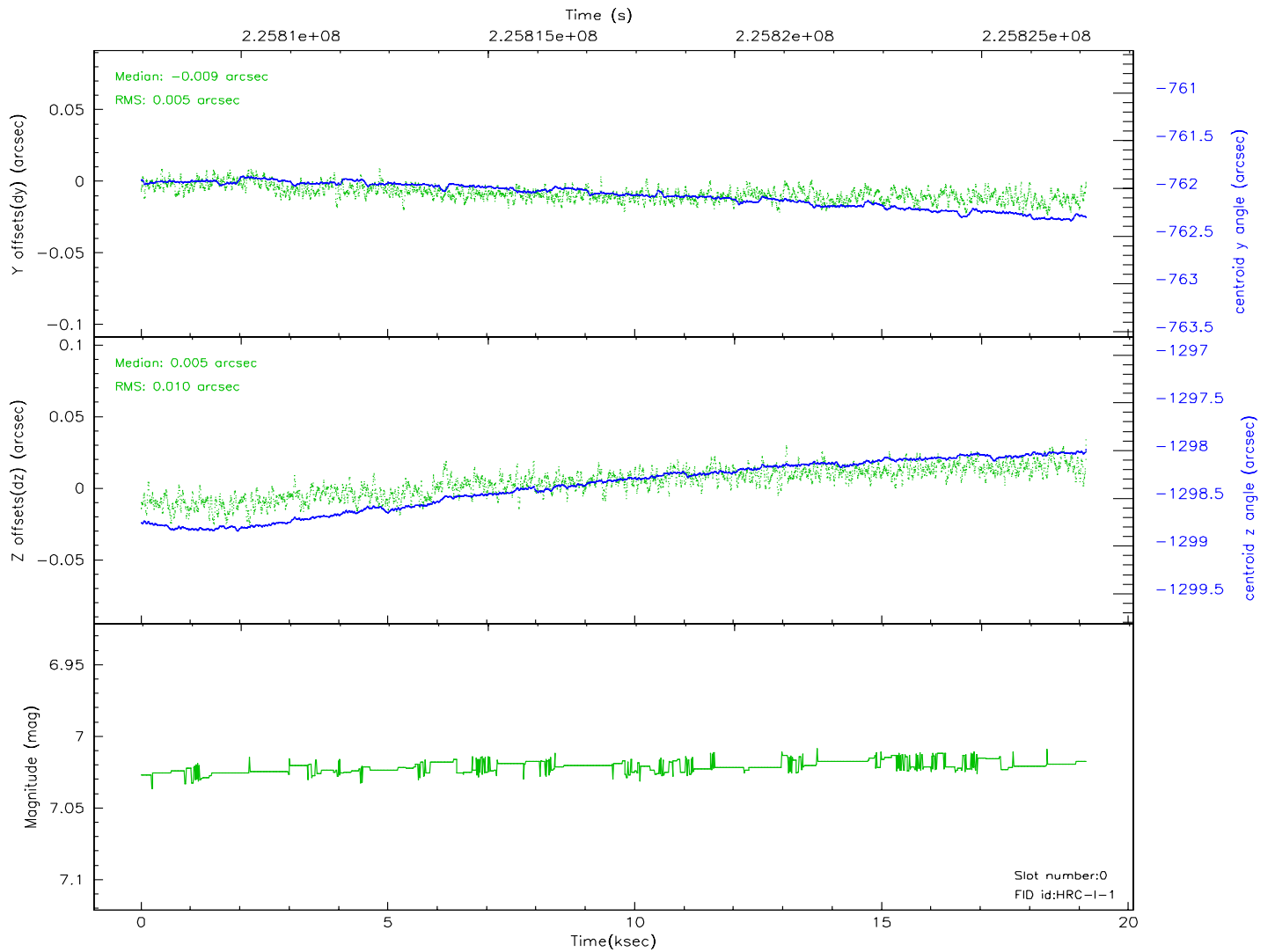
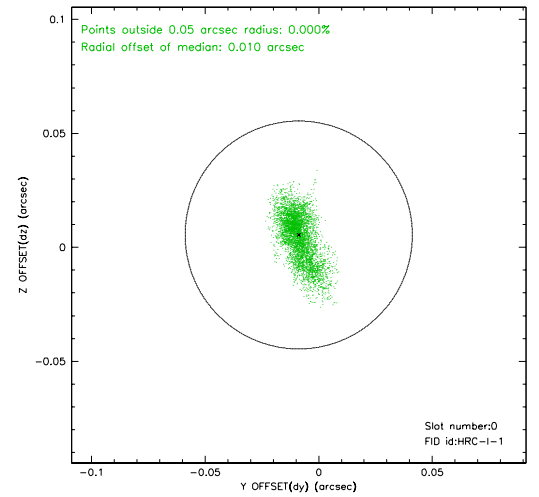
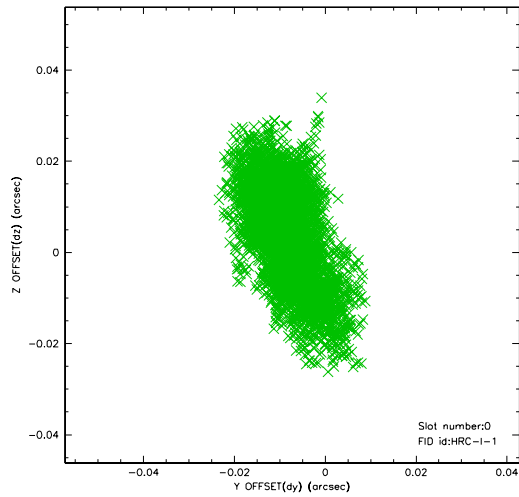


2.4.5 Slot 7

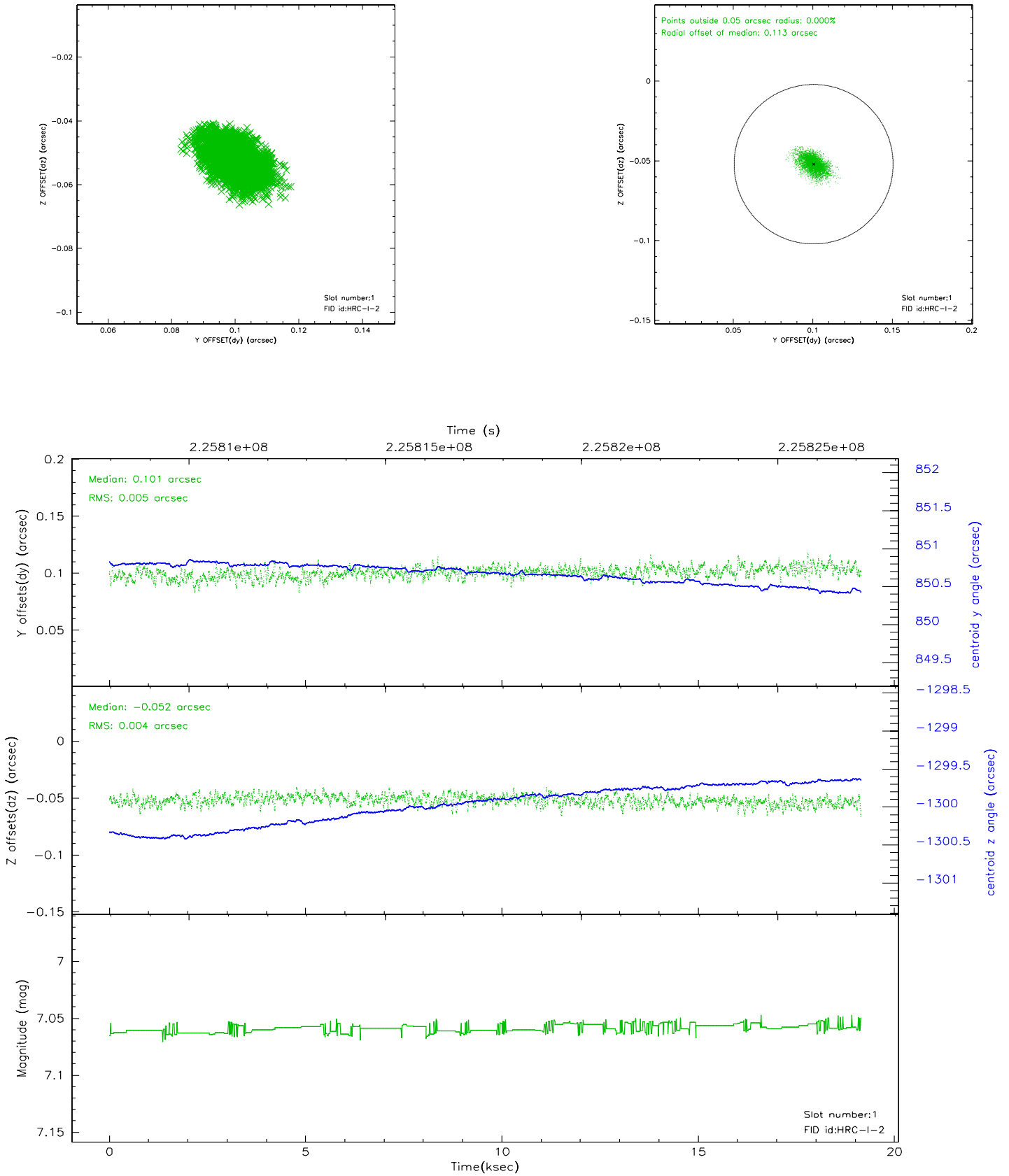


2.5 FID Slots

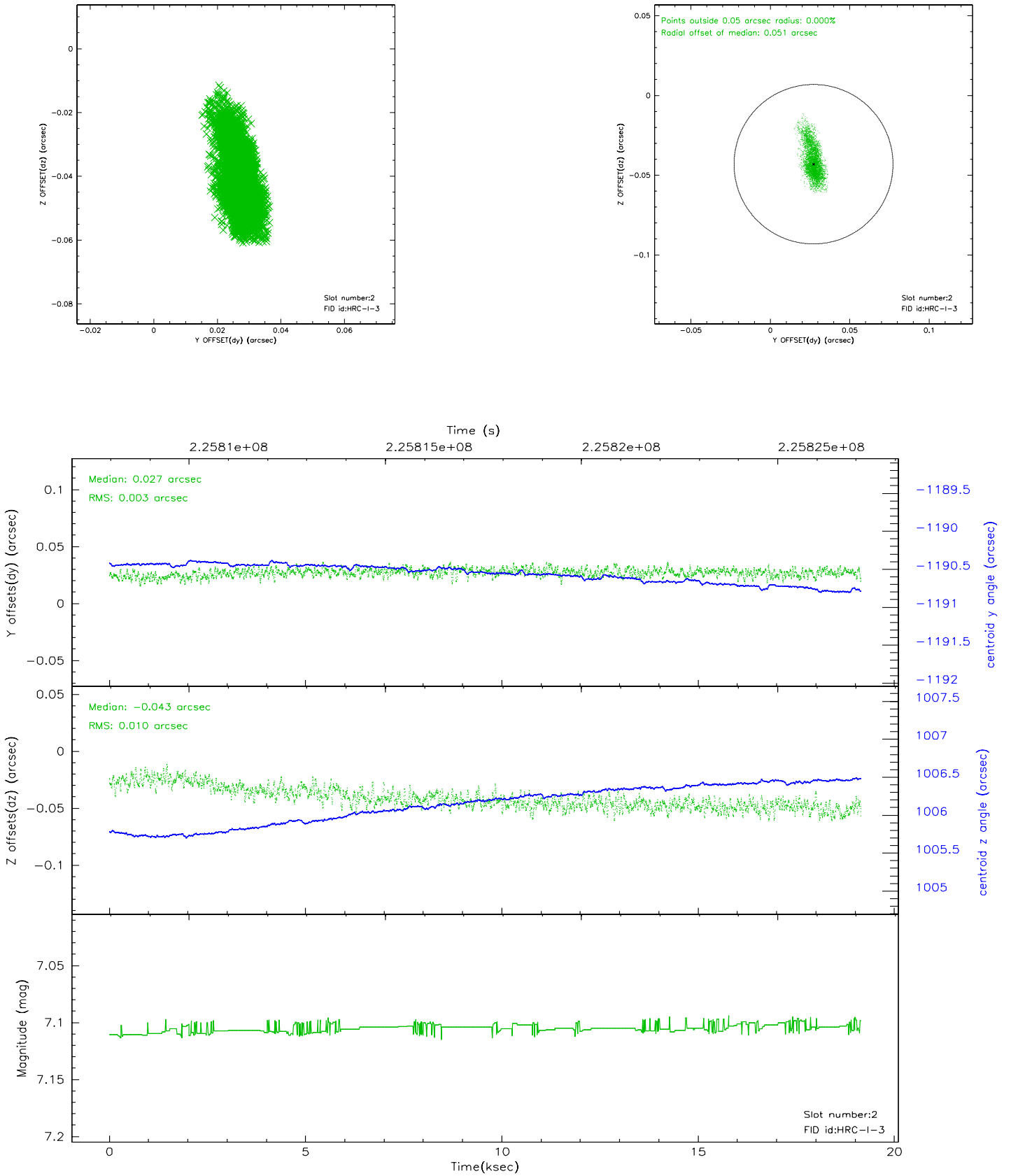
2.5.1 Slot 0



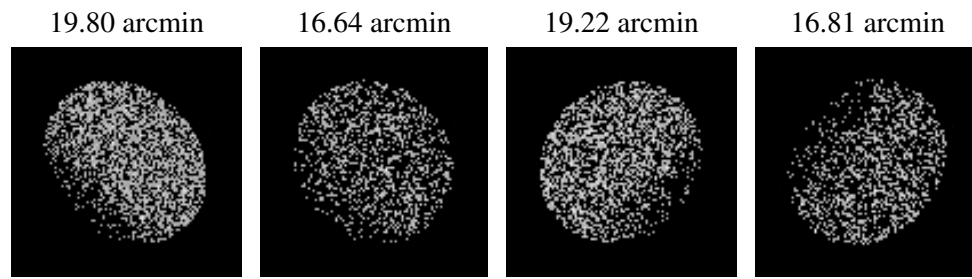
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.15007

A.2 Comments

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.