

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1978 - L2 Version 4  
Chandra X-Ray Center

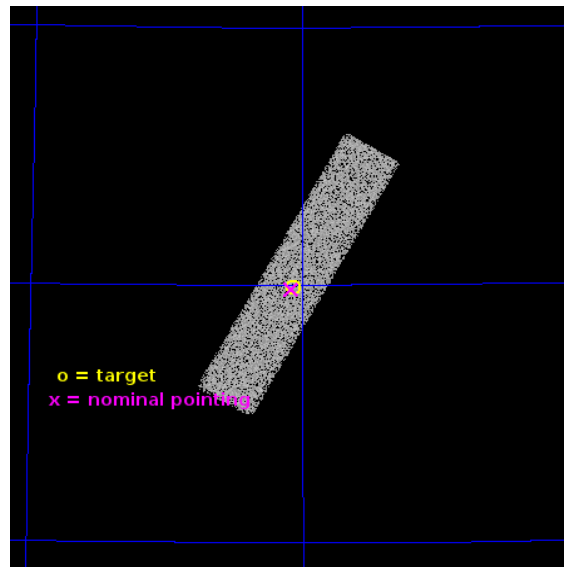
L2 Processing Date : Jun 28 2013

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
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
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

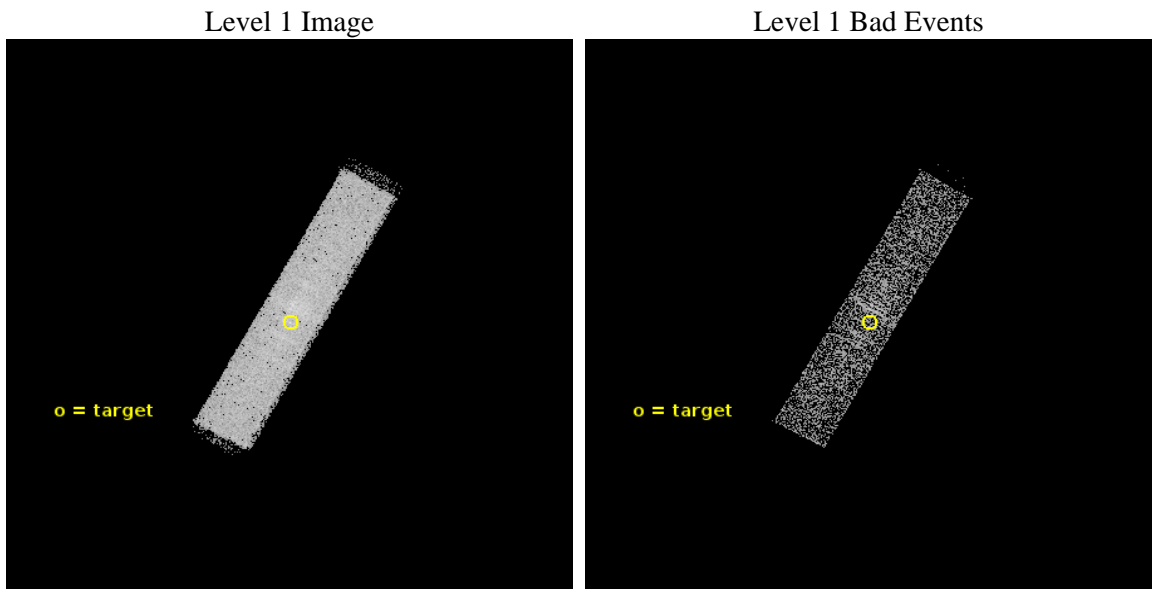
seq_num	500155	Sequence number
obs_id	1978	Observation id
title	SEARCH FOR THE BRIGHTEST ISOLATED NEUTRON STARS	Proposal title
observer	Prof. Robert Rutledge	Principal investigator
object	1RXSJ1450+6559	Source name
ra_targ	222.544167	Observer's specified target RA [deg]
dec_targ	65.995556	Observer's specified target Dec [deg]
ra_nom	222.5512048862	Nominal RA [deg]
dec_nom	65.991676943932	Nominal Dec [deg]
roll_nom	299.34079681415	Nominal Roll [deg]
revision	4	Processing version of data
ontime	823.33128255606	[s]
livetime	820.85696519246	Ontime multiplied by DTCOR
l2events	23239	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	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	823.33128255606	[s]
caldsver	4.5.7	&#160	l1events	55370	Number of level 1 events
date	2013-06-28T23:15:50	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

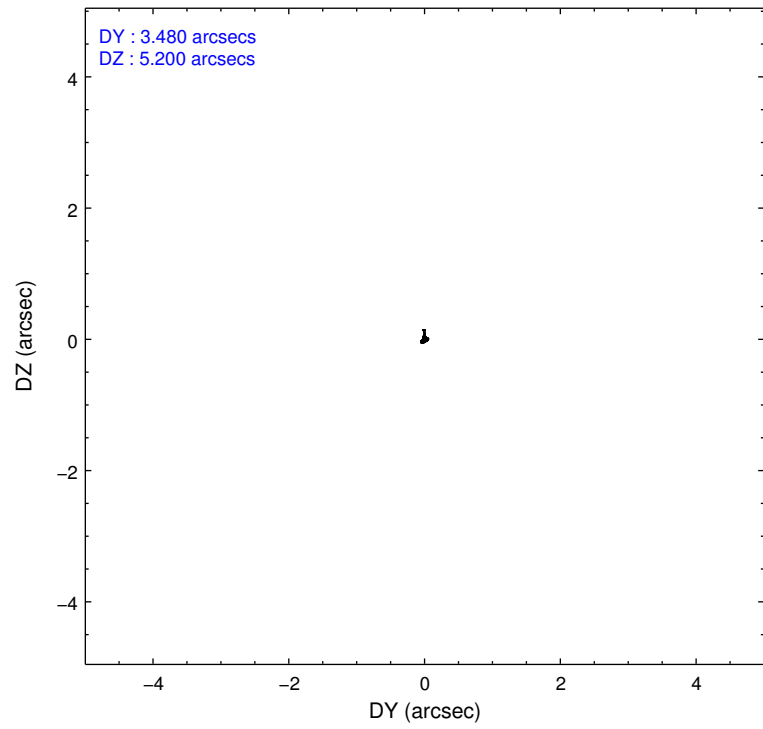
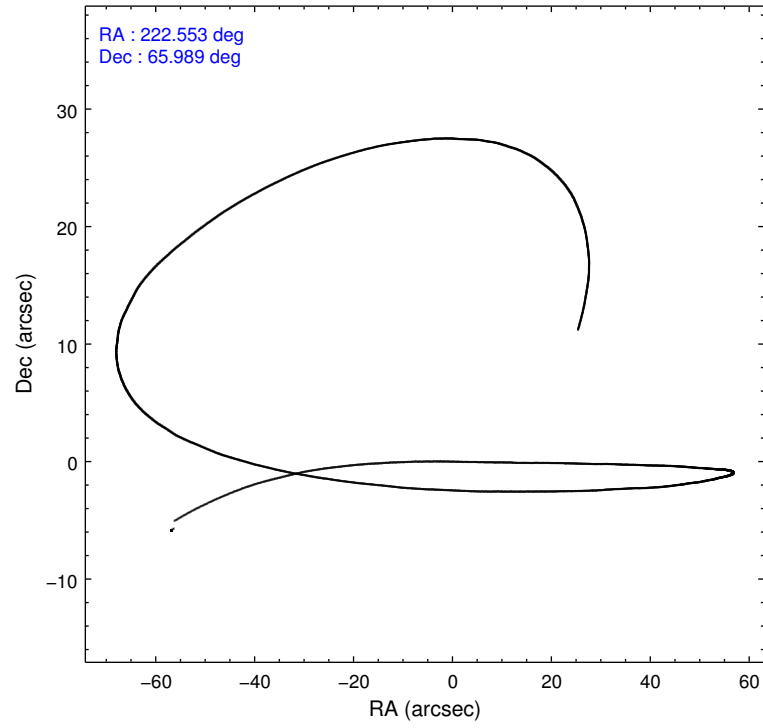
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	74	55296	0
rejected events	23	19235	0
rejected %	31%	34%	0%

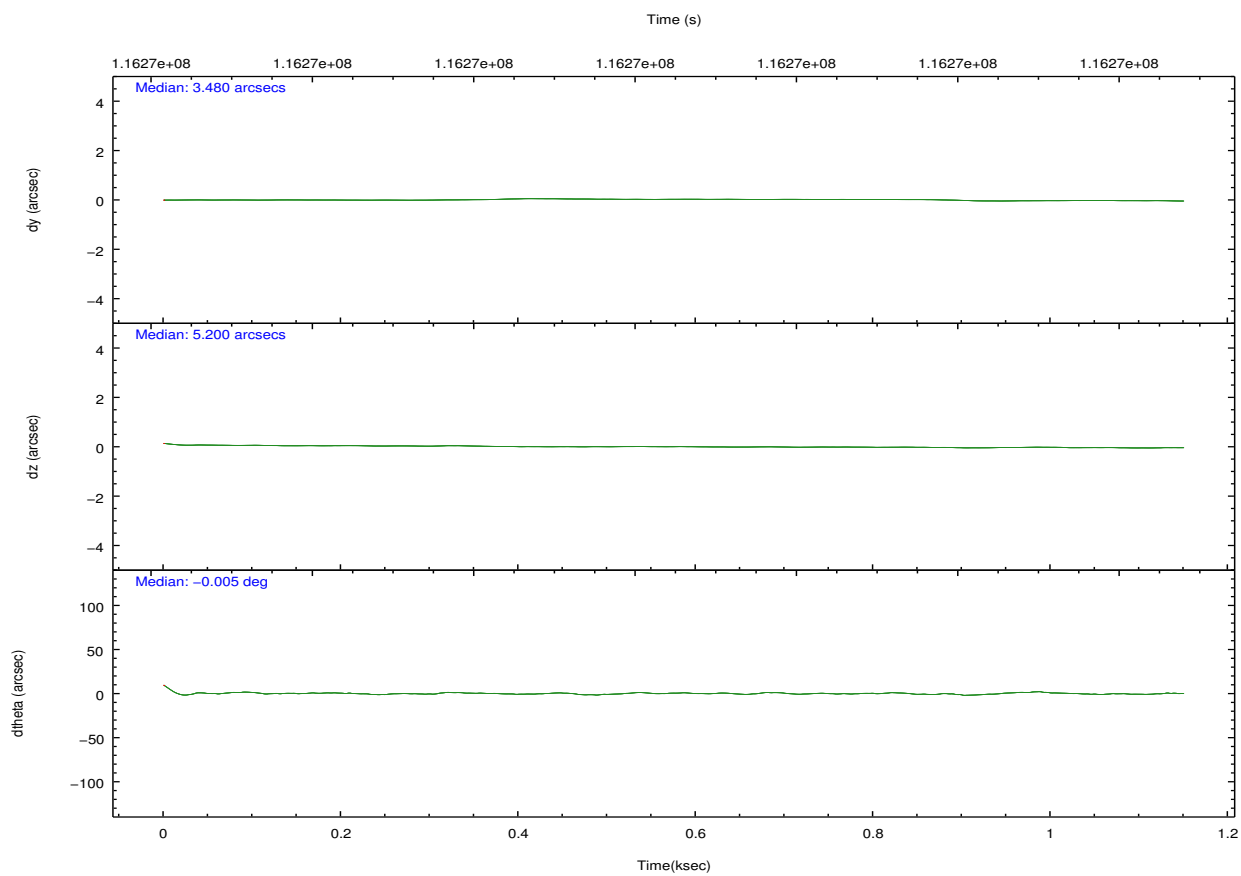
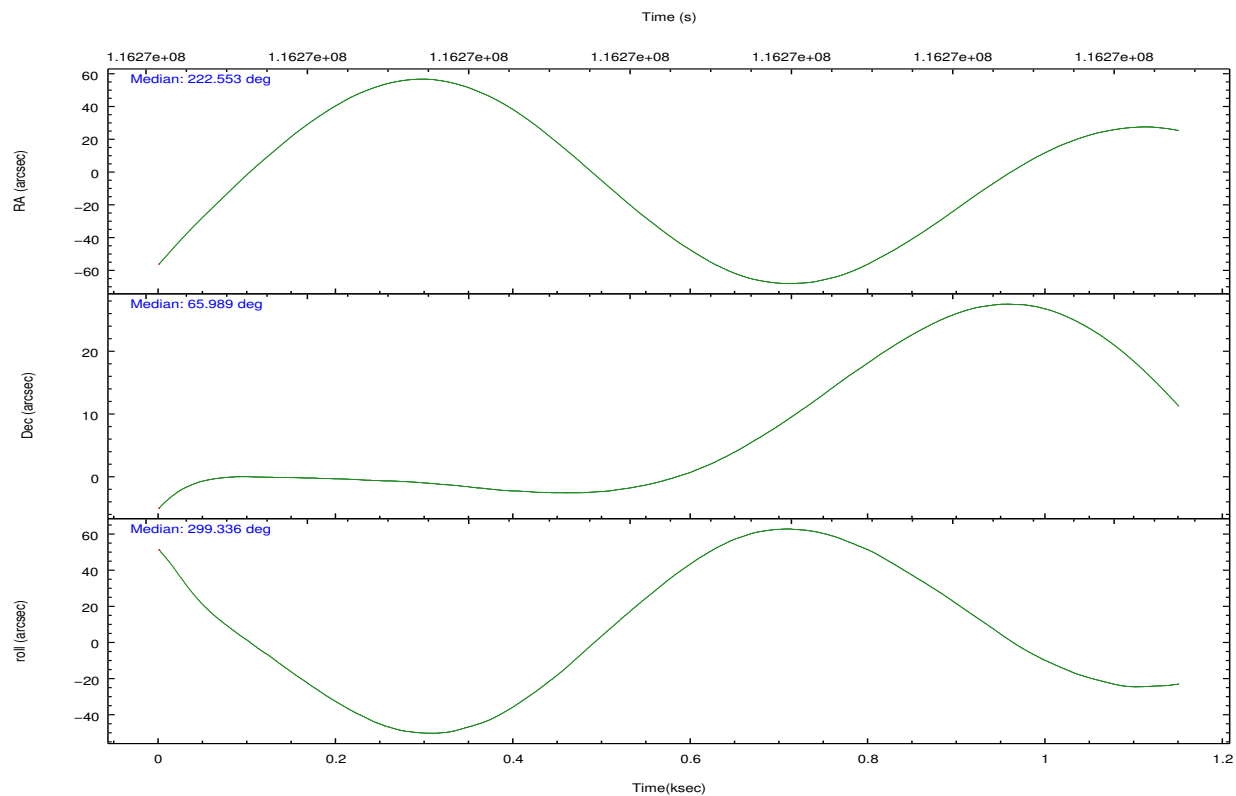
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	222.487314	222.5512048862021
[deg] Pointing Dec	66.004743	65.99167694393245
[deg] Pointing Roll	299.331805	299.3407968141477
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	116272024.184000	116271218.39013
Observation start date	2001-09-07T17:46:00	2001-09-07T17:33:38
[s] Observation end time (MET)	116273024.184000	116273425.72772
Observation end date	2001-09-07T18:02:40	2001-09-07T18:10:25

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





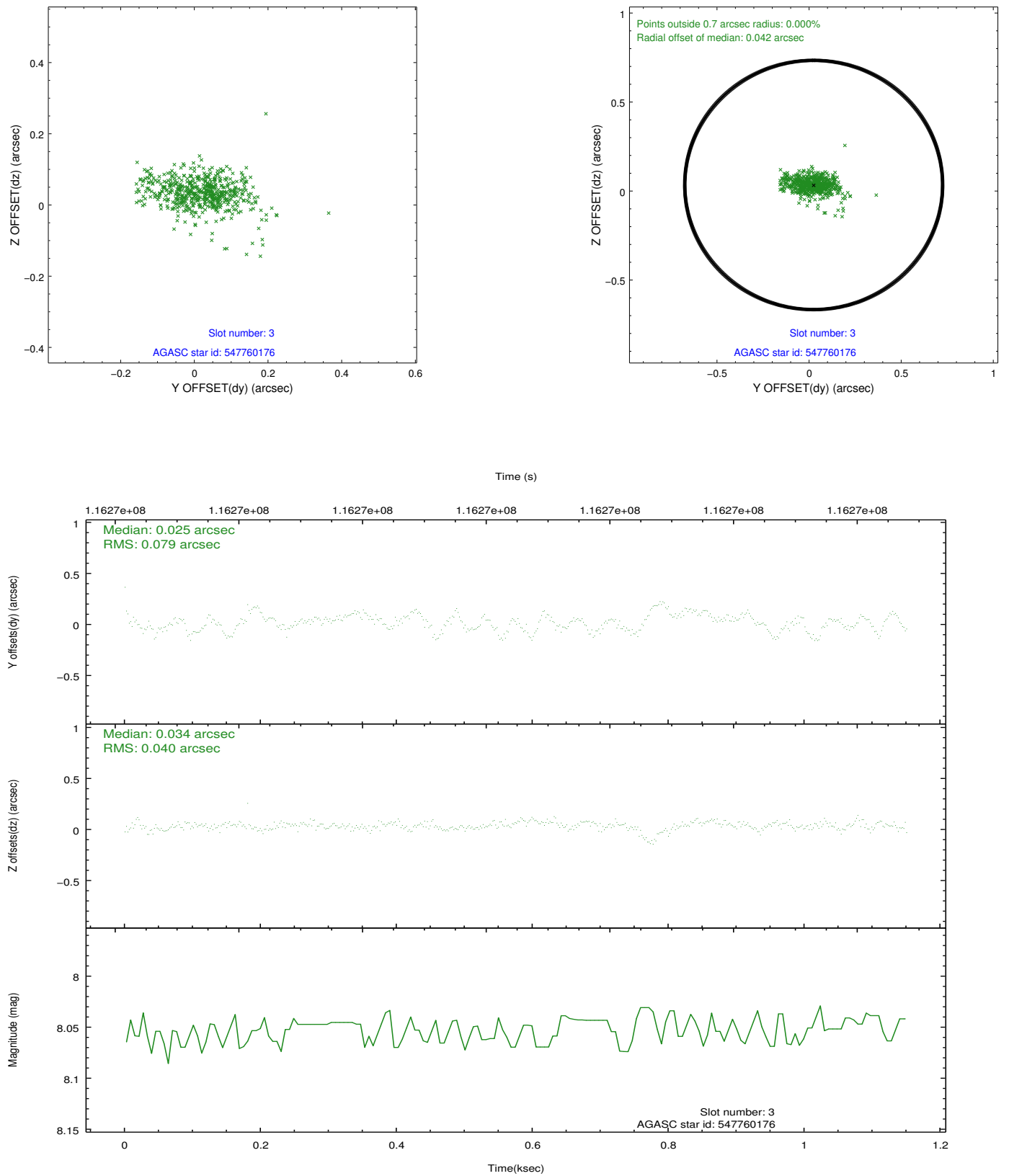
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	281	0.130	-0.159	0.006	0.011	0.000000	0.000000	-1157.53	-453.76
1	FID	HRC-S-3	7.00	281	0.149	-0.038	0.007	0.013	0.000000	0.000000	-1164.37	574.27
2	FID	HRC-S-4	6.92	281	0.109	-0.100	0.004	0.009	0.000000	0.000000	1236.53	580.47
3	GUIDE	547760176	8.05	562	0.025	0.034	0.088	0.167	221.919172	65.251899	1939.68	-2075.15
4	GUIDE	547755544	8.30	562	0.037	0.008	0.057	0.095	222.035829	66.601721	-2188.84	484.38
5	GUIDE	547755760	8.72	561	-0.111	0.092	0.067	0.118	222.013243	65.365022	1652.56	-1749.01
6	GUIDE	547757616	9.36	562	0.058	-0.045	0.082	0.133	221.289836	66.203252	-1486.94	-1164.42
7	GUIDE	548672600	9.22	561	-0.003	-0.079	0.092	0.154	223.285823	65.568228	1942.70	265.41

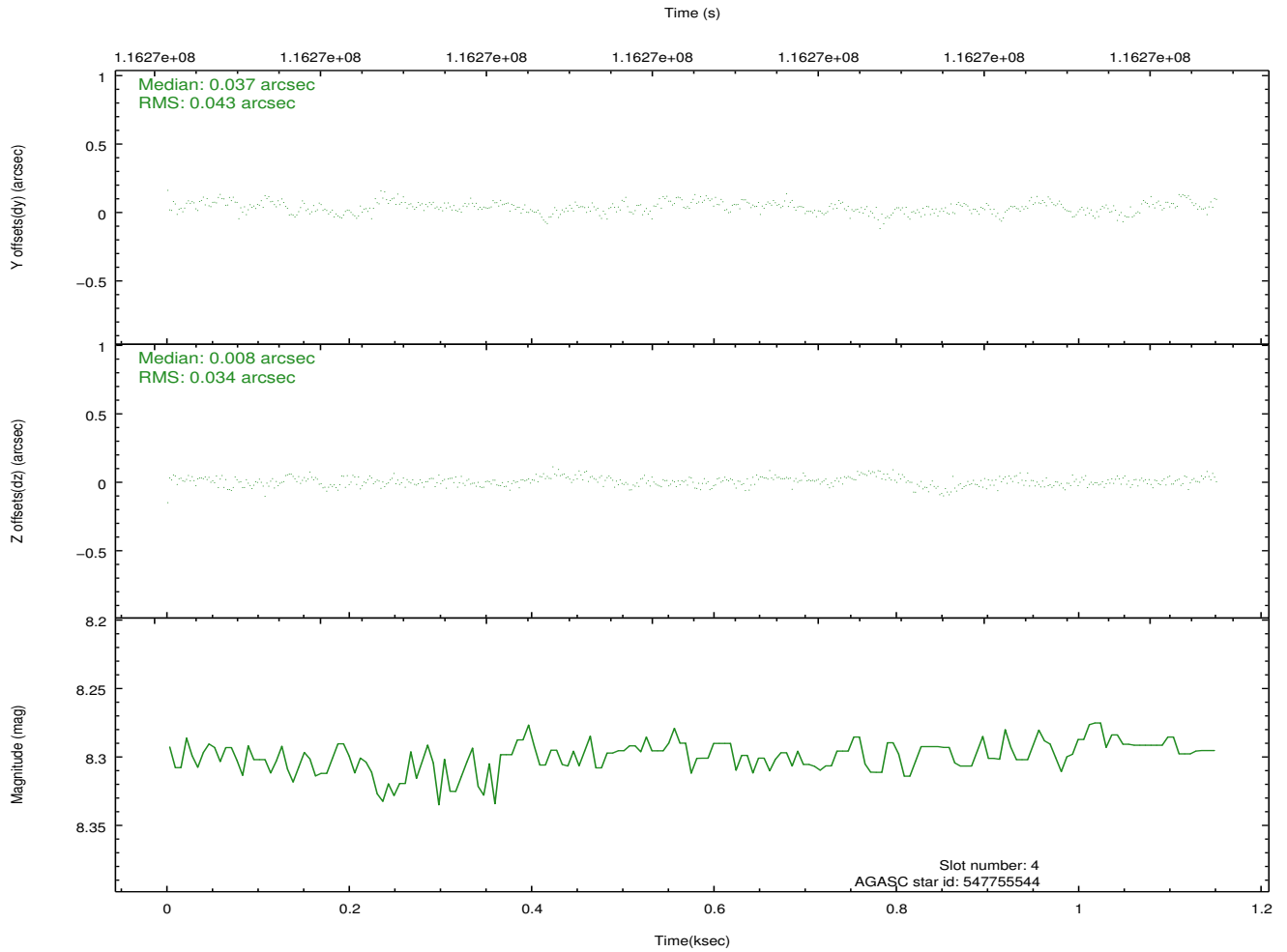
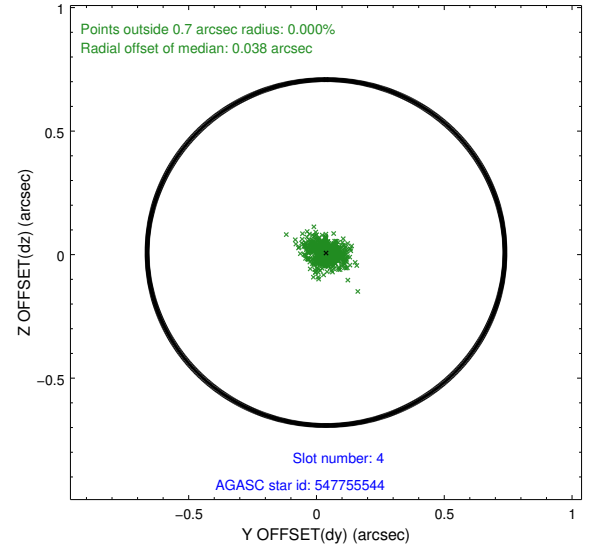
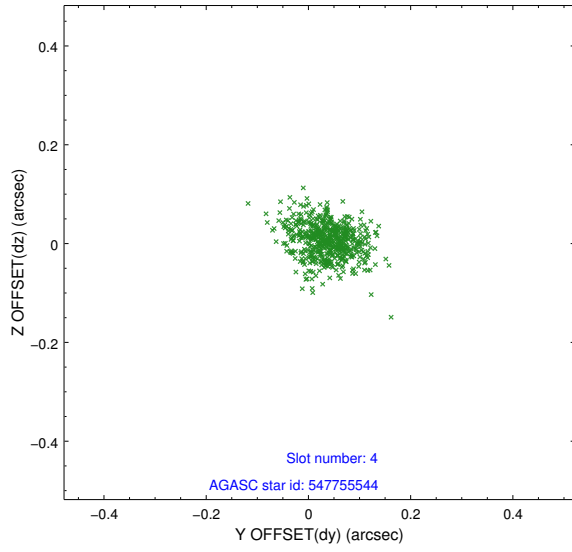


## 2.4 Star Slots

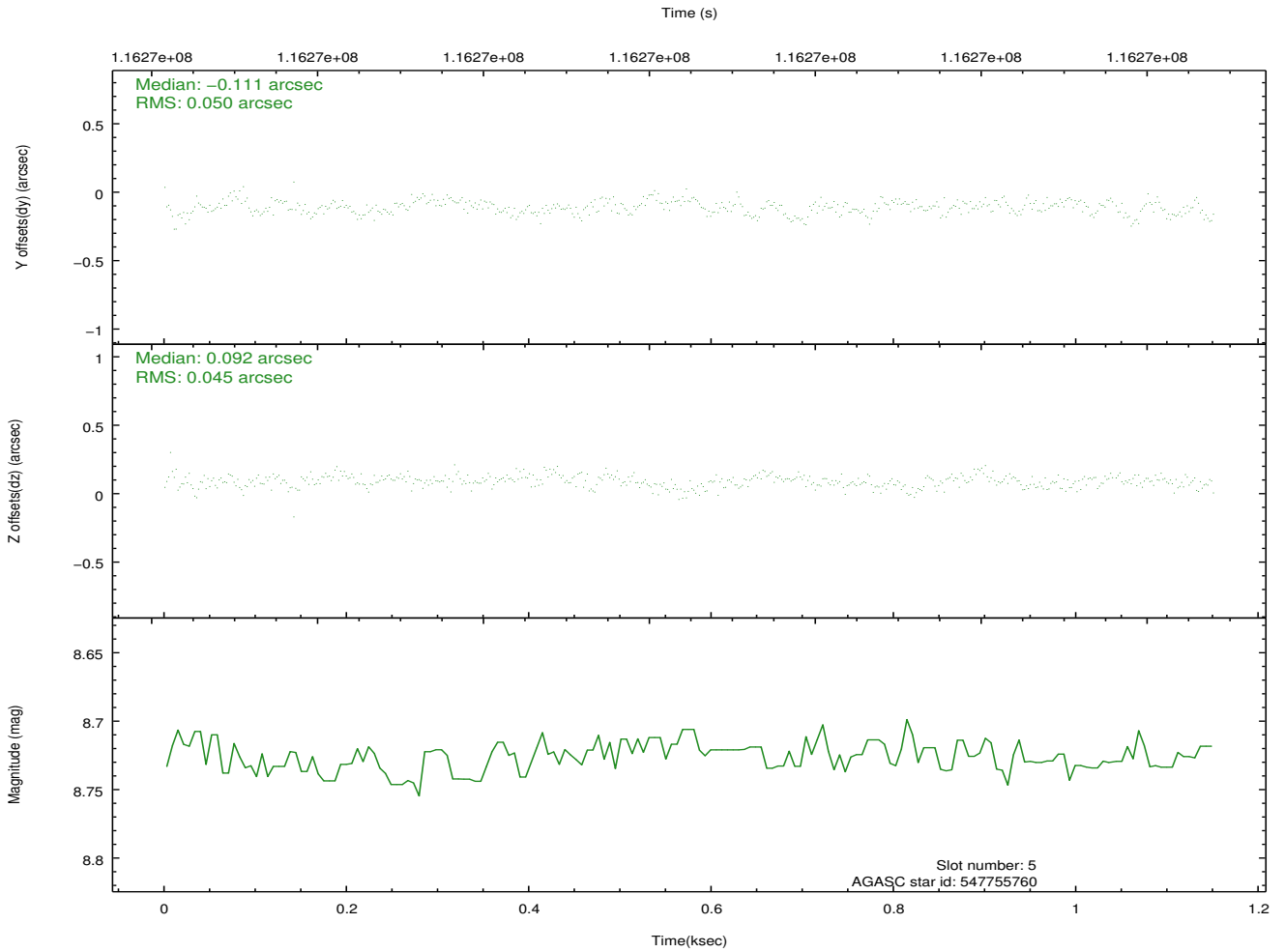
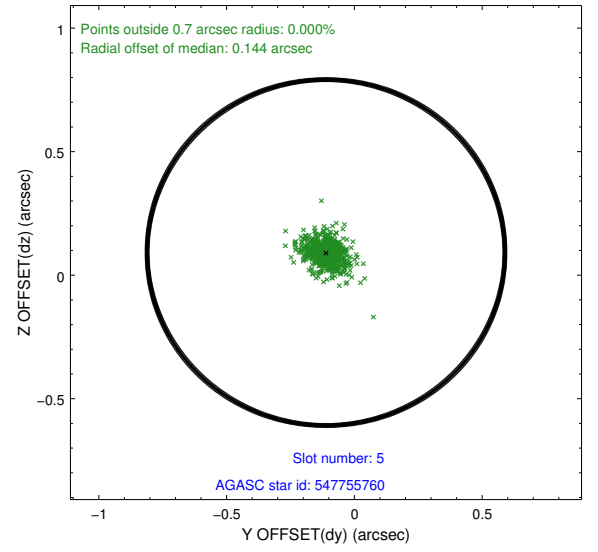
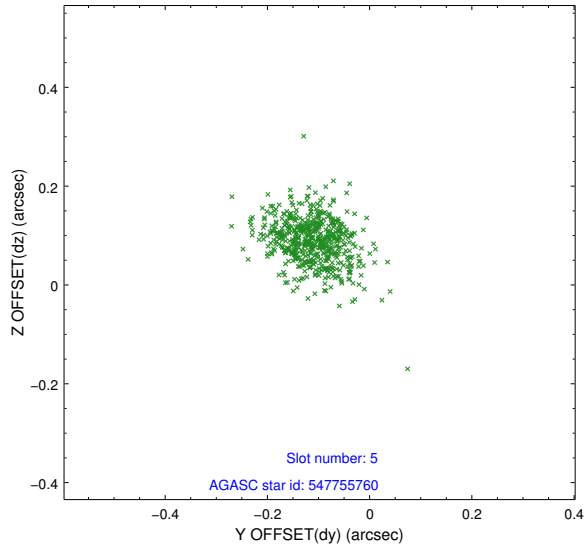
### 2.4.1 Slot 3



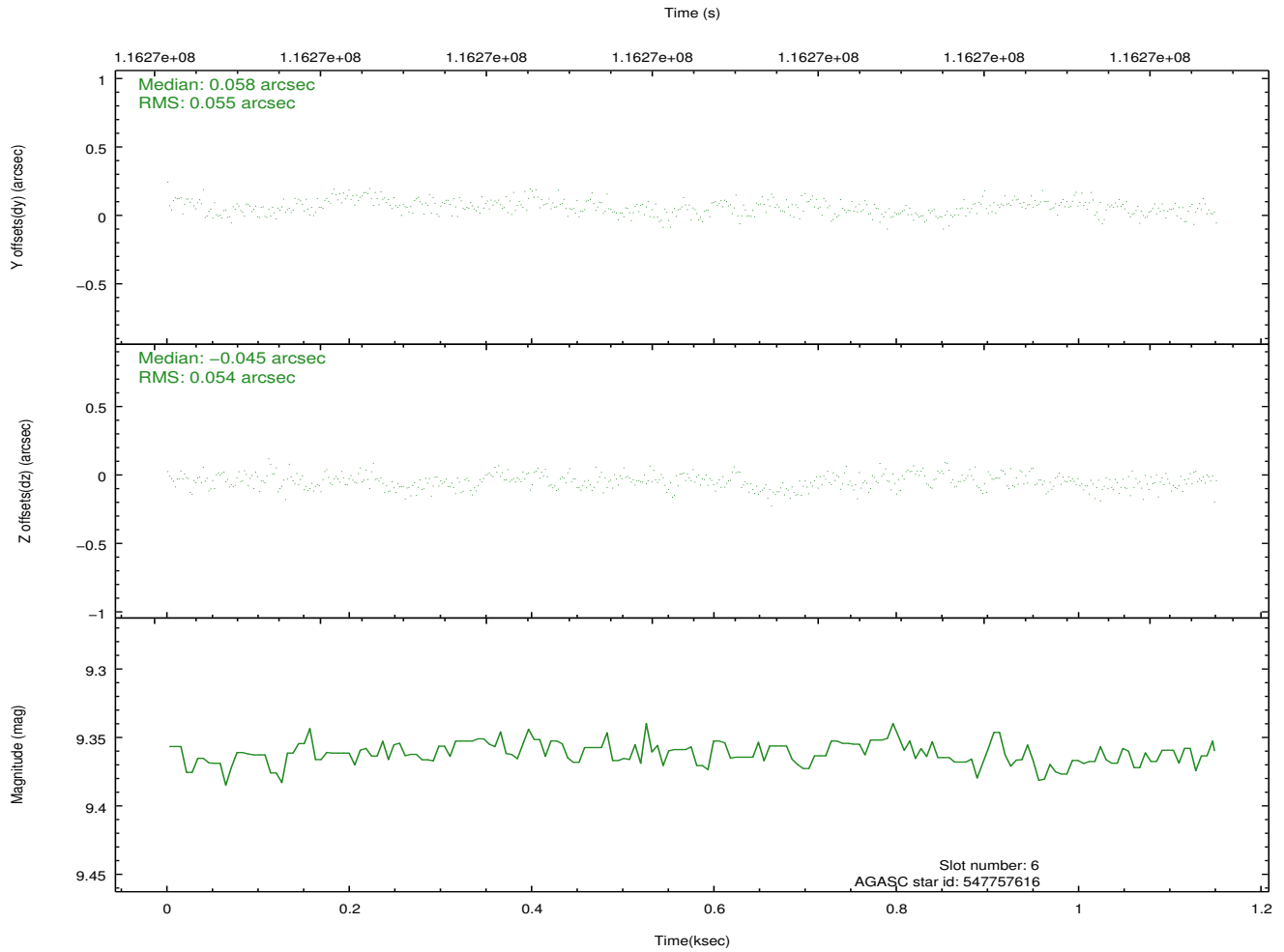
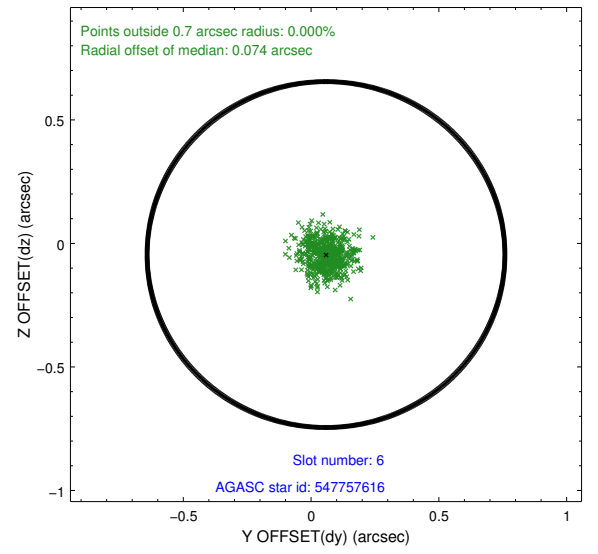
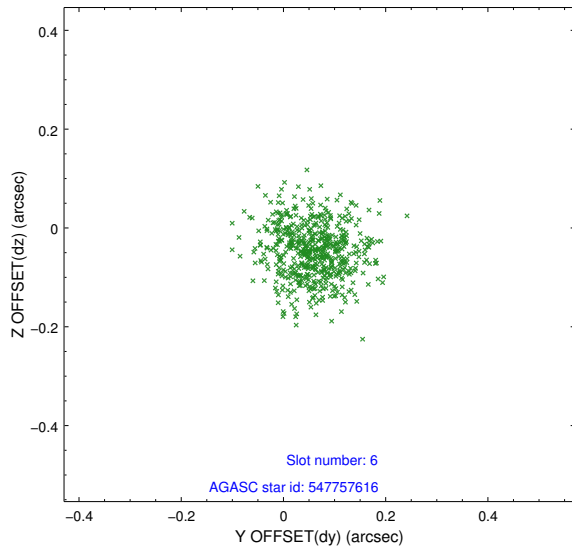
## 2.4.2 Slot 4



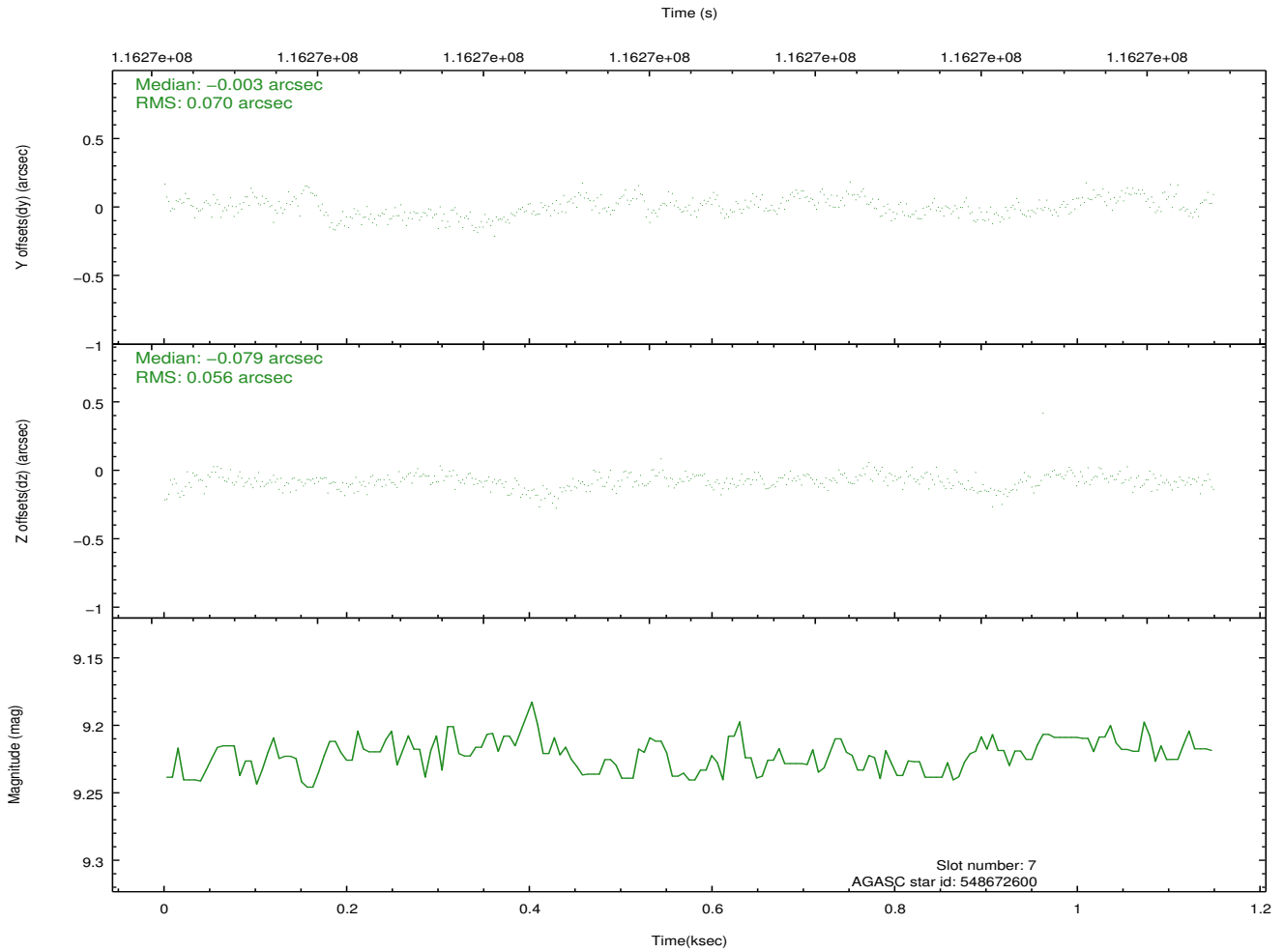
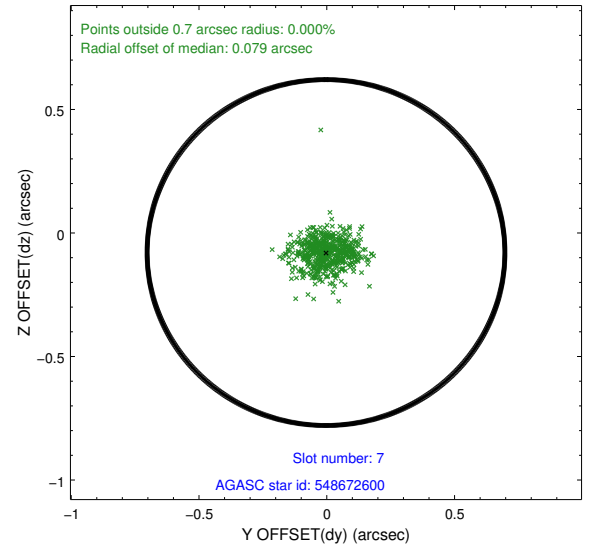
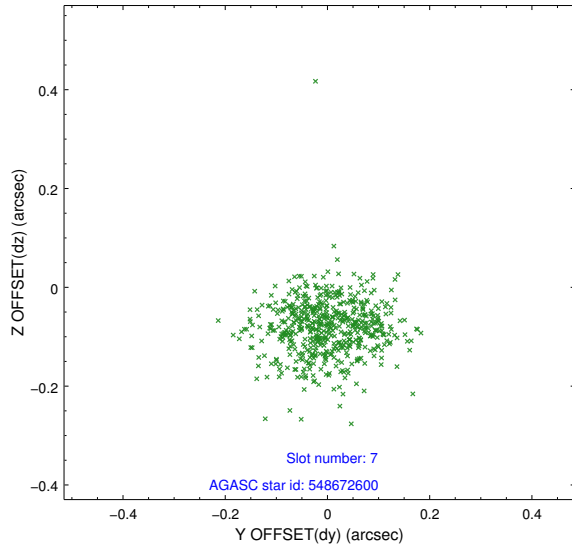
### 2.4.3 Slot 5



## 2.4.4 Slot 6

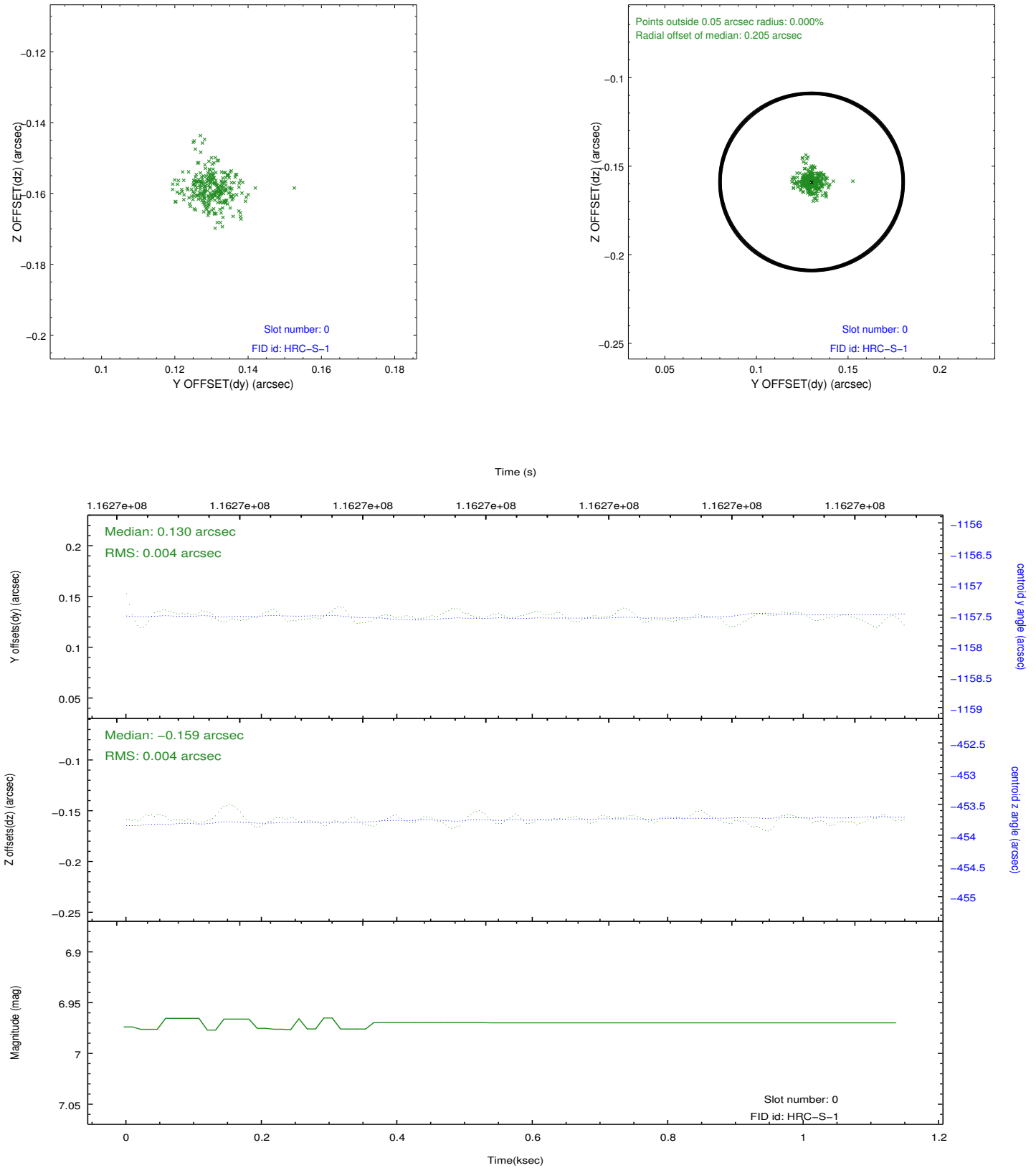


## 2.4.5 Slot 7

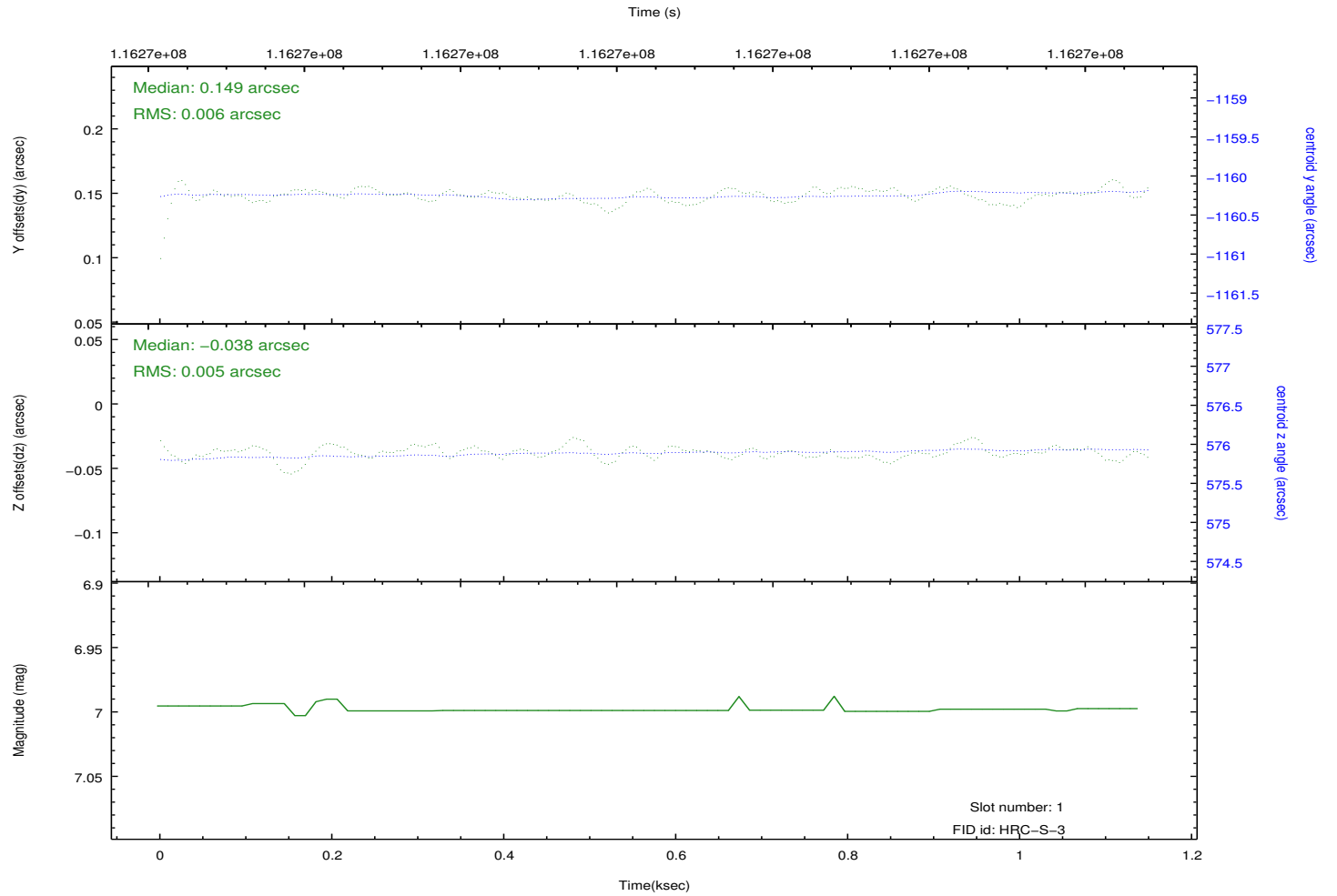
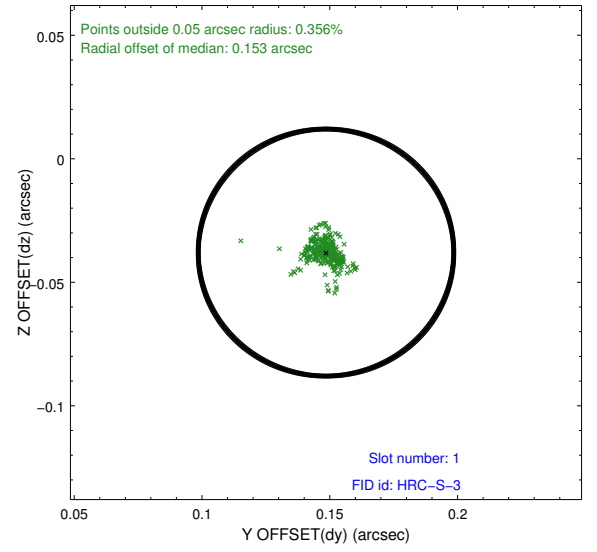
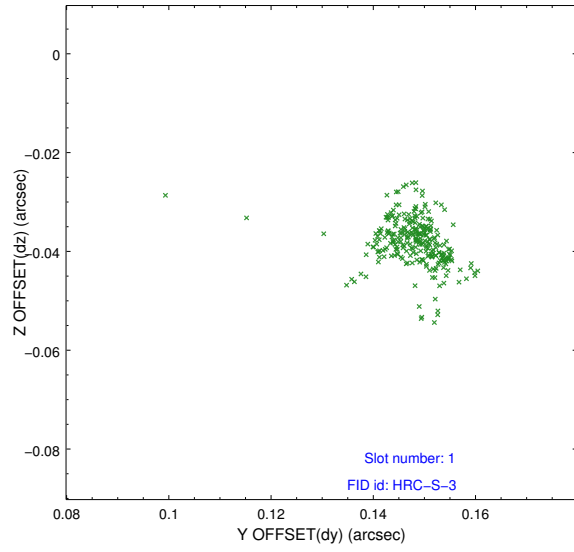


## 2.5 FID Slots

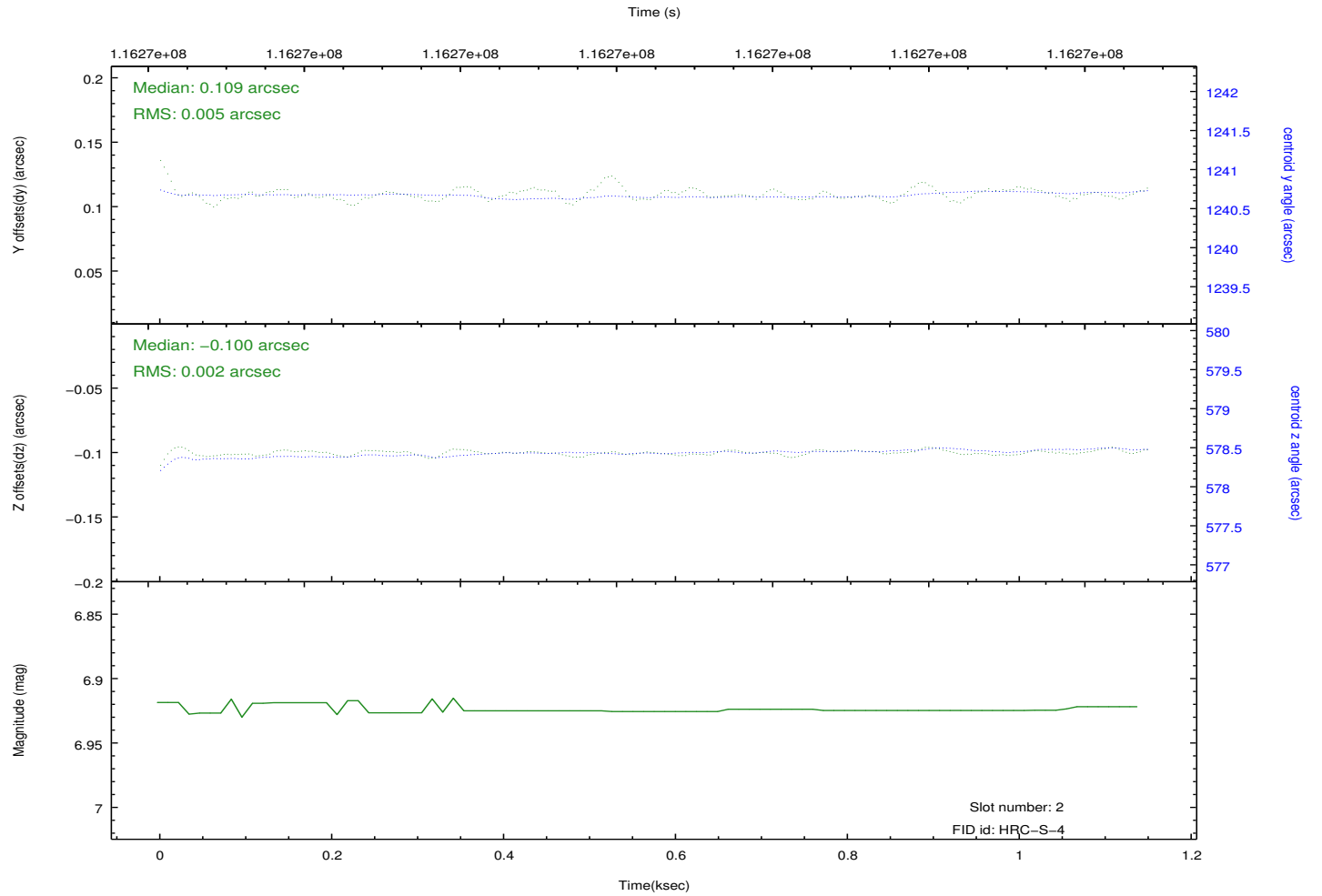
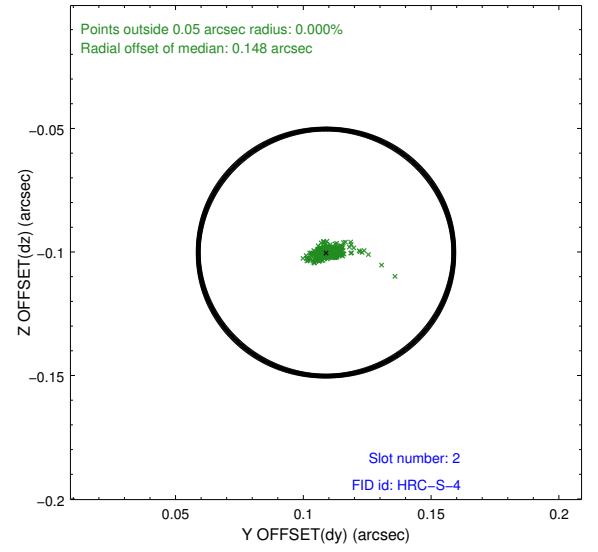
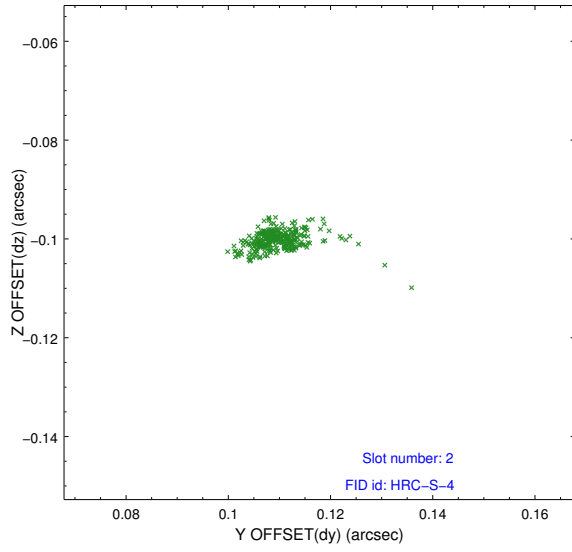
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.823

### A.2 Comments