

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2621 - L2 Version 3
Chandra X-Ray Center

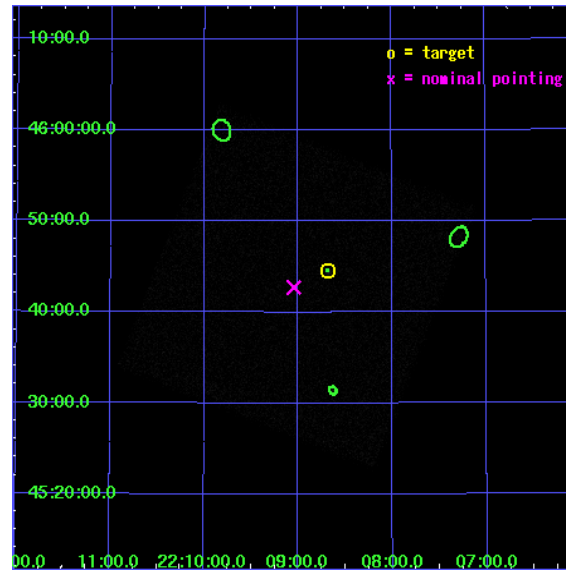
L2 Processing Date : Nov 21 2007

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

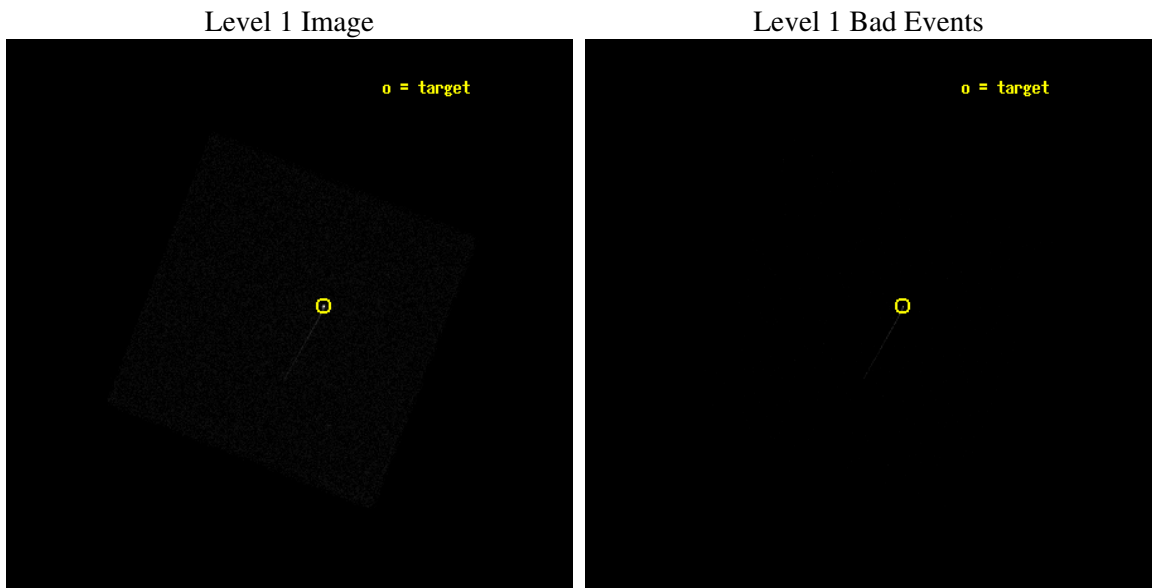
seq_num	290177
obs_id	2621
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.2615188678
dec_nom	45.712351983982
roll_nom	336.55198144019
revision	3
ontime	1192.3312980235
livetime	1185.6586613865
l2events	37490



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T18:23:04
revision	3

sched_exp_time	1000.000000
ontime	1192.3312980235
l1events	68046

2.1.3 Events

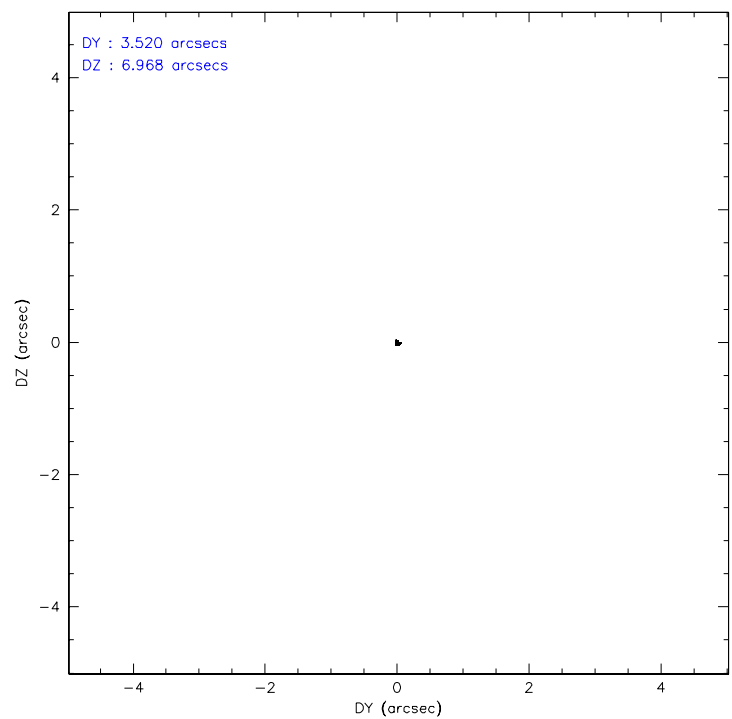
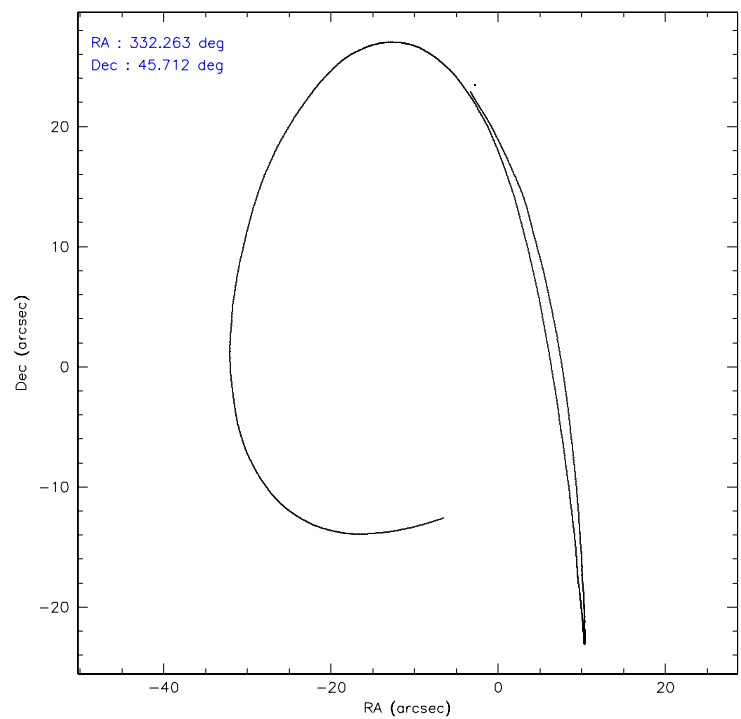
Level 1 Events

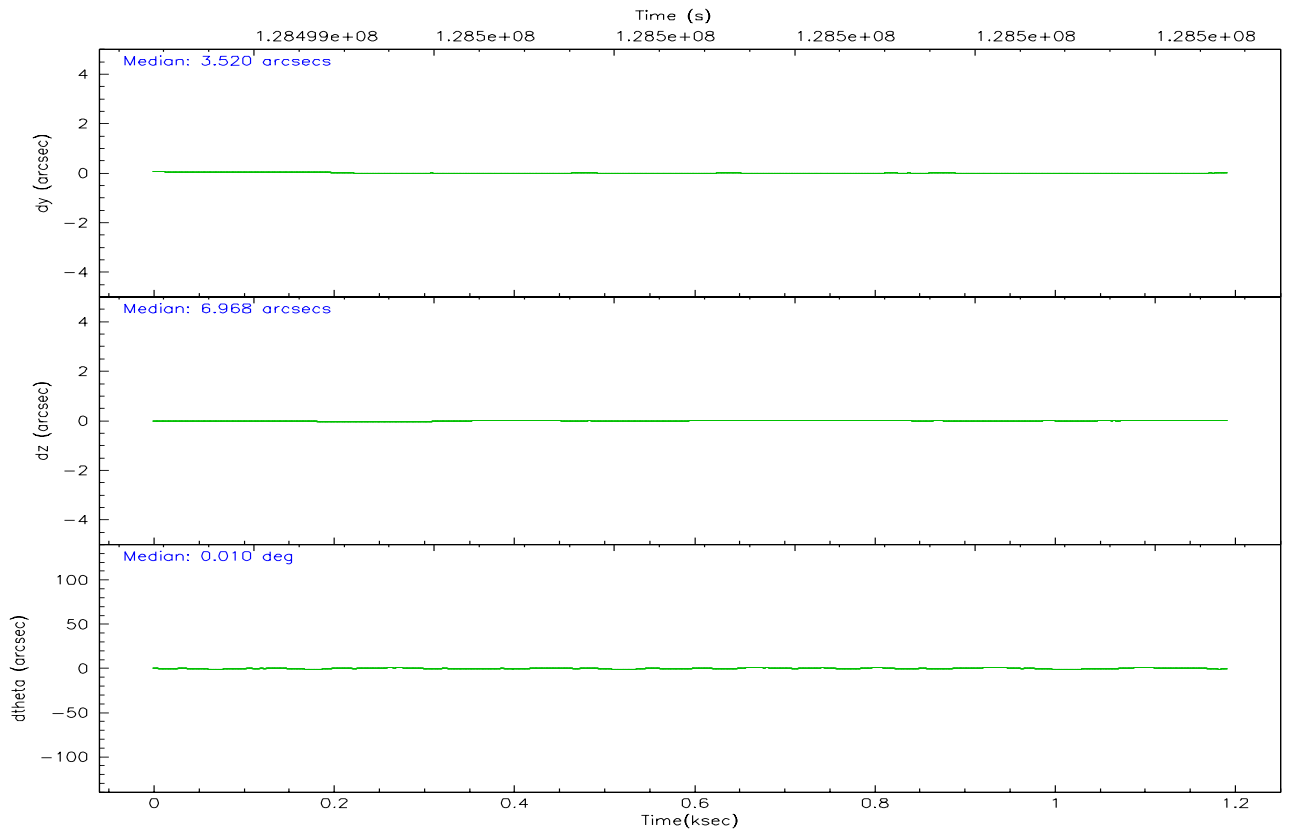
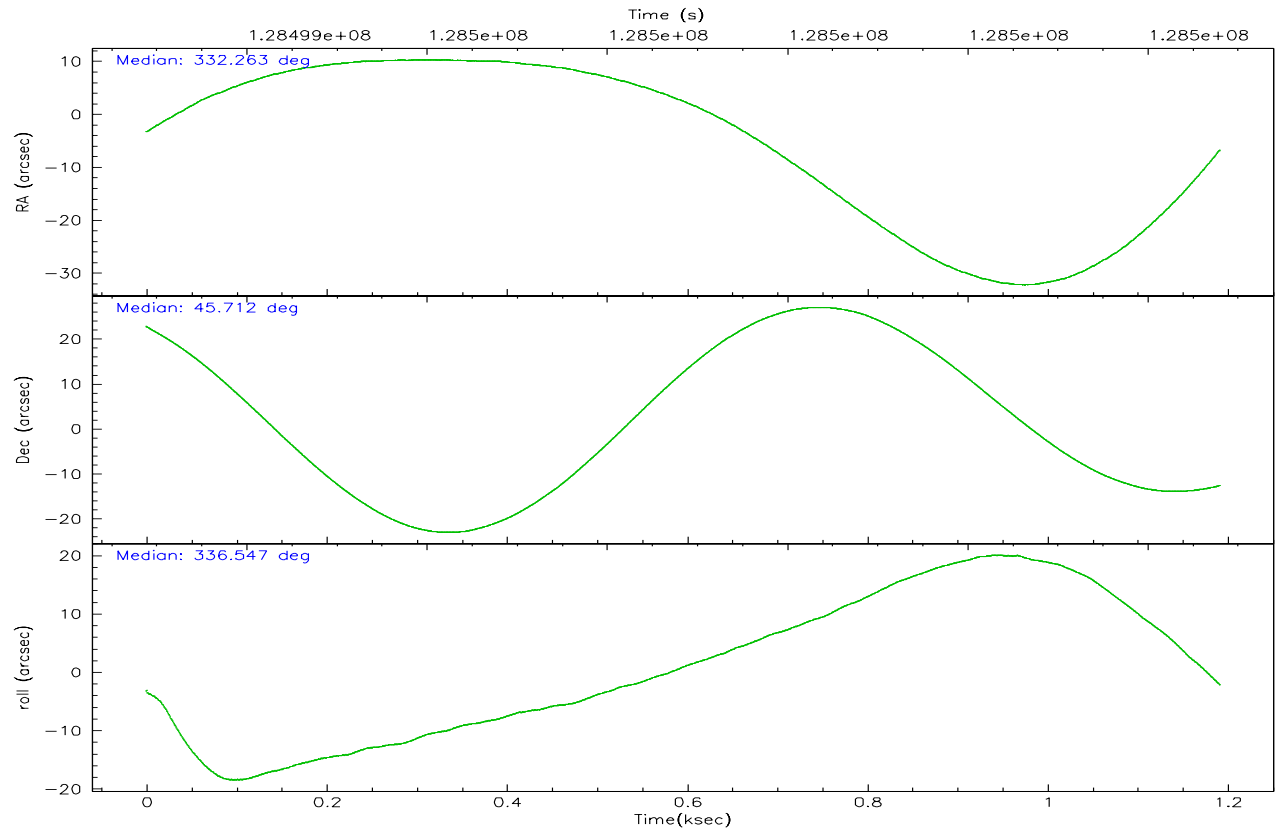
	segment 0
level 1 events	68046
rejected events	13993
rejected %	20%

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	332.223400	332.2615188678004			
Pointing Dec	45.709182	45.71235198398202			
Pointing Roll	336.674720	336.5519814401923			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	128499479.184000	128499103.97811			
Observation start date	2002-01-27T06:16:55	2002-01-27T06:11:43			
Observation end time	128500479.184000	128500613.29067			
Observation end date	2002-01-27T06:33:35	2002-01-27T06:36:53			

2.3 Aspect



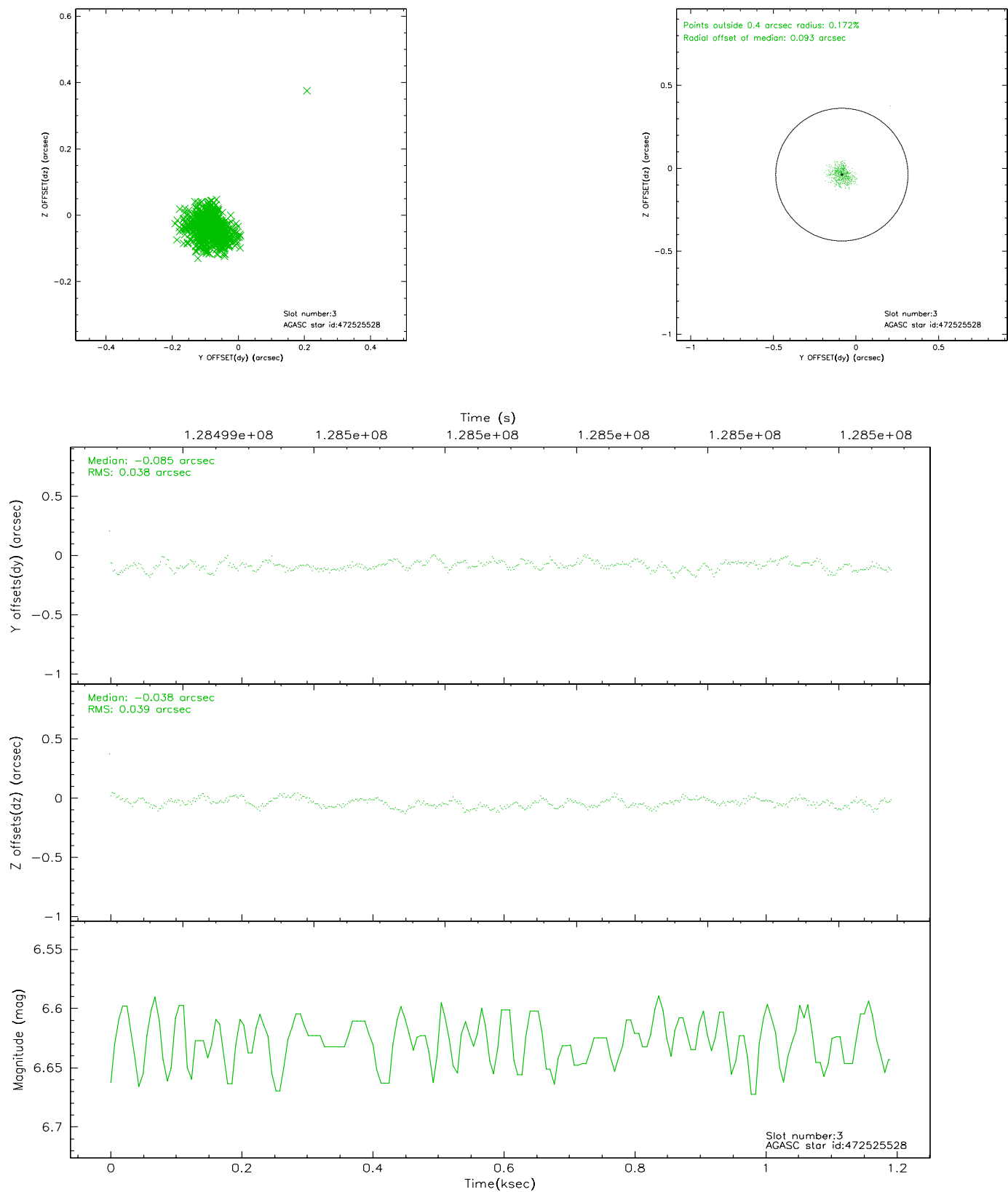


Slot Statistics

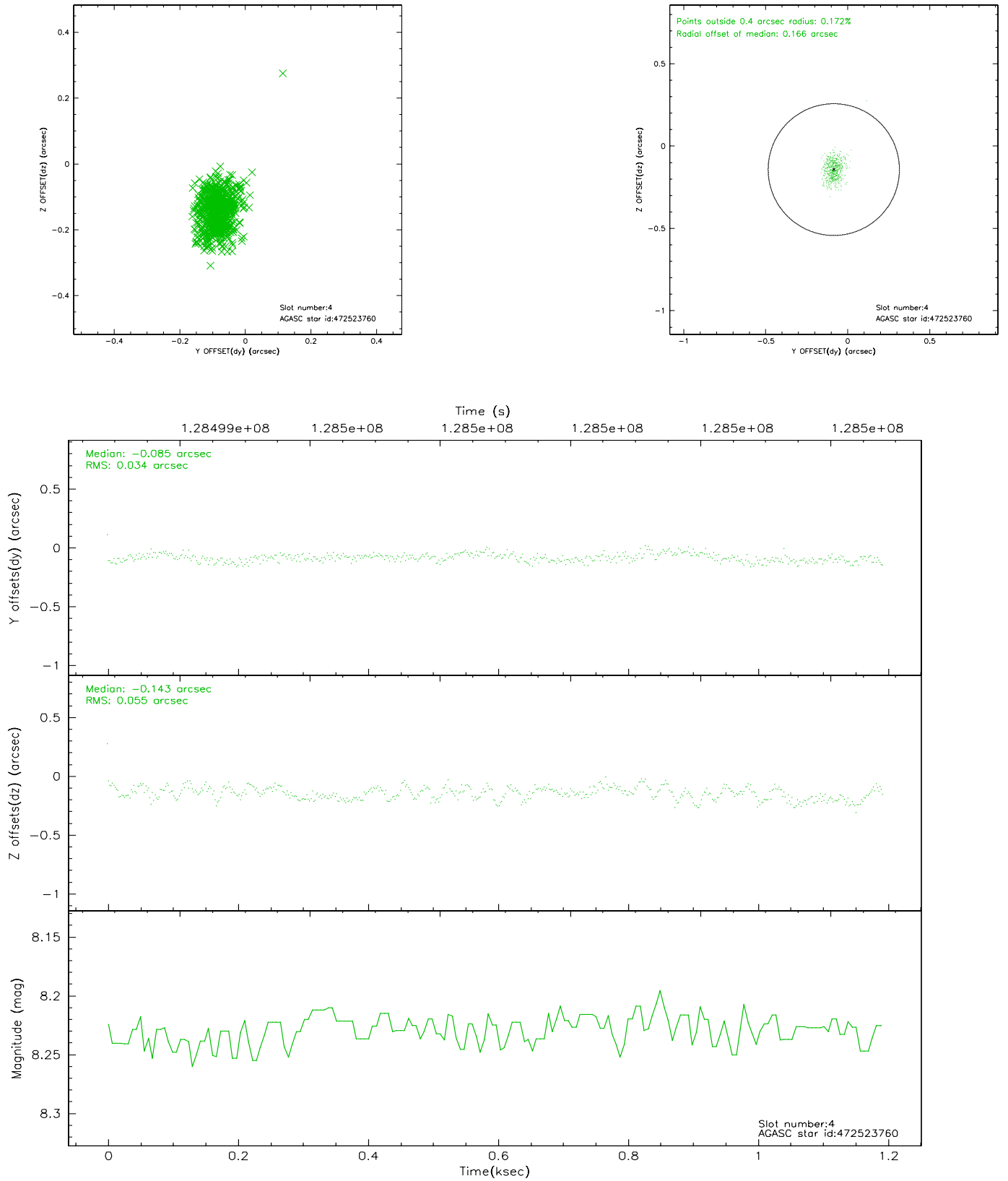
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	291	0.041	0.025	0.005	0.008	0.000000	0.000000	-759.00	-1294.82
1	FID	HRC-I-2	7.00	291	0.091	-0.025	0.007	0.012	0.000000	0.000000	851.07	-1300.92
2	FID	HRC-I-4	6.99	291	-0.015	-0.092	0.005	0.008	0.000000	0.000000	1286.71	1002.72
3	GUIDE	472525528	6.63	583	-0.085	-0.038	0.055	0.084	331.551102	45.248694	-910.69	-2189.03
4	GUIDE	472523760	8.23	583	-0.085	-0.143	0.066	0.110	331.645363	45.403260	-908.83	-1587.49
5	GUIDE	472659832	9.46	582	-0.044	0.089	0.103	0.160	332.780399	46.098139	719.11	1839.73
6	GUIDE	472655152	9.43	583	0.034	0.071	0.085	0.154	332.504239	45.862991	428.37	793.11
7	GUIDE	472646552	9.65	578	0.173	0.049	0.117	0.181	333.120915	45.571877	2268.93	456.33

2.4 Star Slots

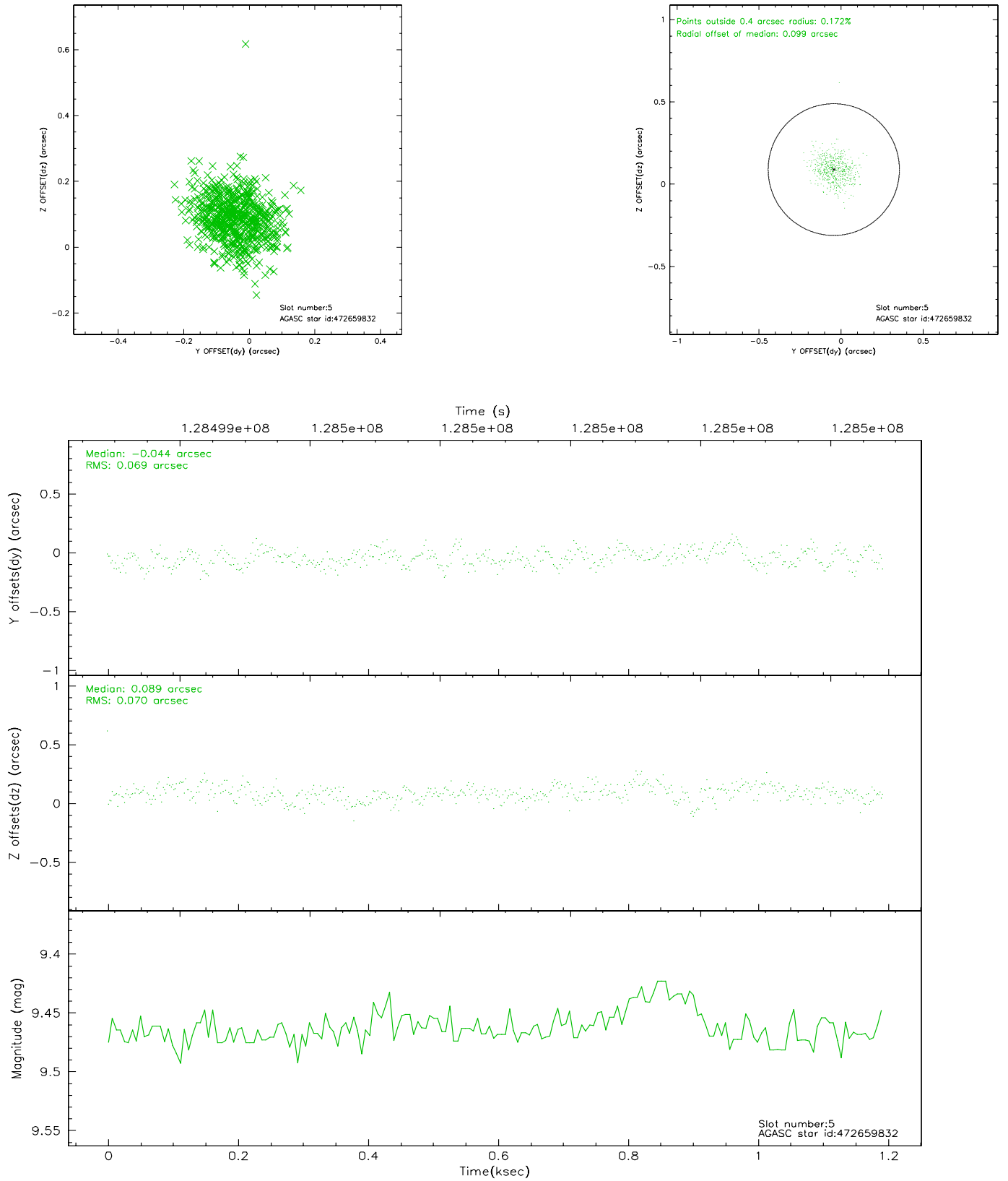
2.4.1 Slot 3



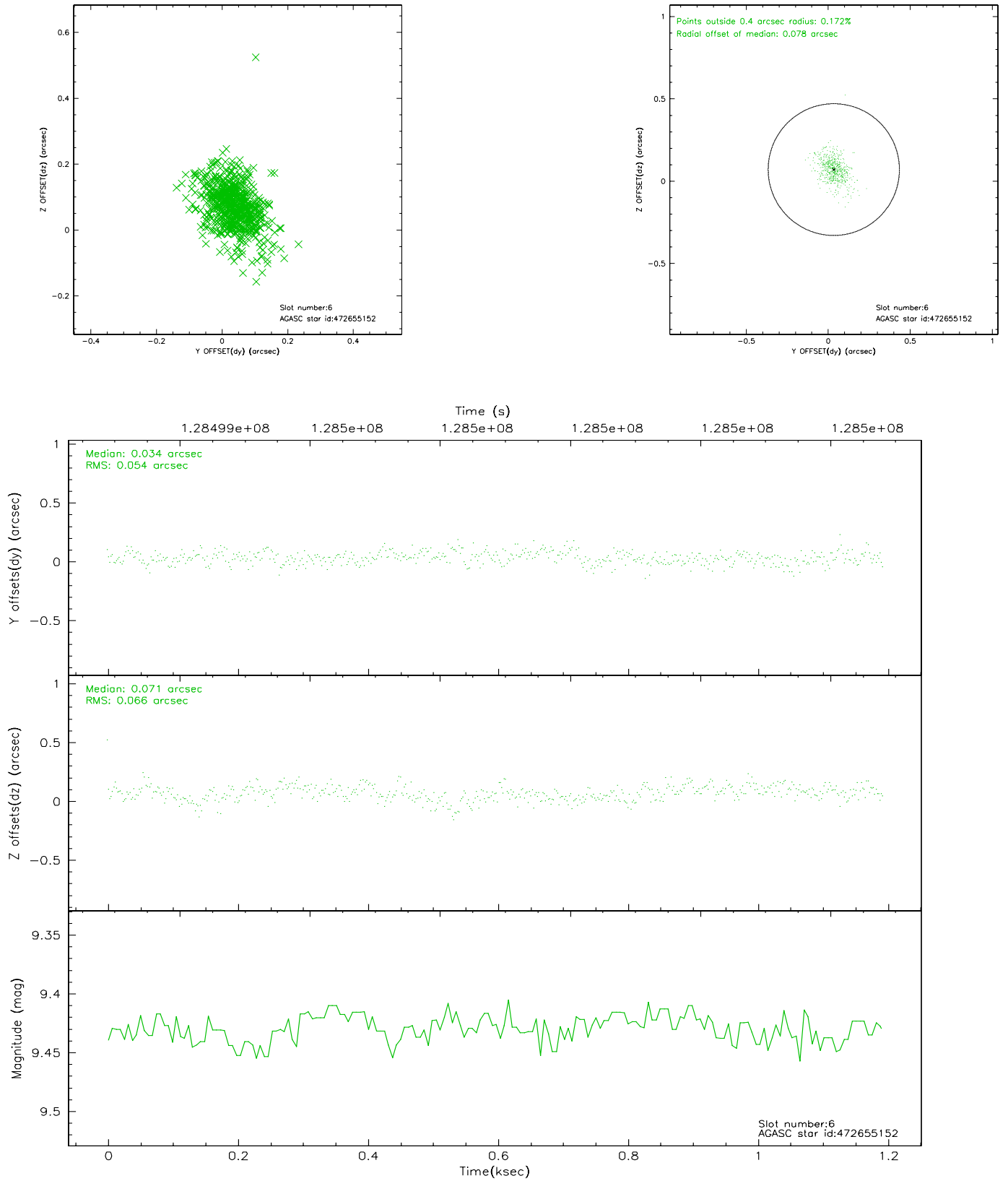
2.4.2 Slot 4



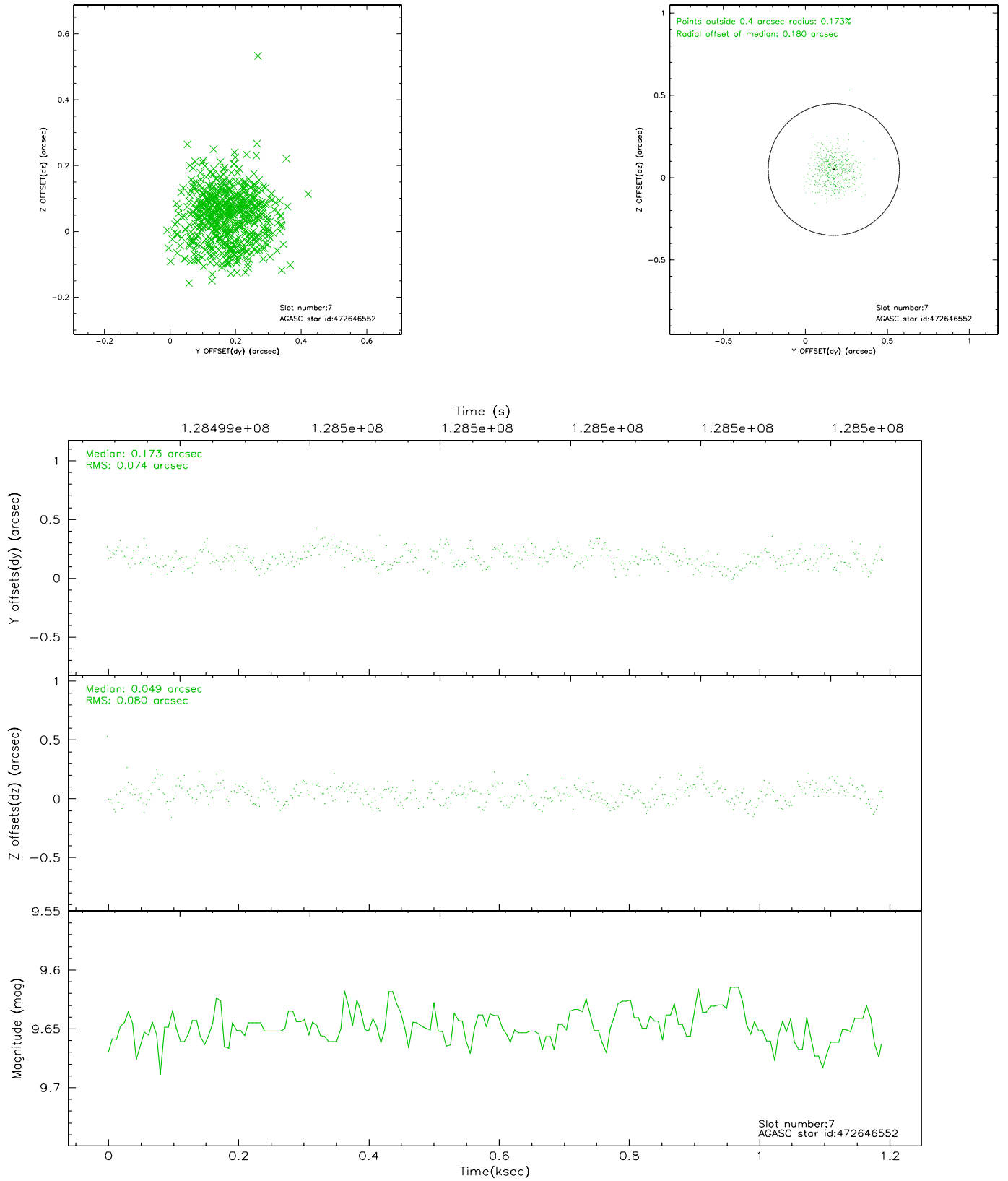
2.4.3 Slot 5



2.4.4 Slot 6

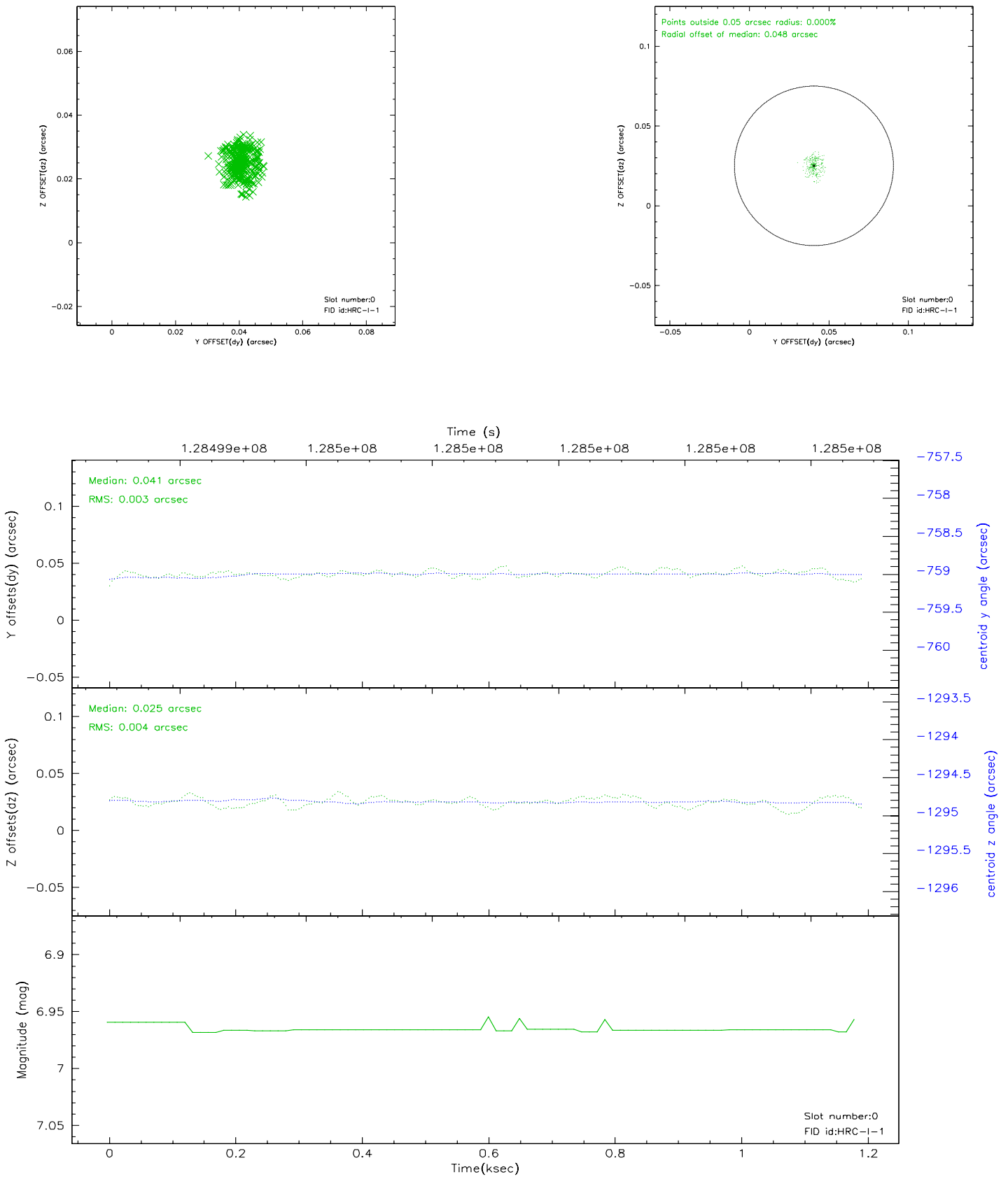


2.4.5 Slot 7

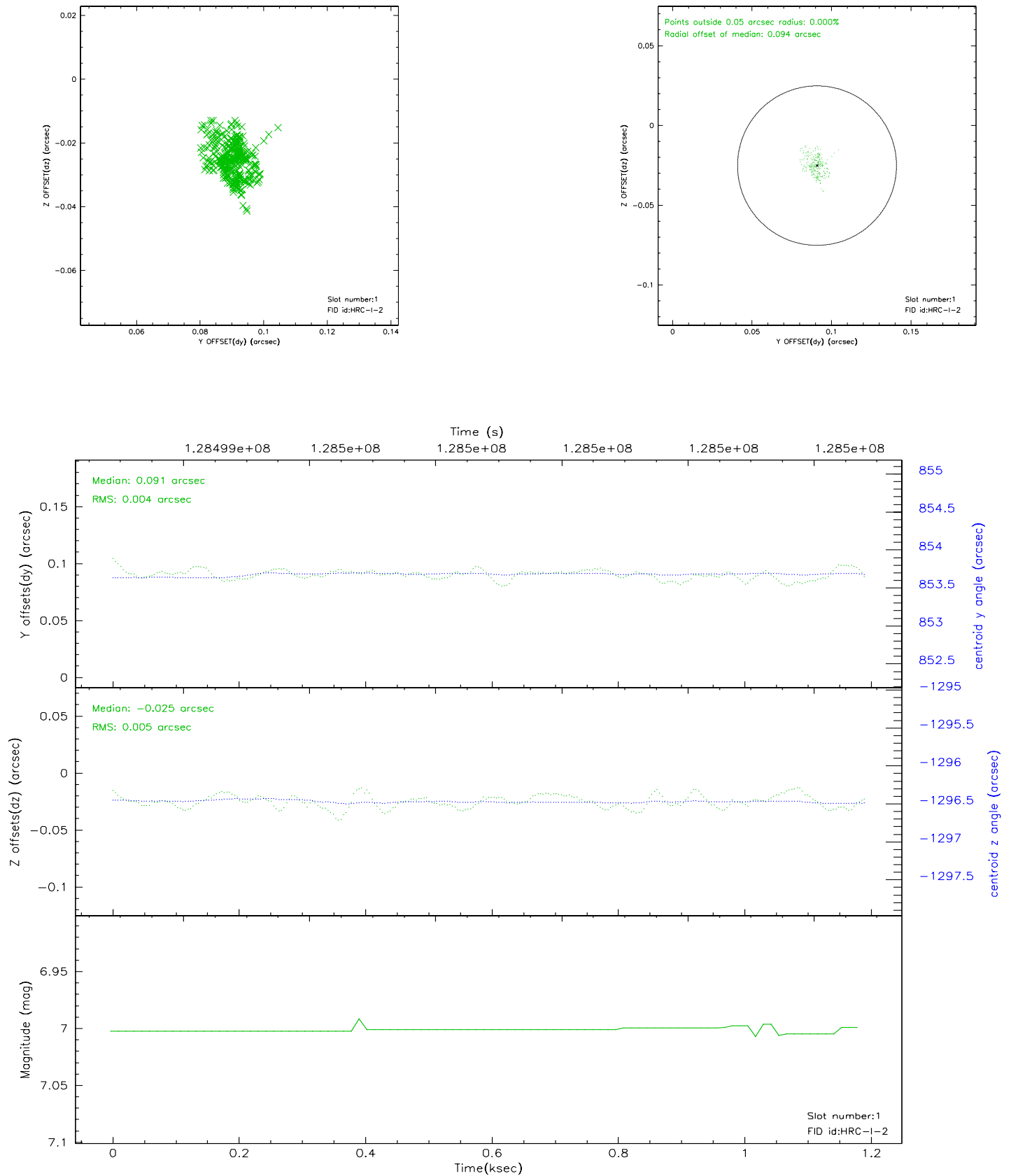


2.5 FID Slots

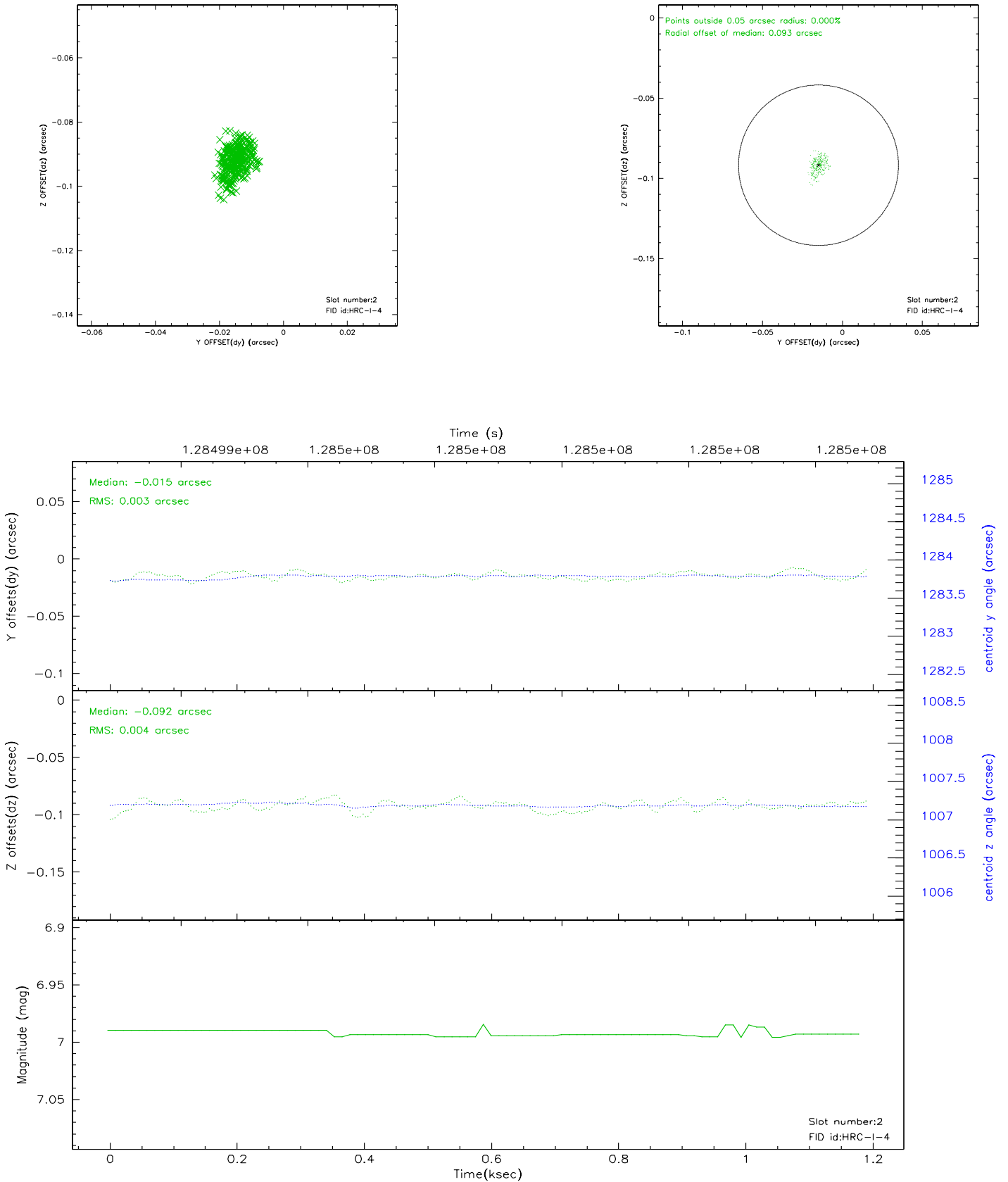
2.5.1 Slot 0



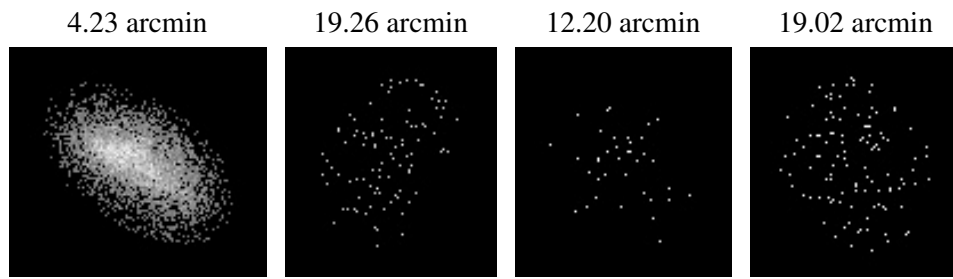
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

A.2 Comments

Monitor 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.