

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 6069 - L2 Version 3
Chandra X-Ray Center

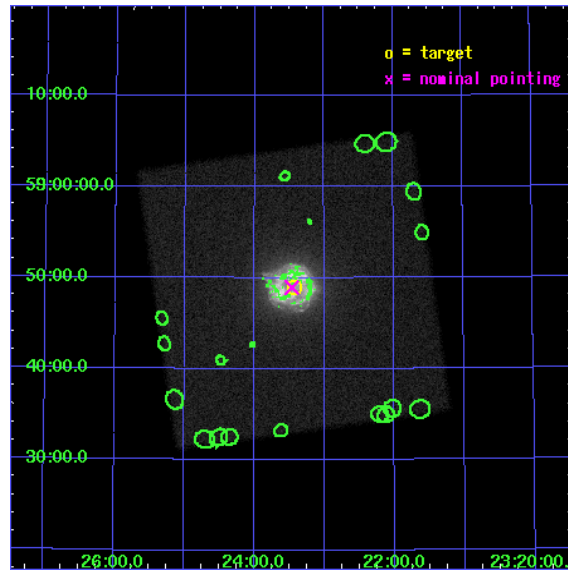
L2 Processing Date : Nov 24 2007

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

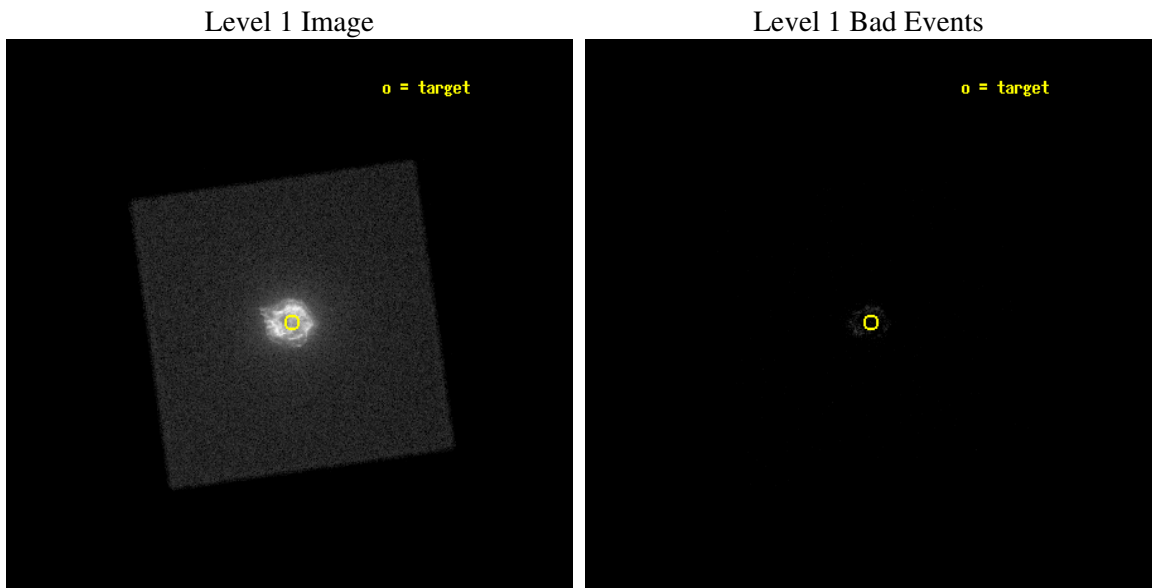
seq_num	590396
obs_id	6069
title	AO6A Observations of the Standard Candles Cas A and G21.5-09
observer	Dr. CXC Calibration
object	Cas A
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.86573496151
dec_nom	58.815924832707
roll_nom	36.955583588521
revision	3
ontime	5150.8814840019
livetime	5081.9509645163
l2events	651038



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	2007-11-24T13:56:45
revision	3

sched_exp_time	5000.000000
ontime	5150.8814840019
l1events	783203

2.1.3 Events

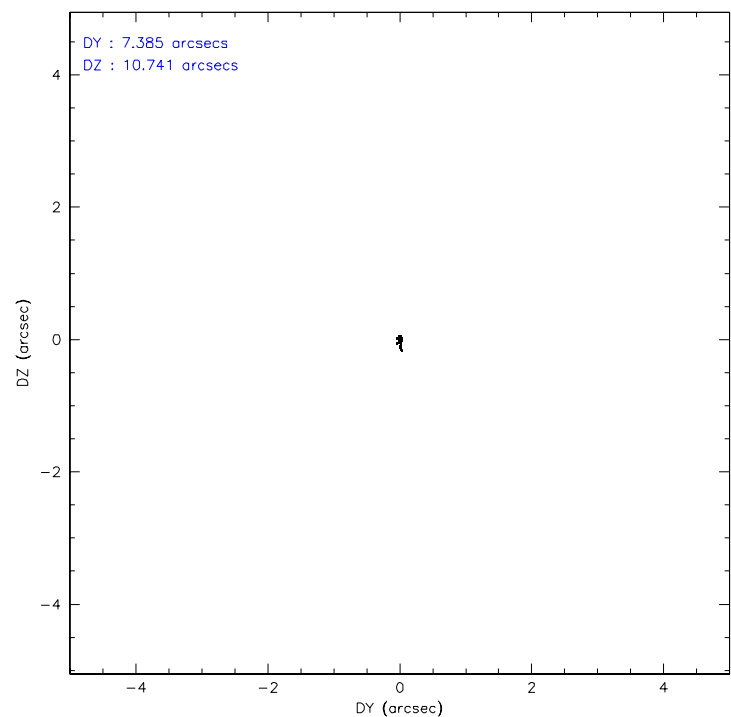
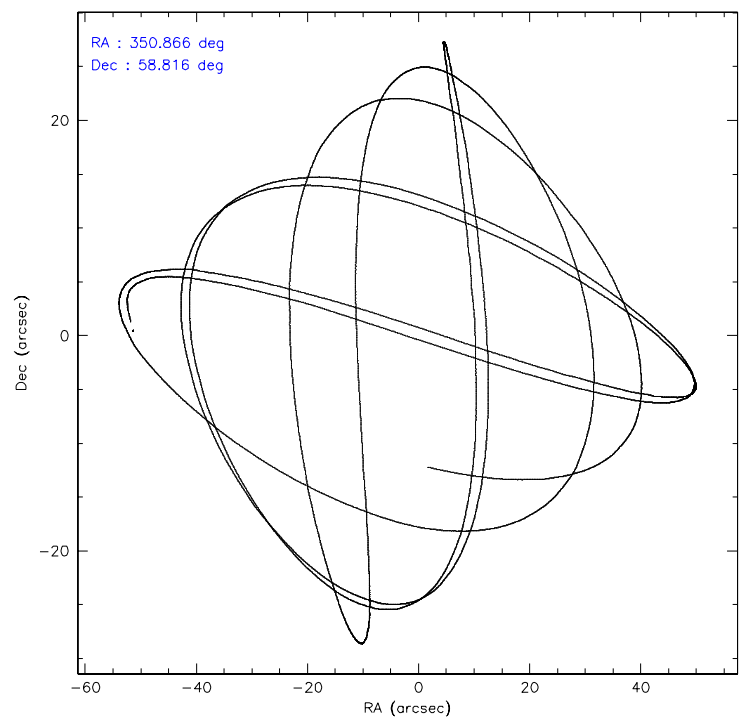
Level 1 Events

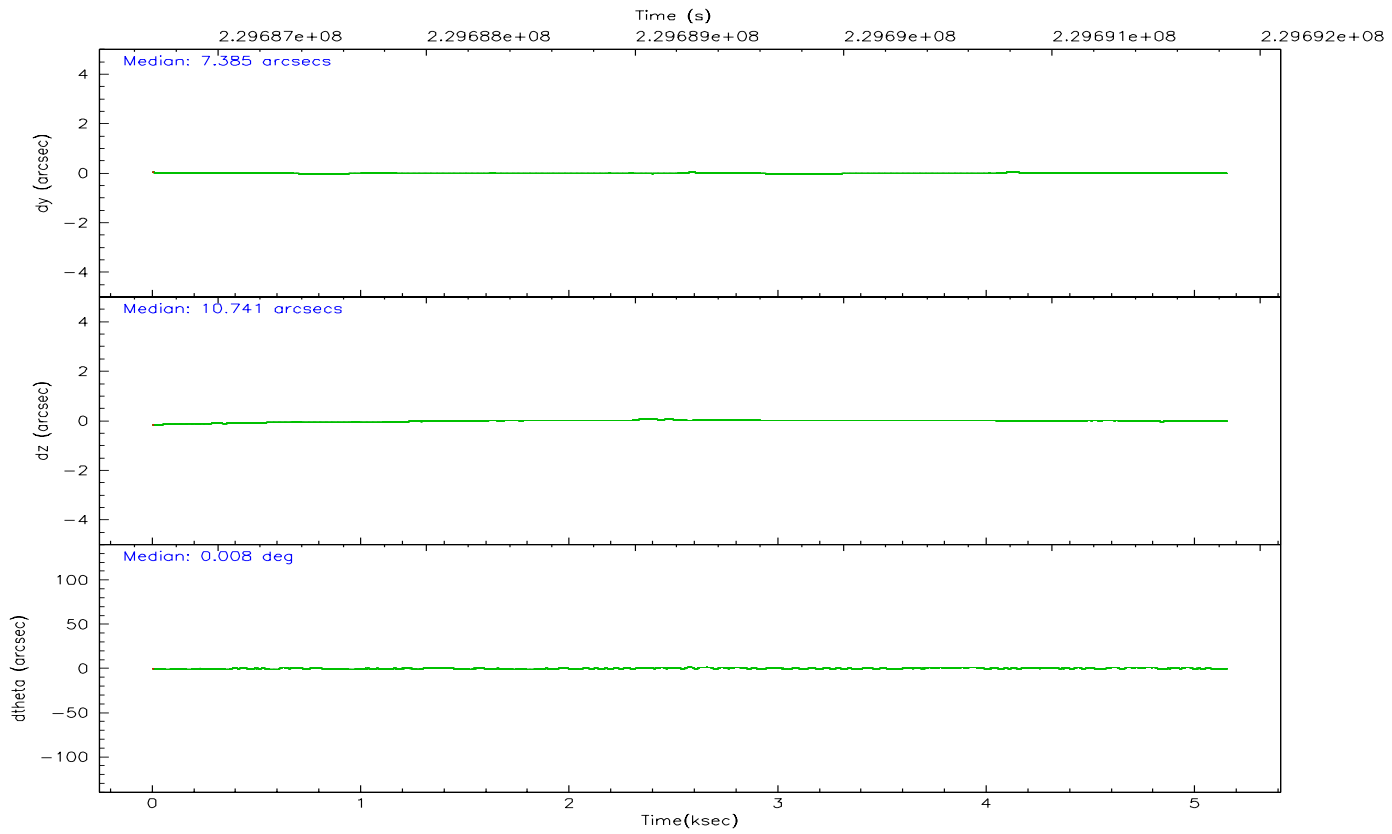
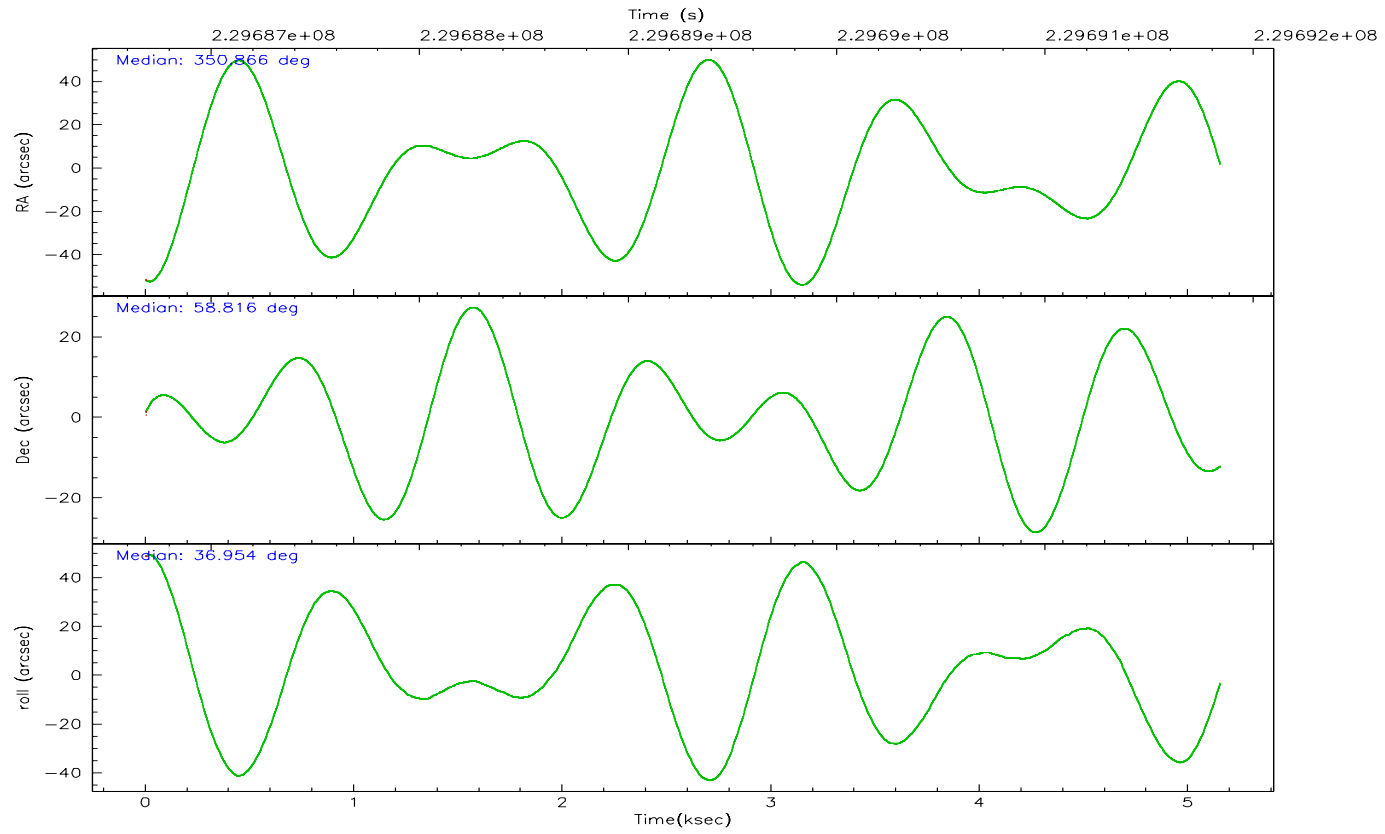
	segment 0
level 1 events	783203
rejected events	11711
rejected %	1%

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	350.845938	350.8657349615077			
Pointing Dec	58.790678	58.81592483270706			
Pointing Roll	37.068008	36.95558358852055			
Window start time	223603264.184000	223603264.184000			
Window stop time	233884864.184000	233884864.184000			
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	229686845.184000	229686446.68356			
Observation start date	2005-04-12T09:53:01	2005-04-12T09:47:26			
Observation end time	229691845.184000	229692703.79634			
Observation end date	2005-04-12T11:16:21	2005-04-12T11:31:43			

2.3 Aspect



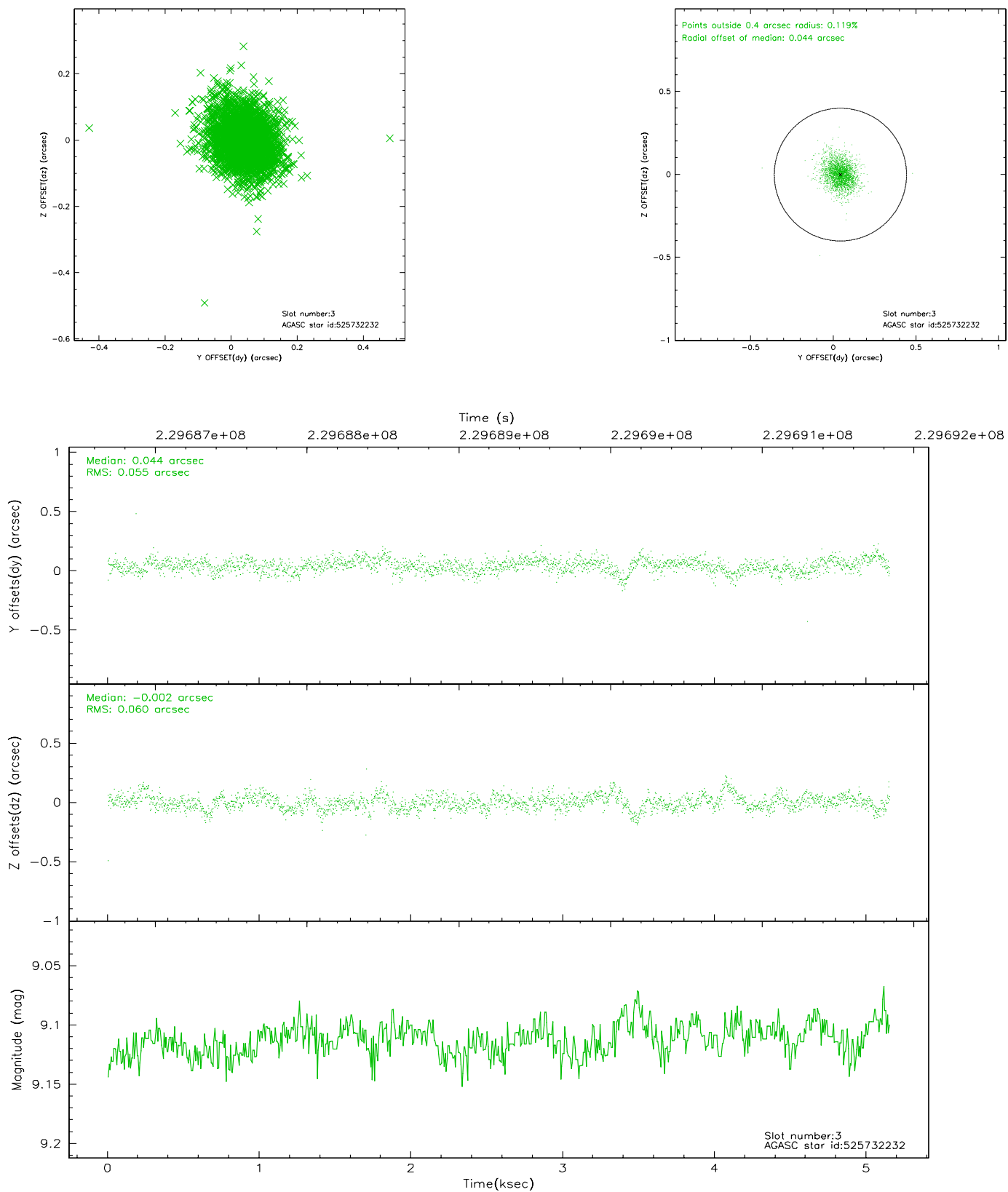


Slot Statistics

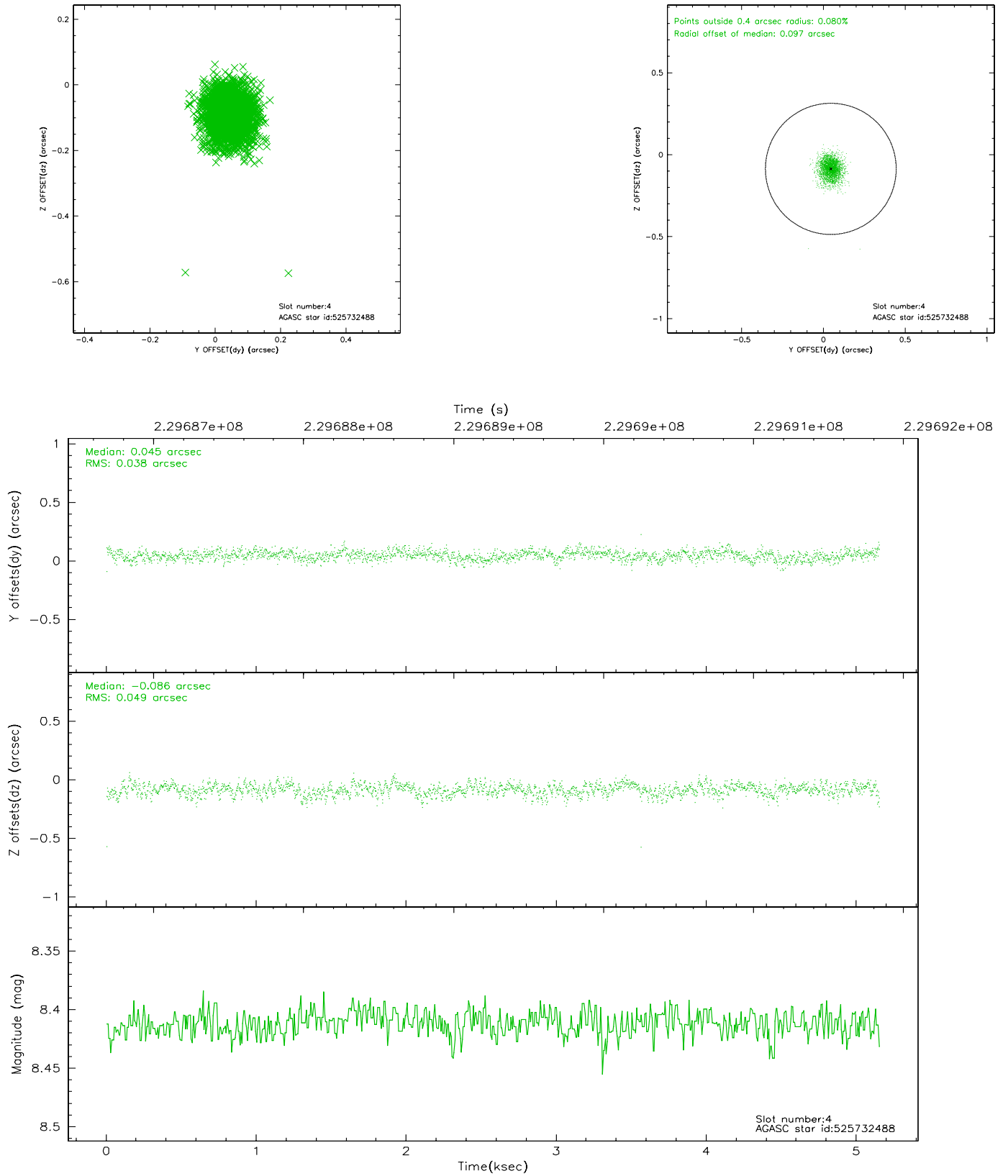
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	1257	-0.016	0.009	0.009	0.017	0.000000	0.000000	-762.97	-1298.69
1	FID	HRC-I-2	7.04	1257	0.106	-0.051	0.007	0.013	0.000000	0.000000	849.18	-1301.32
2	FID	HRC-I-3	7.08	1257	0.029	-0.047	0.006	0.012	0.000000	0.000000	-1190.77	1004.78
3	GUIDE	525732232	9.11	2514	0.044	-0.002	0.083	0.144	351.669550	58.757012	1159.24	-1016.49
4	GUIDE	525732488	8.41	2514	0.045	-0.086	0.064	0.105	350.087090	58.516915	-1727.68	79.92
5	GUIDE	525732528	9.38	2514	-0.012	0.030	0.097	0.155	351.607241	59.298932	2222.73	623.51
6	GUIDE	525735456	6.71	2514	-0.157	-0.155	0.058	0.092	350.628183	59.307249	801.99	1726.17
7	GUIDE	525735976	8.77	2511	0.080	0.218	0.068	0.111	350.142956	58.277622	-2171.22	-664.83

2.4 Star Slots

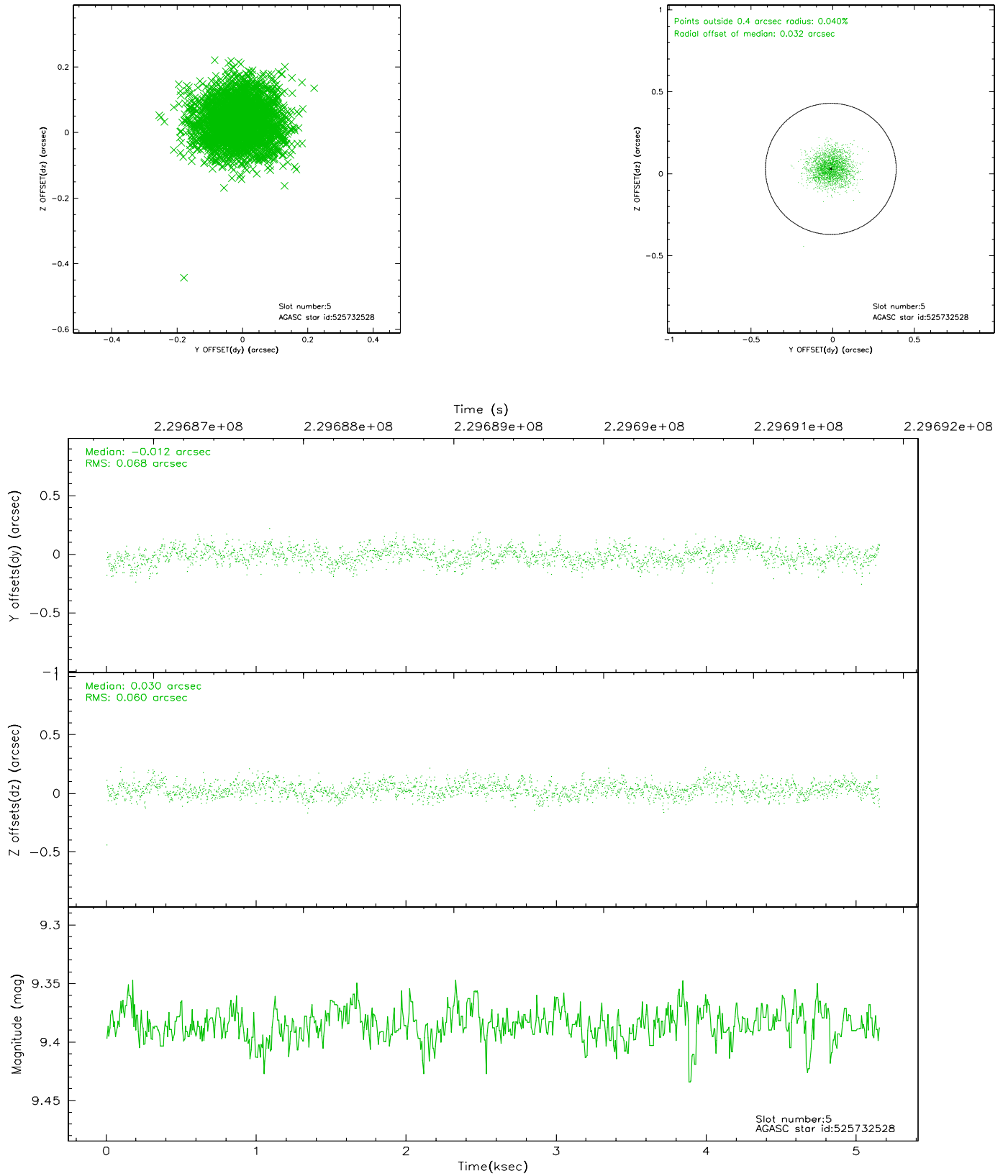
2.4.1 Slot 3



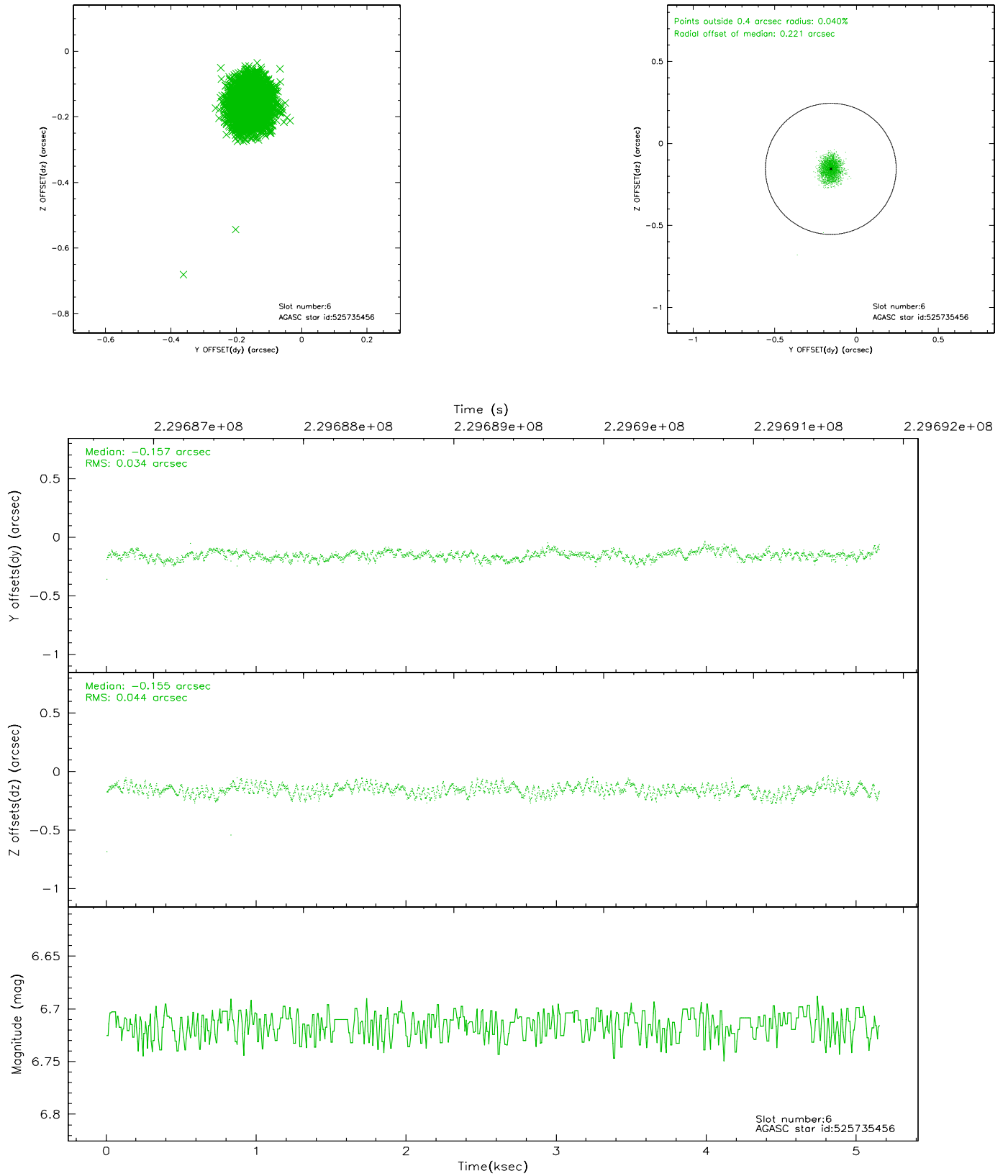
2.4.2 Slot 4



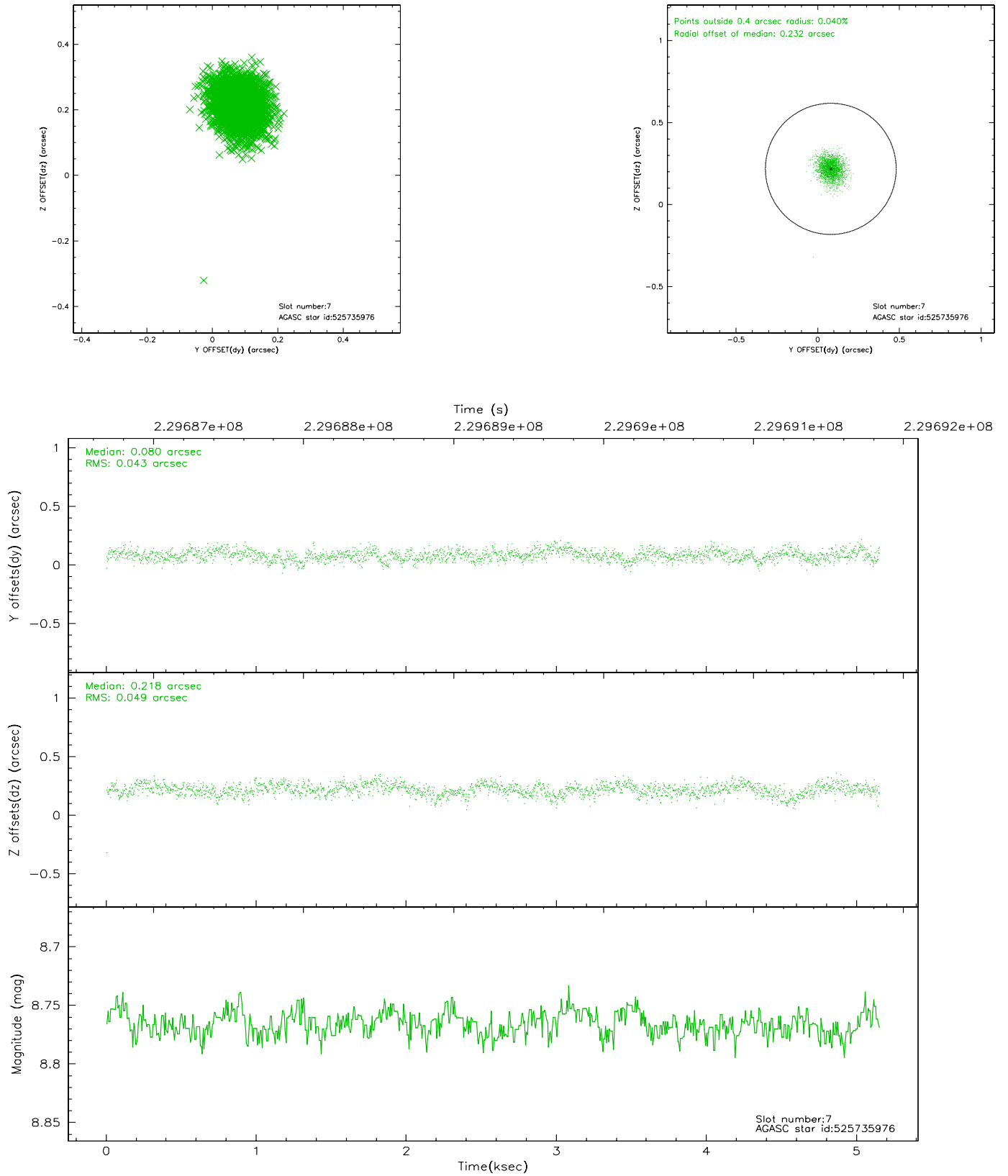
2.4.3 Slot 5



2.4.4 Slot 6

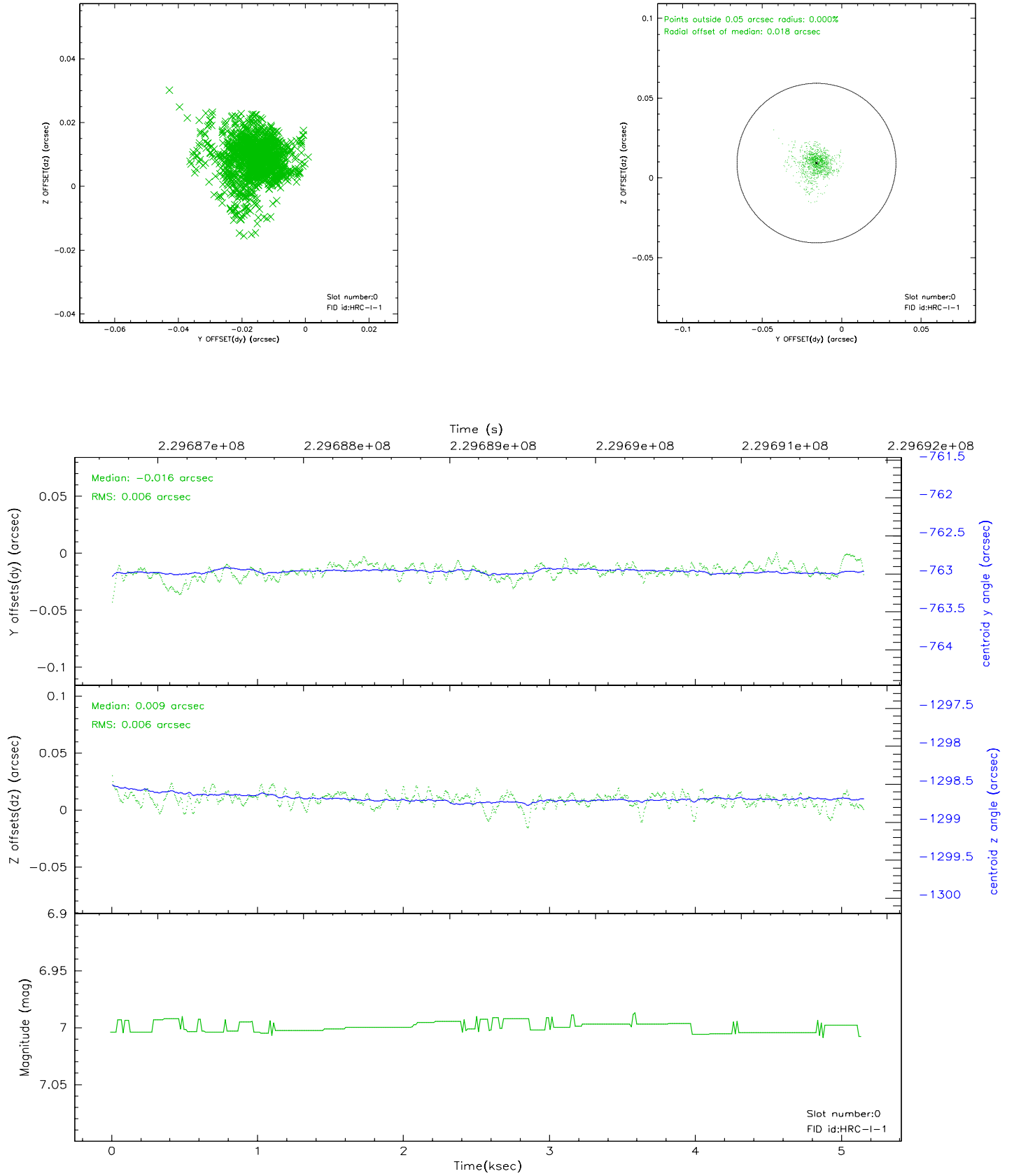


2.4.5 Slot 7

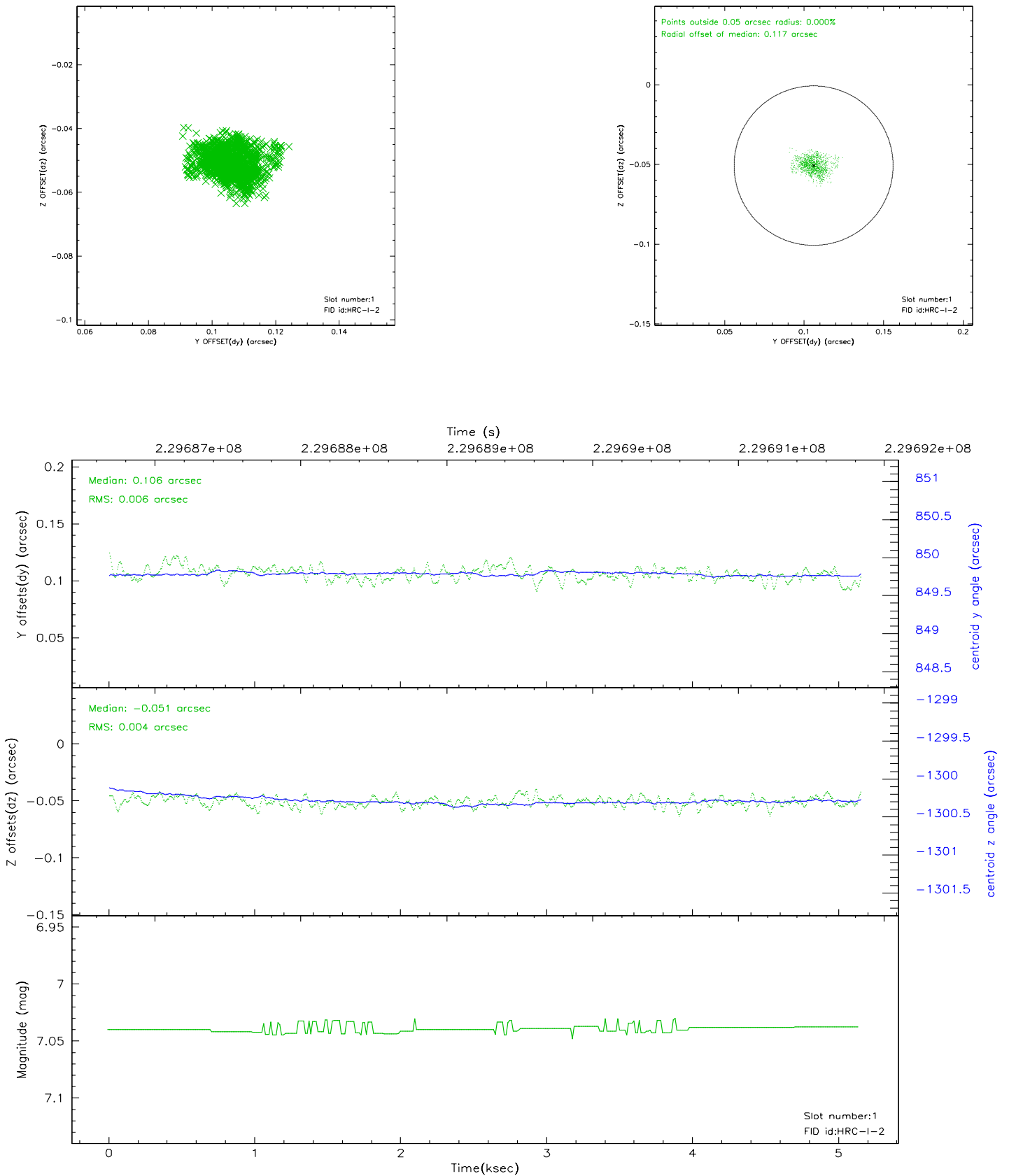


2.5 FID Slots

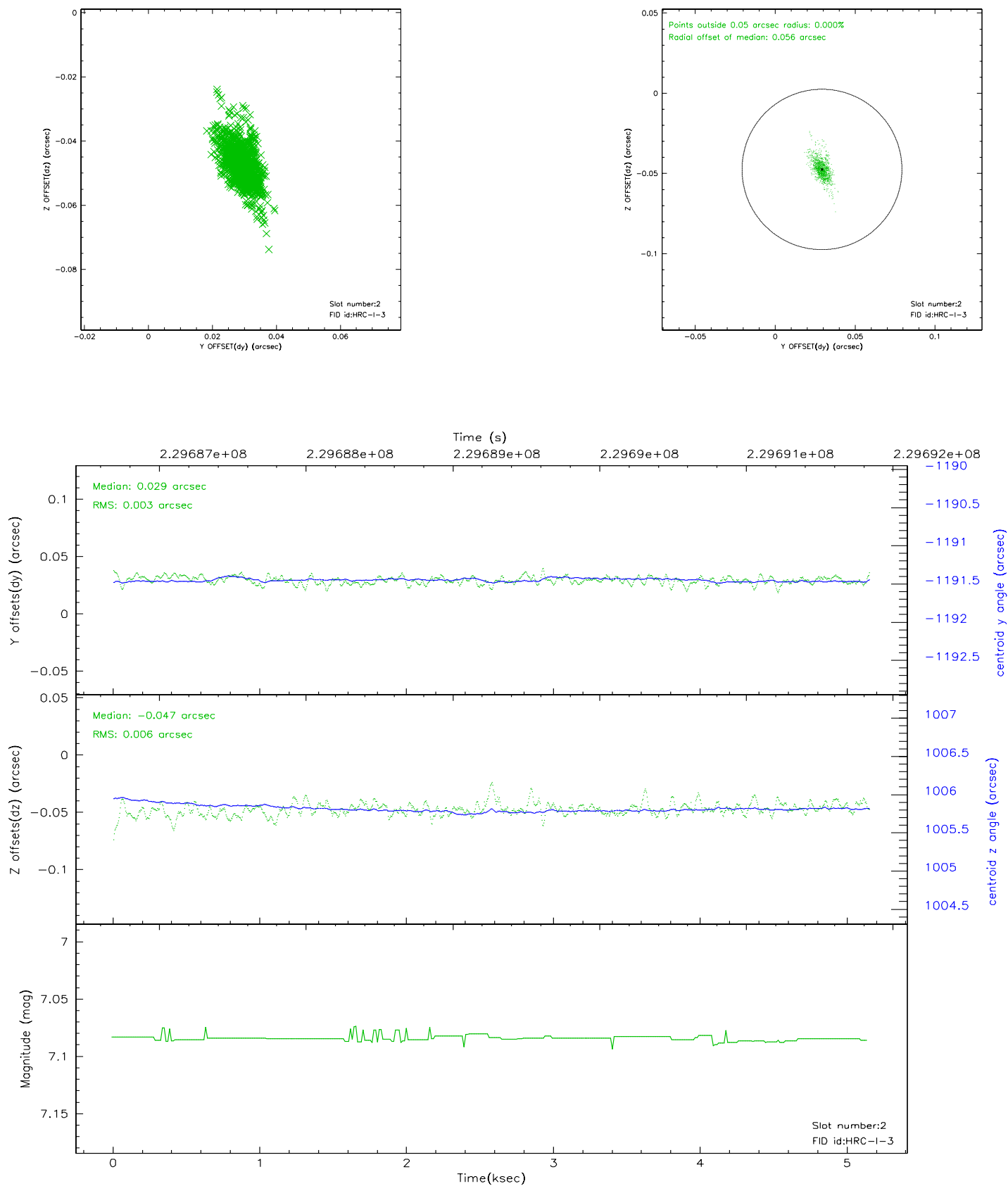
2.5.1 Slot 0



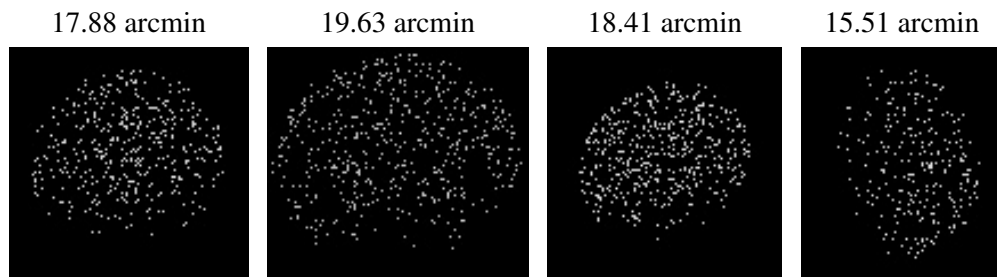
2.5.2 Slot 1



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	5.150881

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.