

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1136 - L2 Version 4

Chandra X-Ray Center

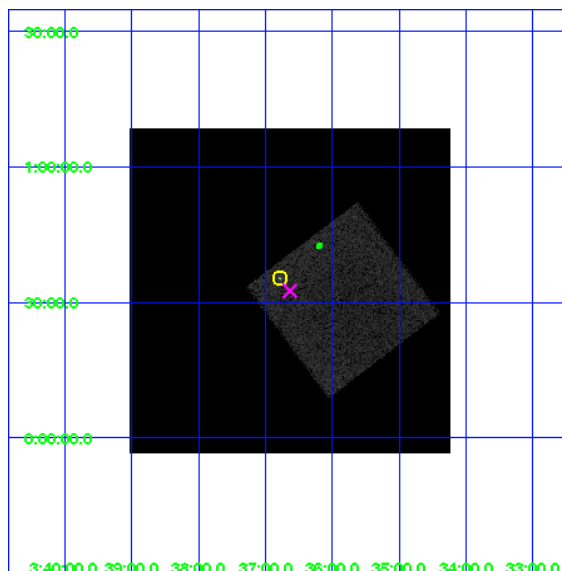
L2 Processing Date : Jan 12 2010

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

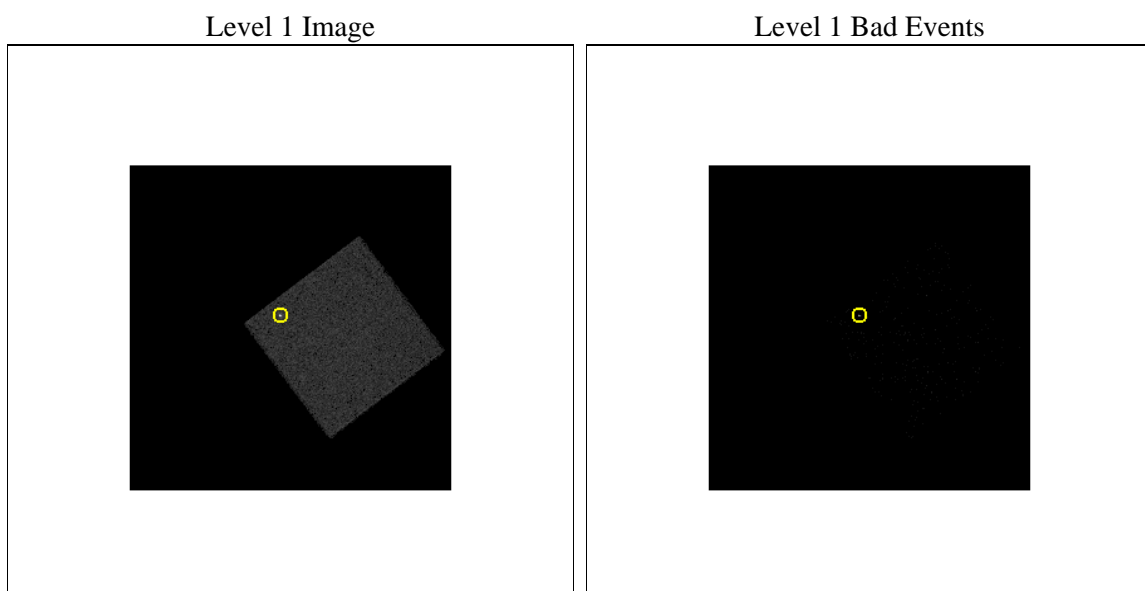
seq_num	280086	Sequence number
obs_id	1136	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.158779083396	Nominal RA
dec_nom	0.54278009169705	Nominal Dec
roll_nom	98.11159318779	Nominal Roll
revision	4	Processing version of data
ontime	795.65627857298	[s]
livetime	787.94149515464	Ontime multiplied by DTCOR
l2events	41875	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	795.65627857298	[s]
caldbver	4.1.5	 	l1events	71823	Number of level 1 events
date	2010-01-12T22:30:51	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

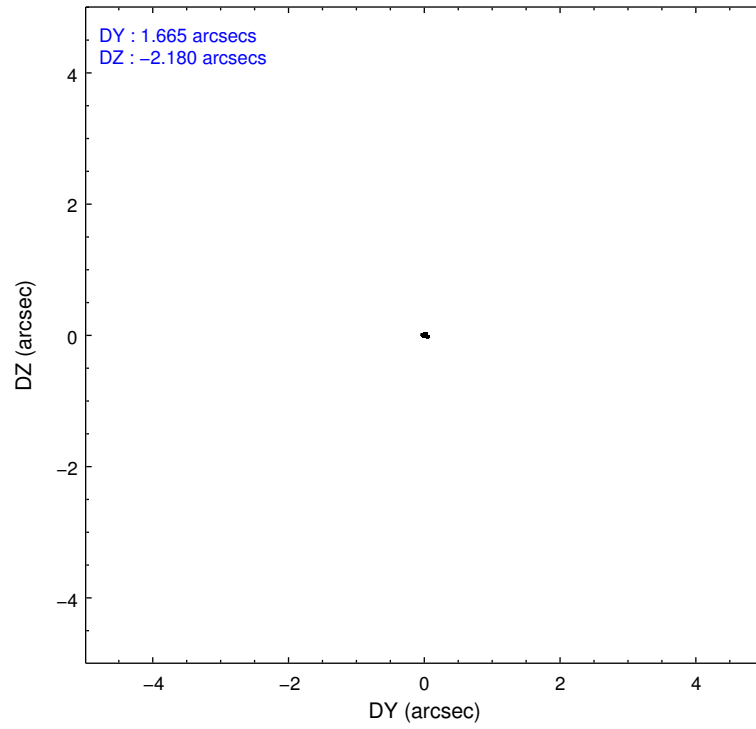
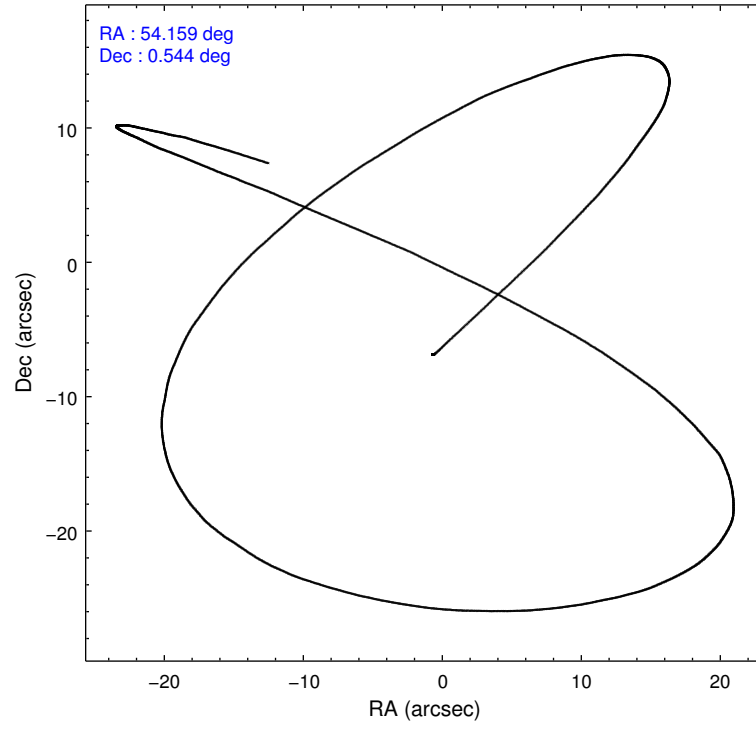
	segment 0
level 1 events	71823
rejected events	3229
rejected %	4%

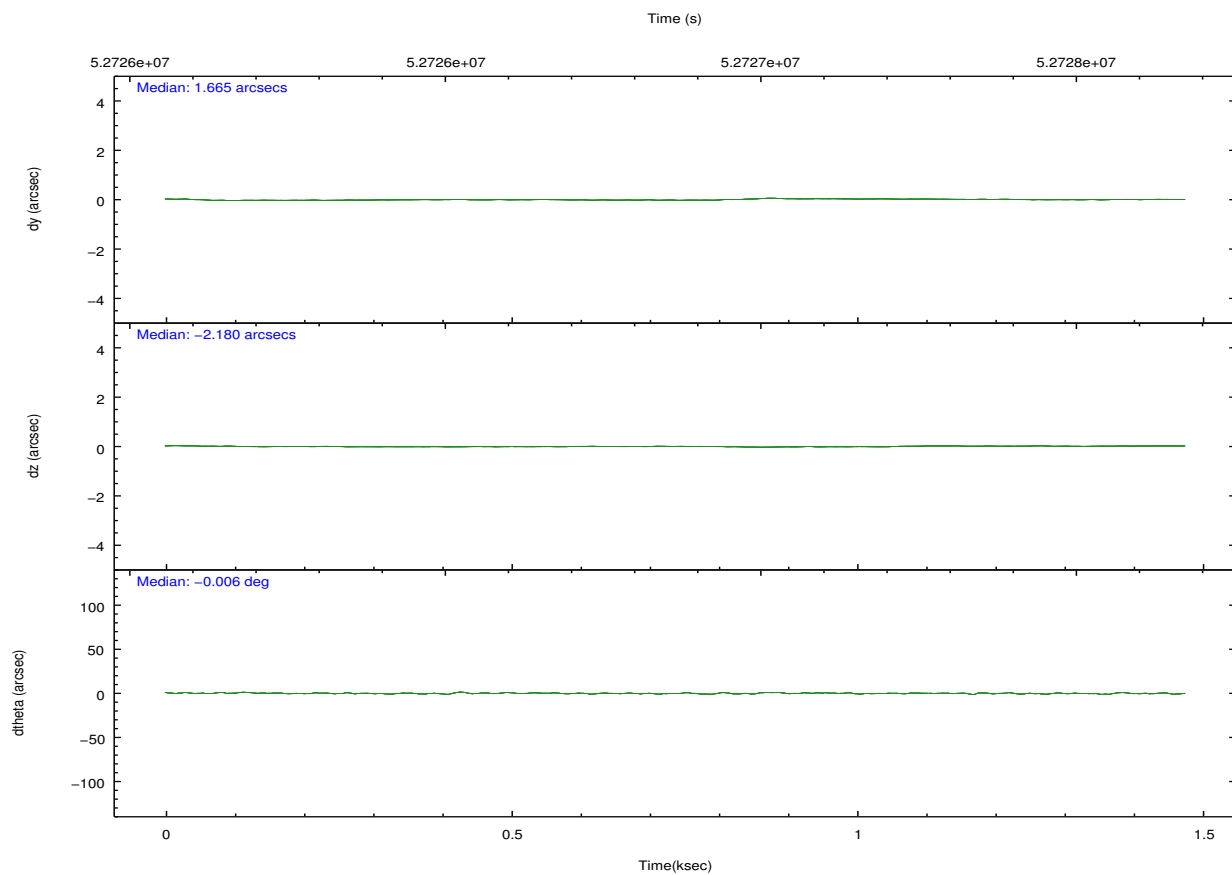
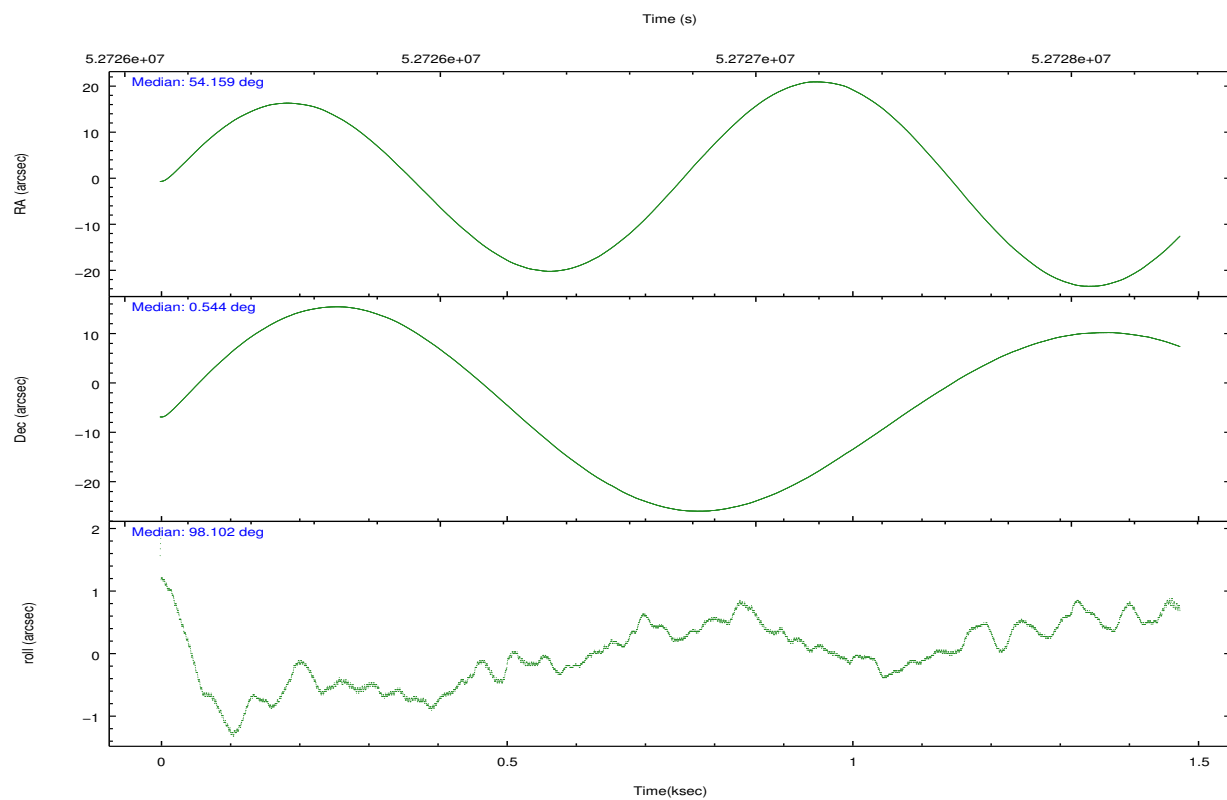
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.175821	54.158779083396
Pointing Dec	0.520222	0.542780091697051
Pointing Roll	98.206910	98.11159318778958
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	91.869942	91.86553817309772
SIM translation stage offset (mm)	35.115552	35.11995071850384
Observation start time	52726602.184000	52725936.069322
Observation start date	1999-09-03T06:15:38	1999-09-03T06:05:36
Observation end time	52727602.184000	52727735.969387
Observation end date	1999-09-03T06:32:18	1999-09-03T06:35:35

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



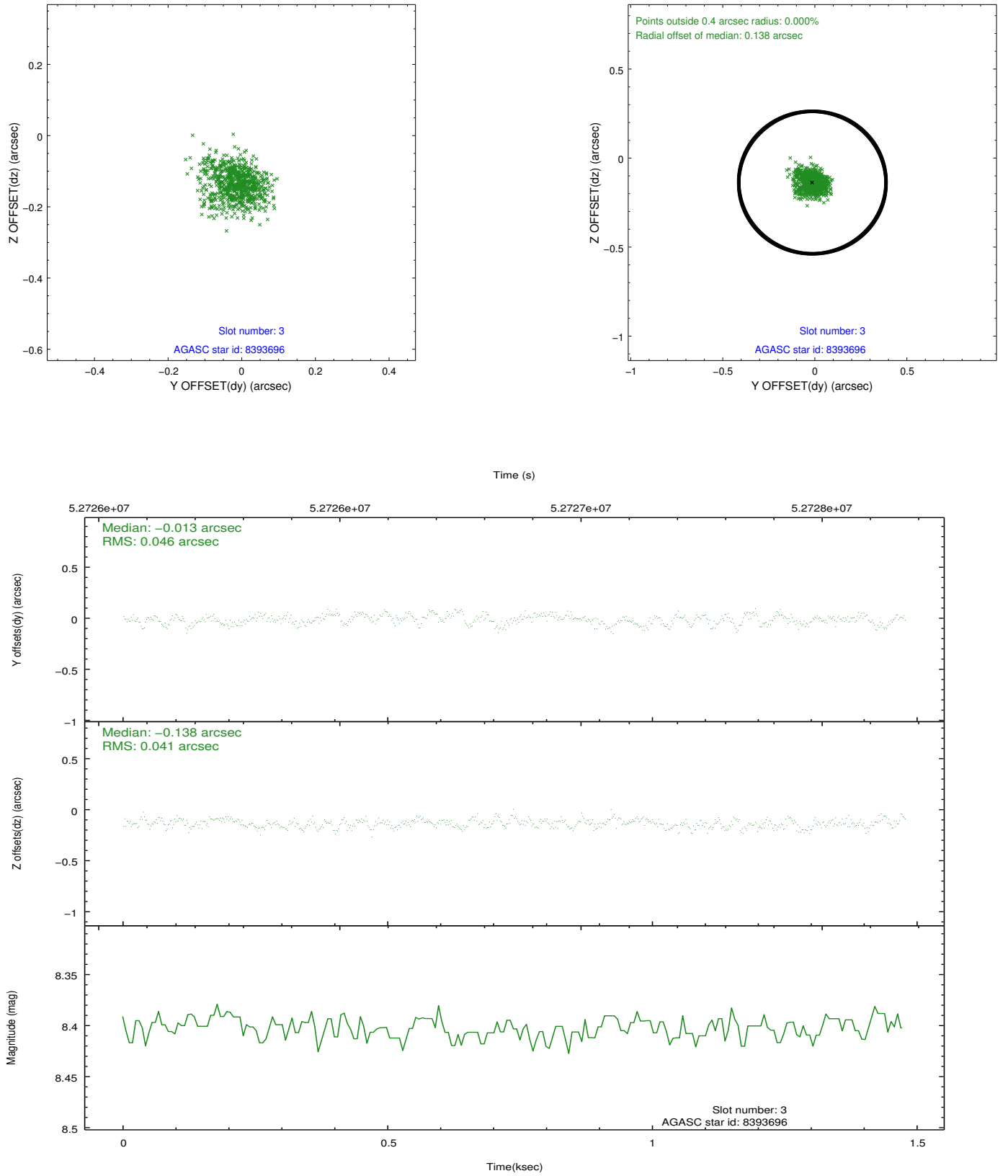


Slot Statistics

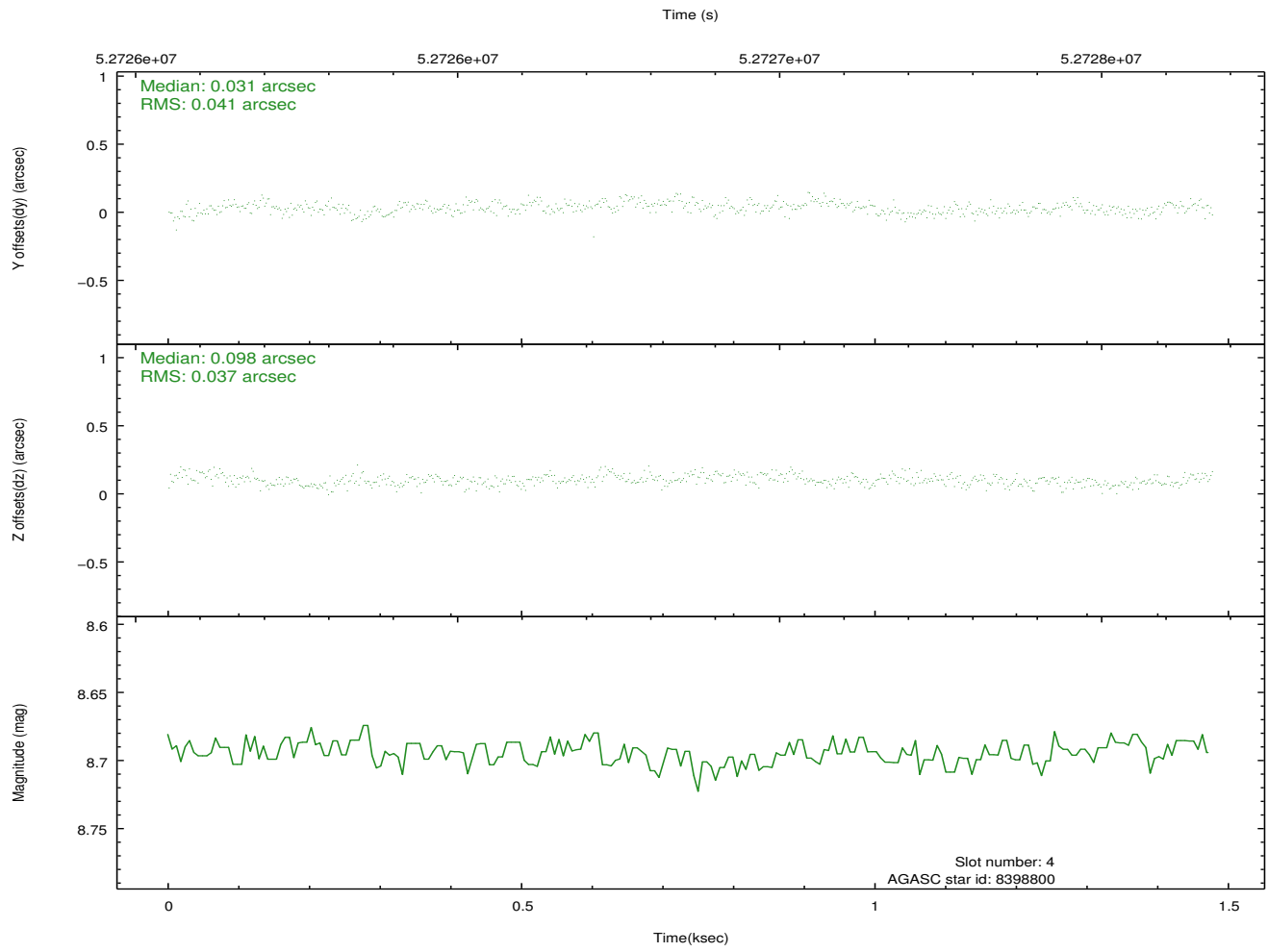
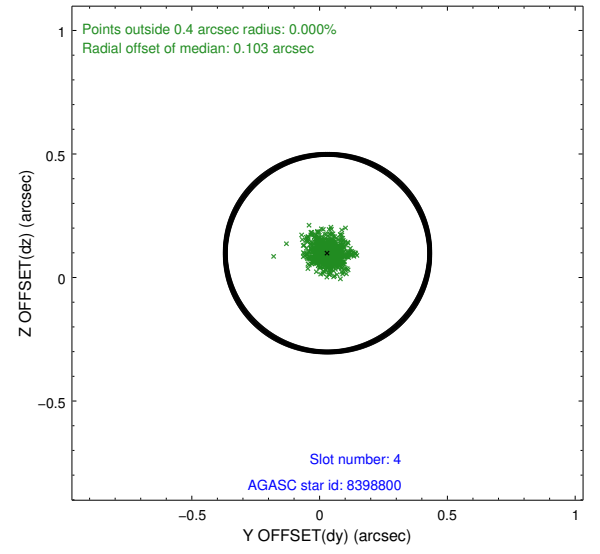
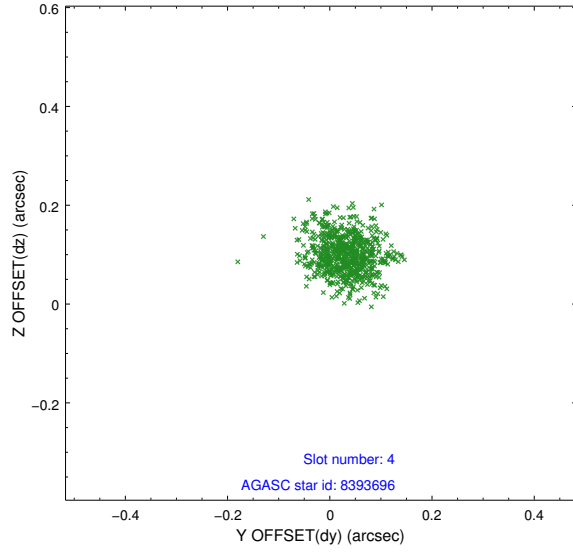
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	721	-0.267	-0.134	0.007	0.011	0.000000	0.000000	-755.82	-567.54
1	FID	HRC-I-3	7.01	721	0.251	-0.227	0.007	0.011	0.000000	0.000000	-1187.44	1739.80
2	FID	HRC-I-4	6.88	721	0.130	0.269	0.005	0.008	0.000000	0.000000	1283.06	1741.71
3	GUIDE	8393696	8.40	721	-0.013	-0.138	0.066	0.106	53.645666	0.680479	839.29	1806.21
4	GUIDE	8398800	8.69	721	0.031	0.098	0.058	0.097	54.242352	0.922024	1394.82	-441.00
5	GUIDE	8390744	9.02	717	-0.115	-0.095	0.089	0.135	53.677290	0.926294	1700.82	1566.66
6	GUIDE	8395104	8.67	721	0.040	0.228	0.072	0.109	54.744893	0.796520	691.04	-2167.29
7	GUIDE	8392416	9.68	718	0.059	-0.099	0.104	0.170	53.428256	0.991948	2061.95	2417.81

2.4 Star Slots

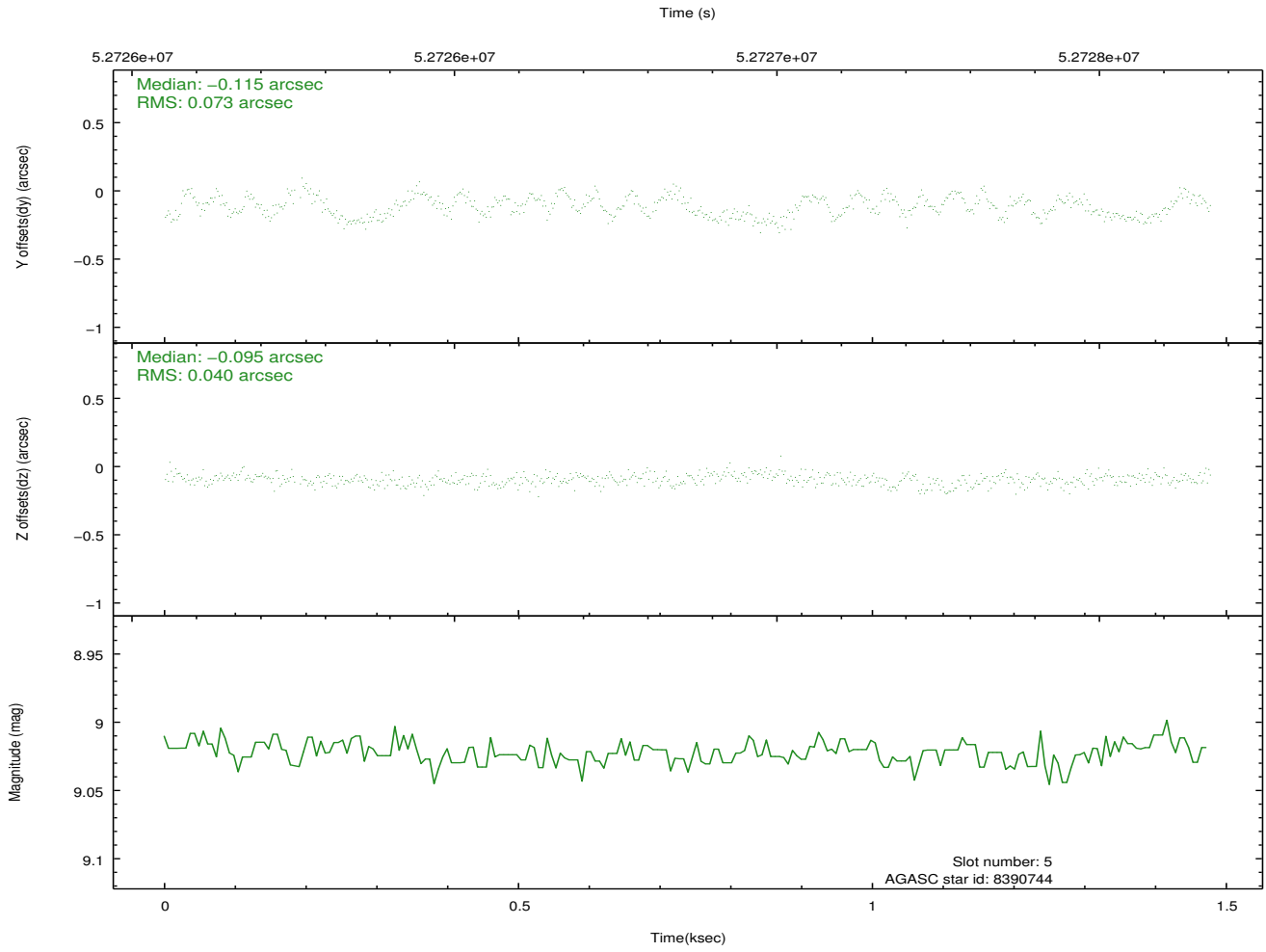
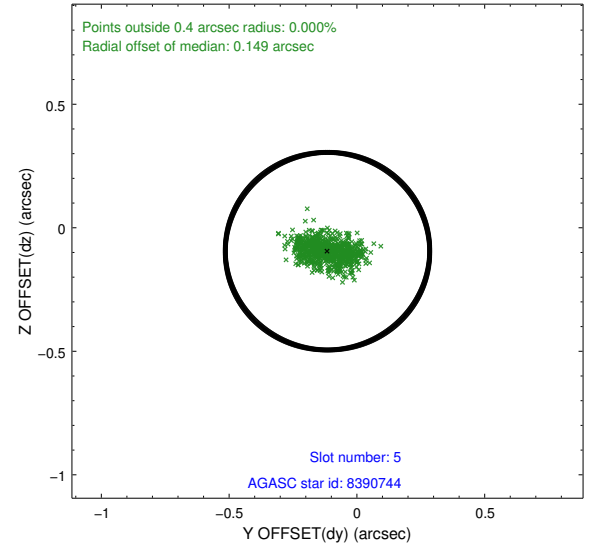
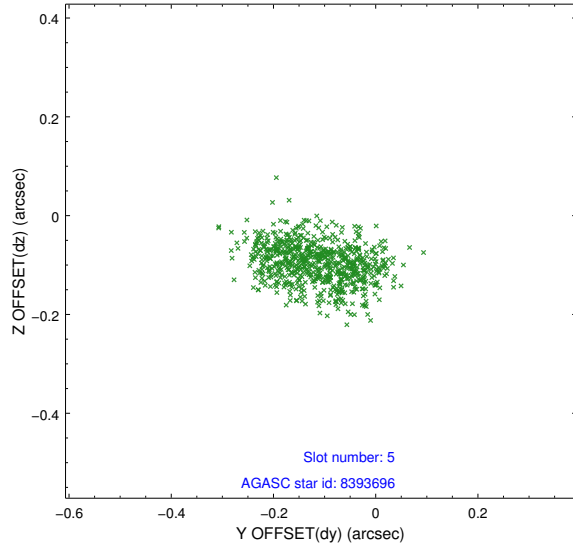
2.4.1 Slot 3



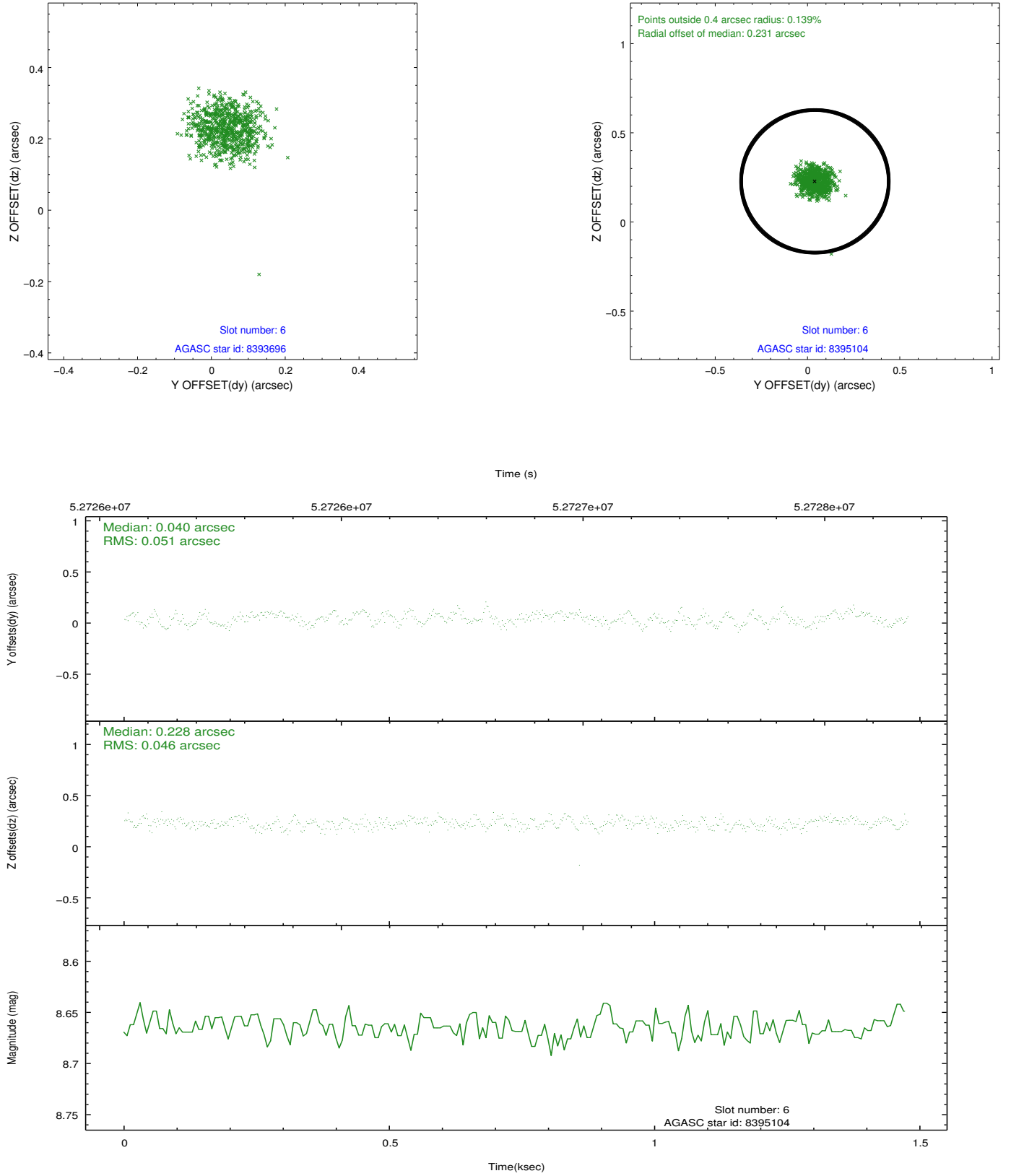
2.4.2 Slot 4



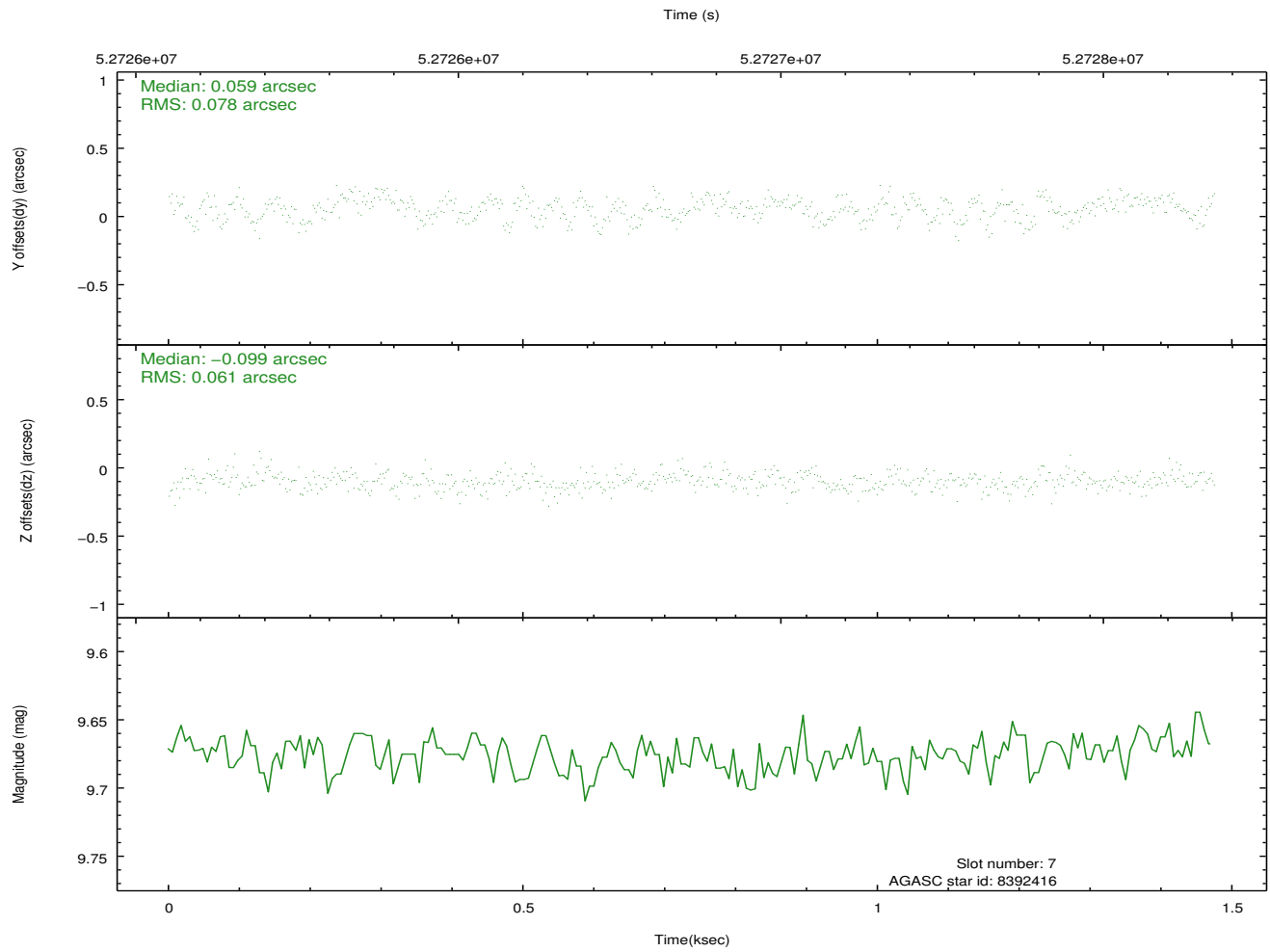
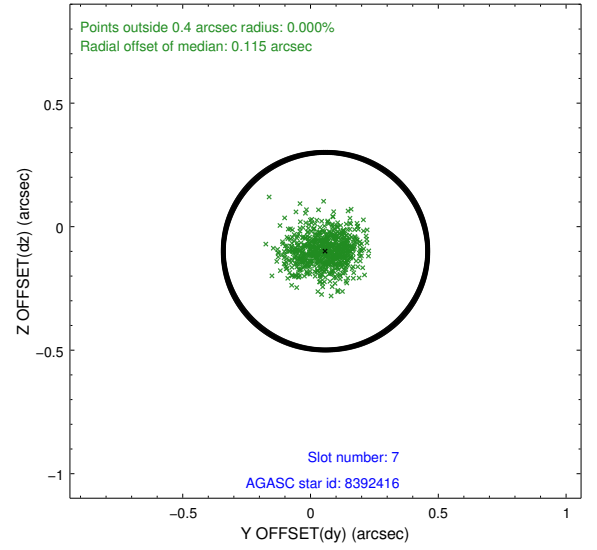
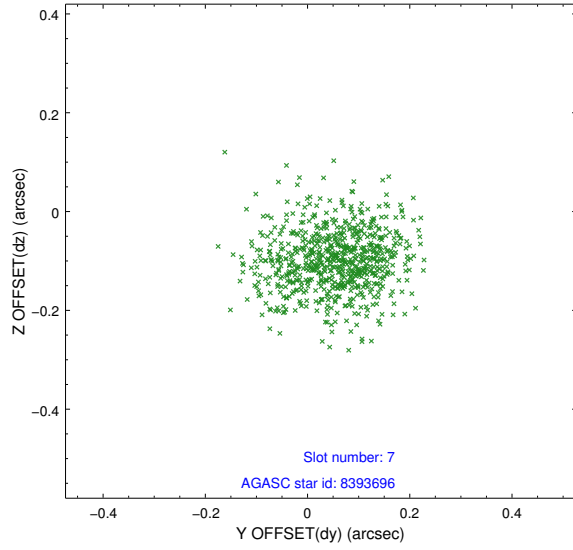
2.4.3 Slot 5



2.4.4 Slot 6

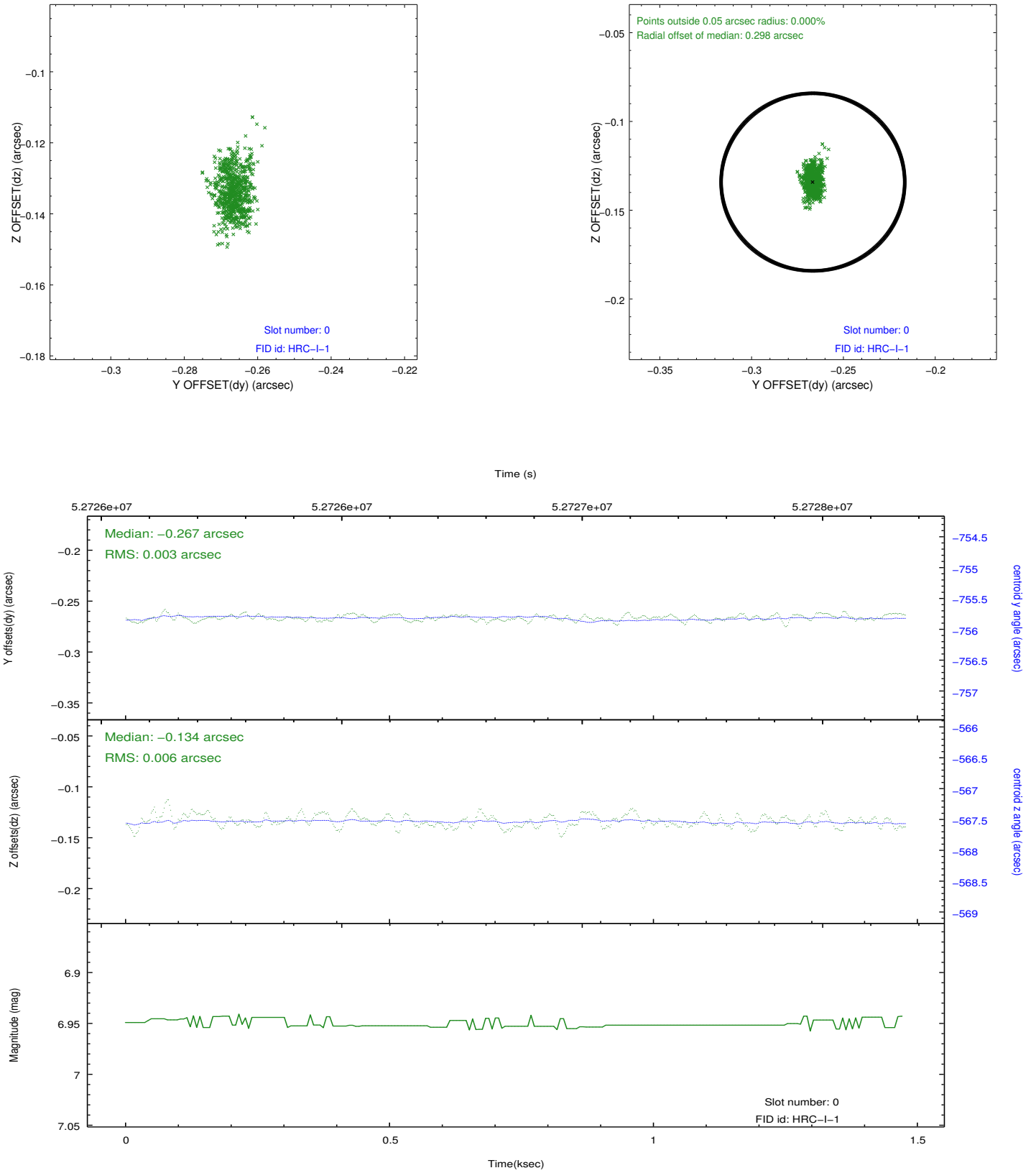


2.4.5 Slot 7

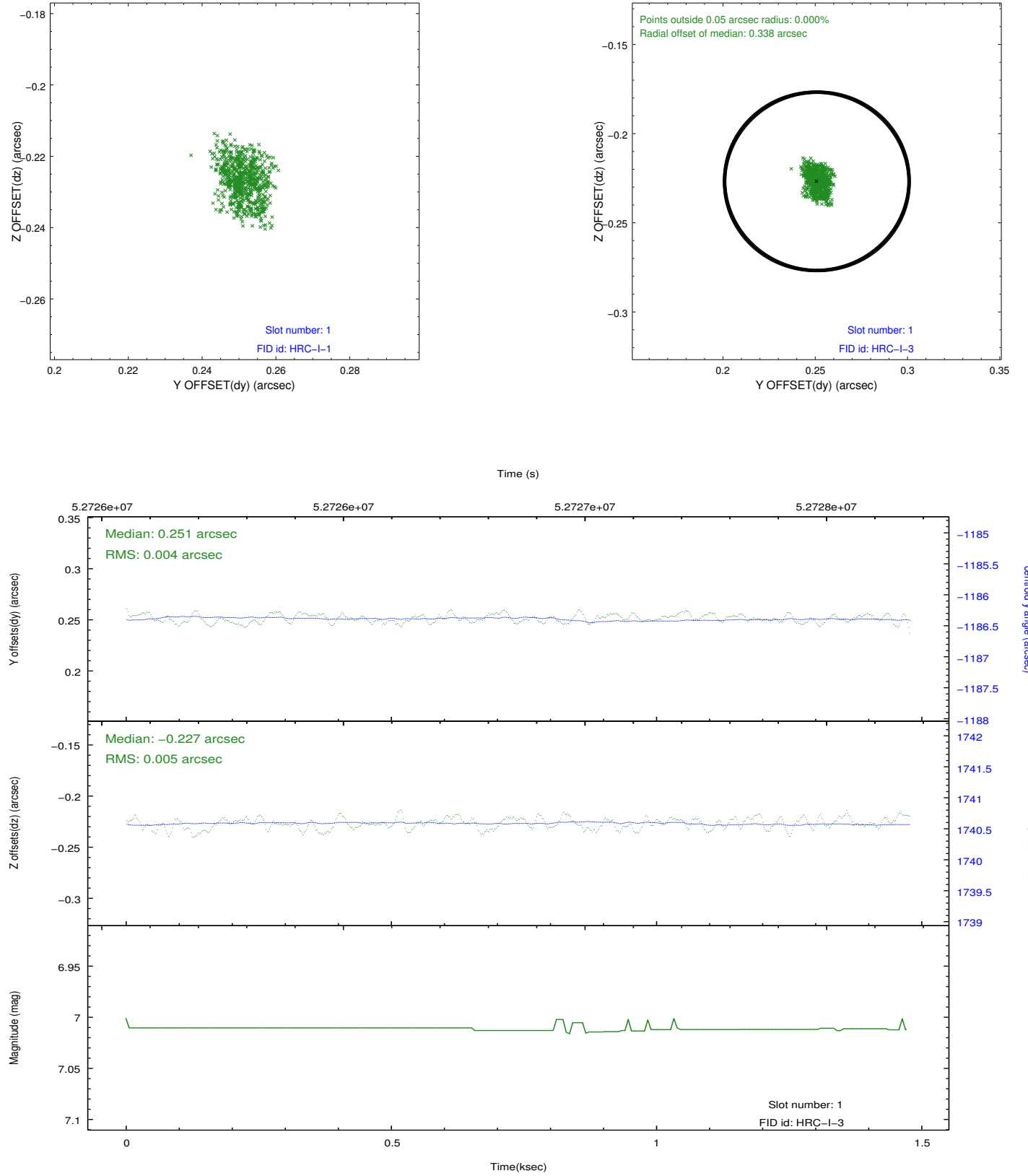


2.5 FID Slots

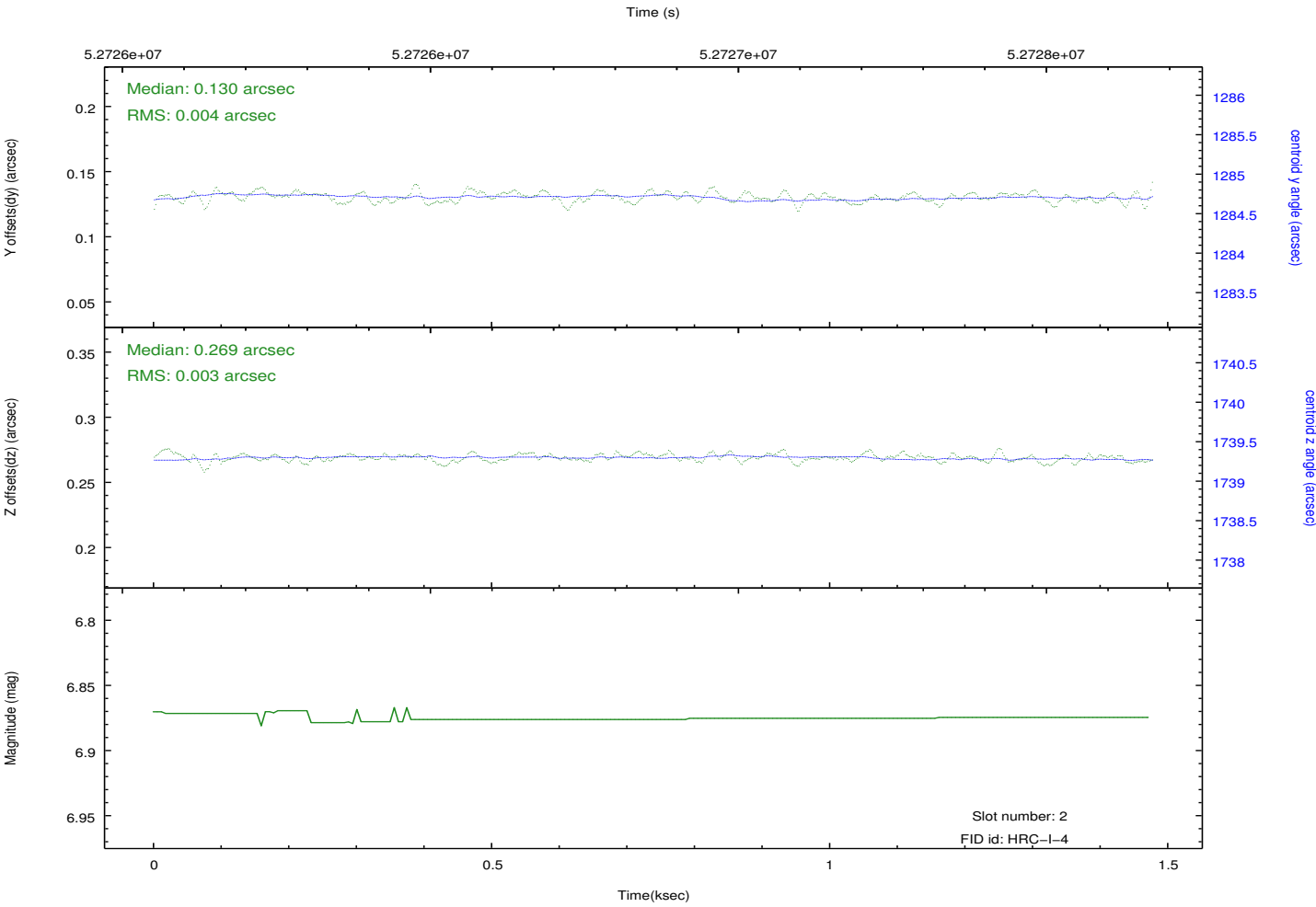
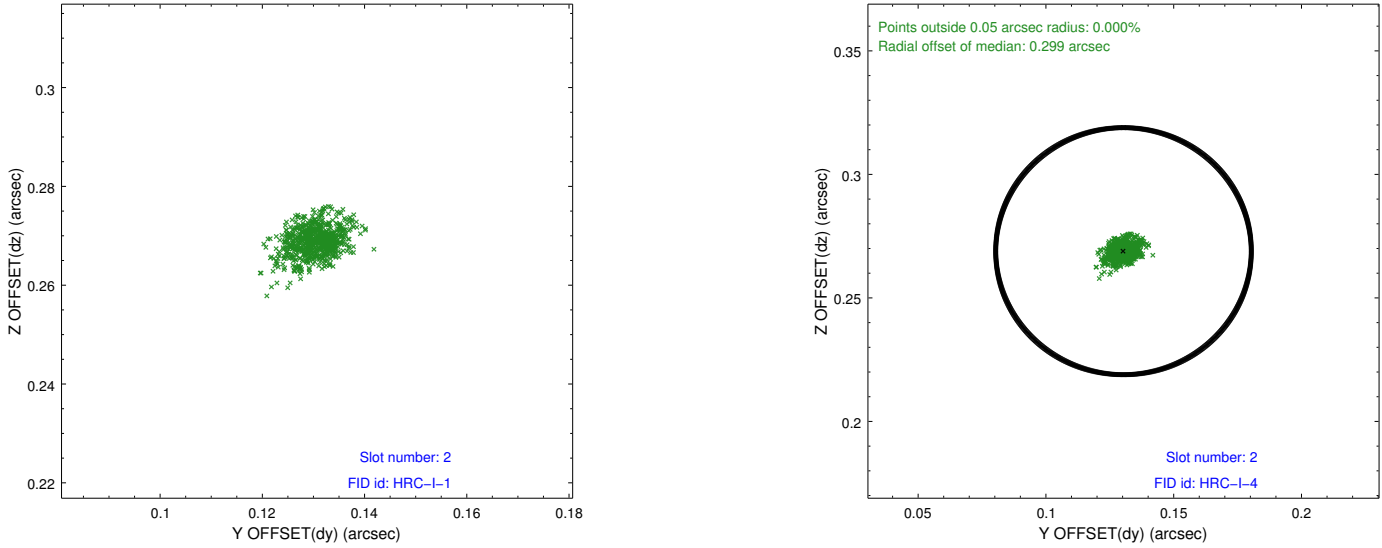
2.5.1 Slot 0



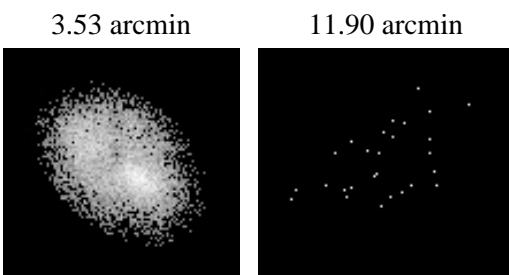
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.795

A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.