

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4784 - L2 Version 3  
Chandra X-Ray Center

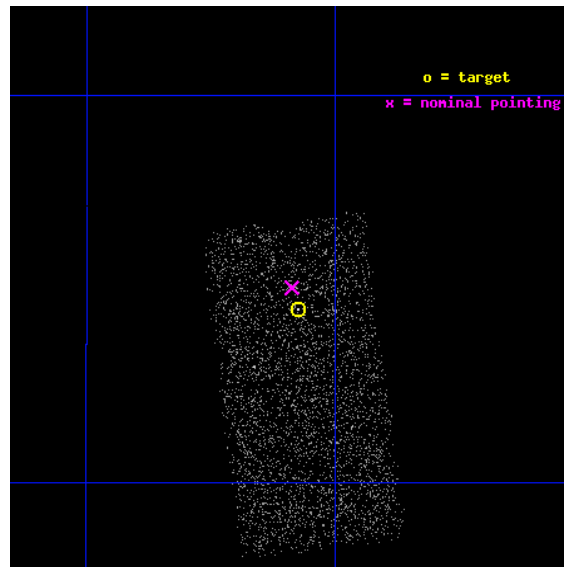
L2 Processing Date : Nov 11 2012

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# 1 Front

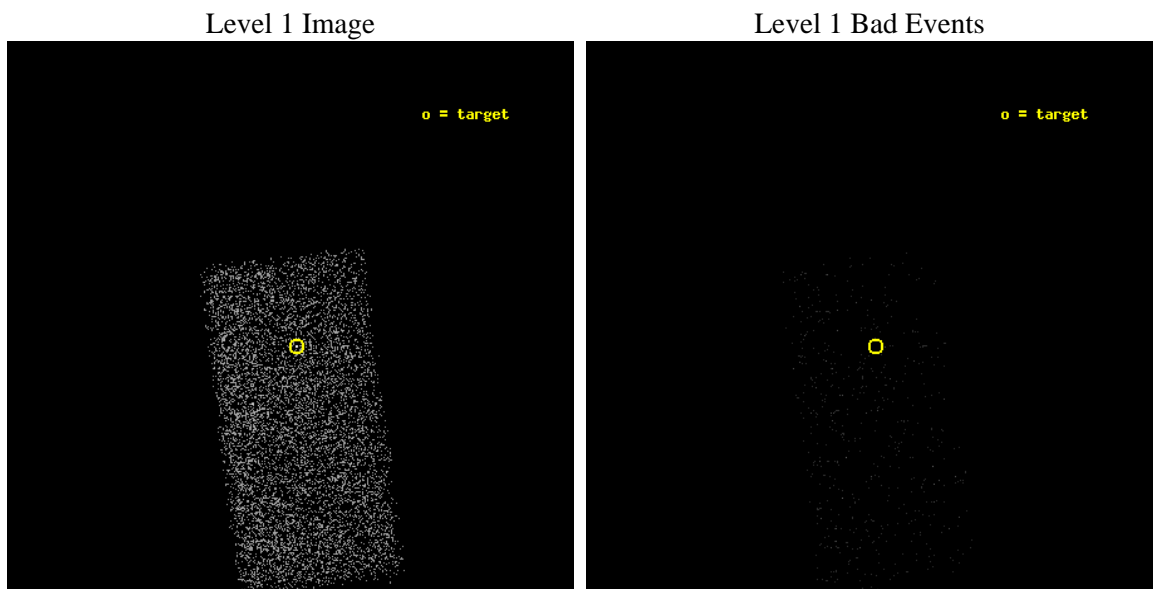
seq_num	700867	Sequence number
obs_id	4784	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1410-276	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.64375	Observer's specified target RA [deg]
dec_targ	29.574639	Observer's specified target Dec [deg]
ra_nom	213.64705711724	Nominal RA [deg]
dec_nom	29.583817604764	Nominal Dec [deg]
roll_nom	82.674648655456	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2211.0	Sum of GTIs [s]
livetime	2152.1180501479	Livetime [s]
ontime7	2211.0	Sum of GTIs [s]
l2events	4228	Number of level 2 events



## 2 OBI

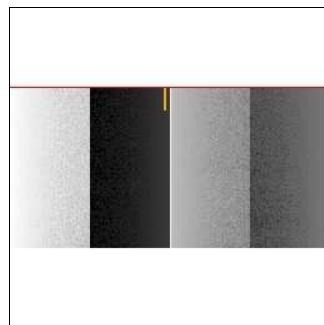
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2004.036000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2211.0	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	2211.0	Sum of GTIs [s]
date	2012-11-11T14:33:23	Date and time of file creation	l1events	11947	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

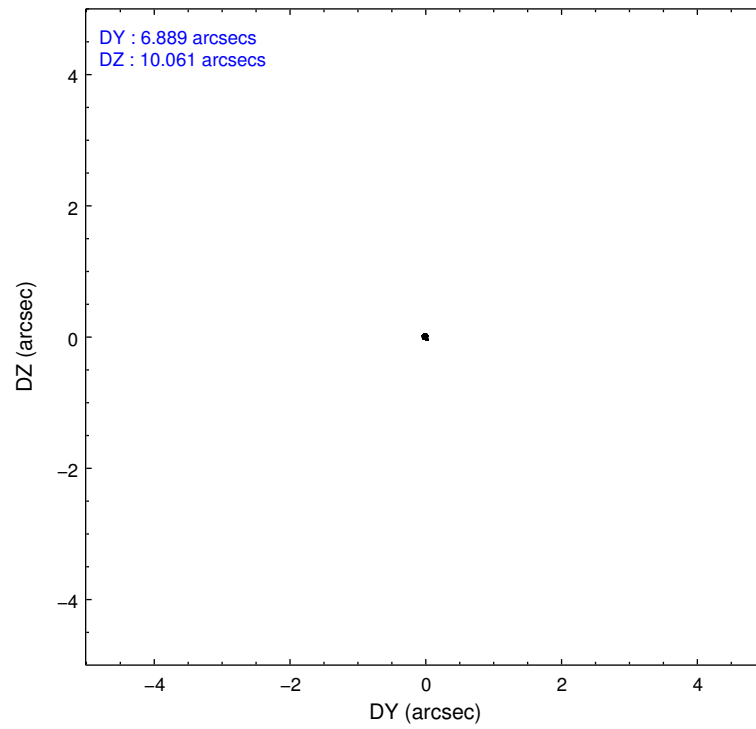
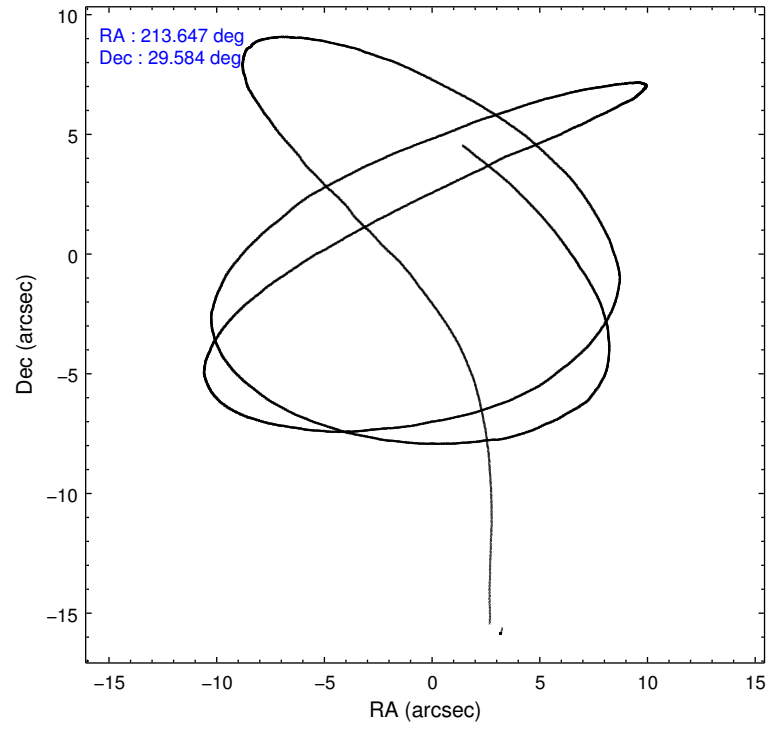
	<b>ccd 7</b>
level 1 events	11947
rejected events	7608
rejected %	63%

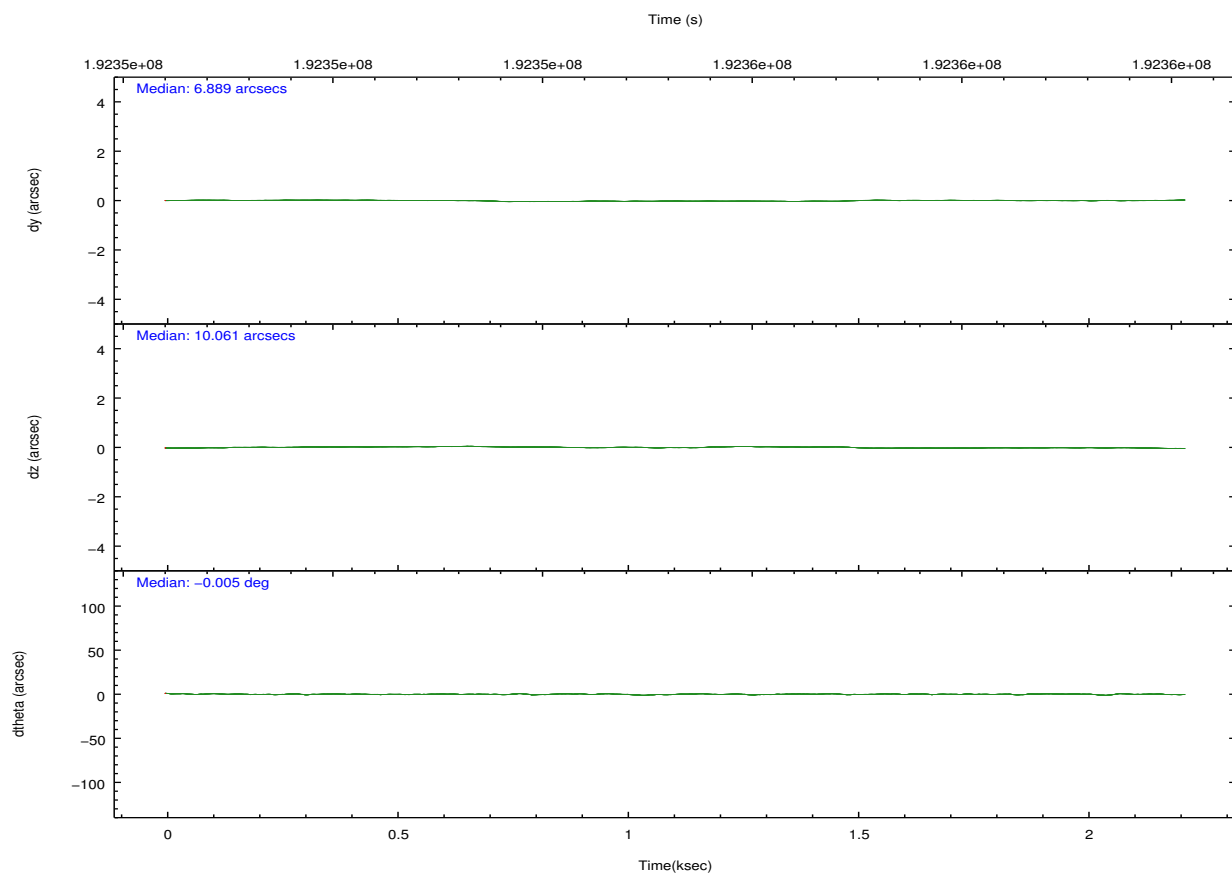
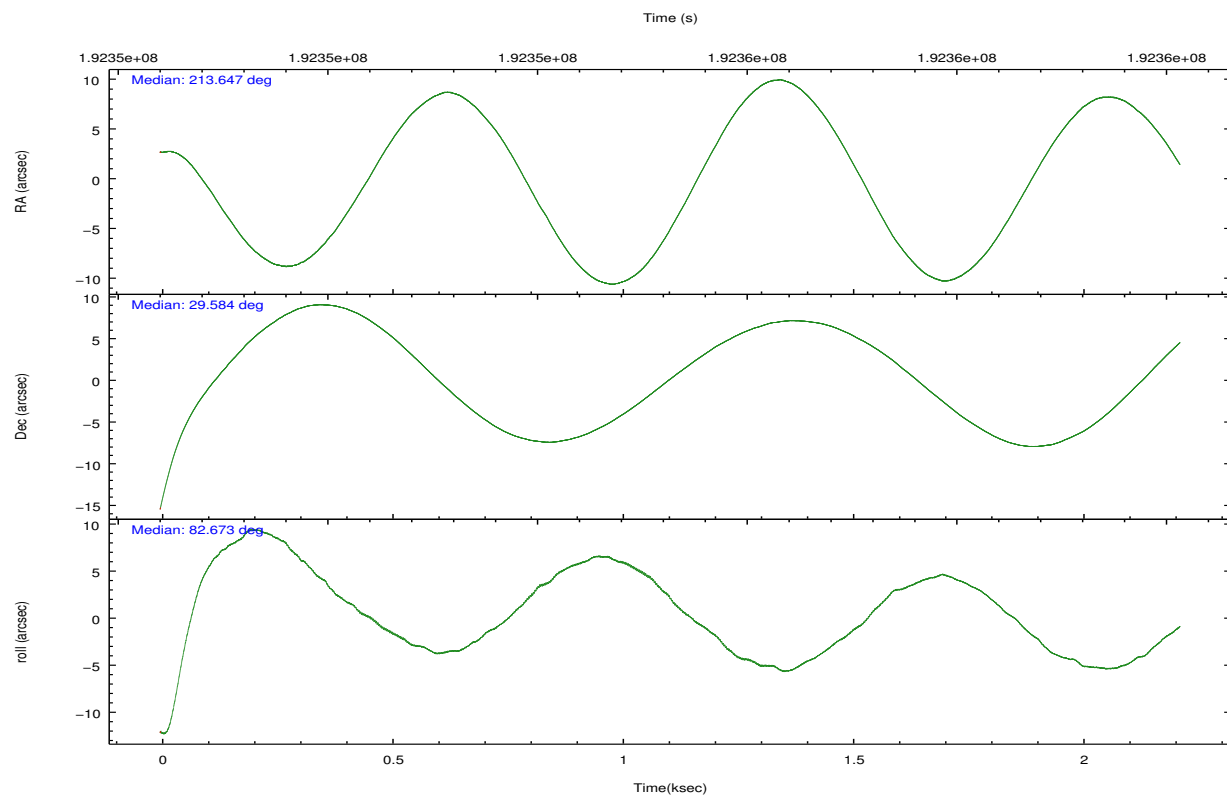
	<b>ccd 7</b>
grade 0 events	587
	4%
grade 1 events	15
	0%
grade 2 events	1056
	8%
grade 3 events	539
	4%
grade 4 events	507
	4%
grade 5 events	1111
	9%
grade 6 events	2726
	22%
grade 7 events	5406
	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	213.659541	213.6470571172372	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	29.558884	29.58381760476401	Subarray start row	257	257
[deg] Pointing Roll	82.511956	82.67464865545642	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	192353916.184000	192352939.71848			
Observation start date	2004-02-05T07:37:32	2004-02-05T07:22:19			
[s] Observation end time (MET)	192355920.184000	192356234.58112			
Observation end date	2004-02-05T08:10:56	2004-02-05T08:17:14			
Read mode	TIMED	TIMED			

## 2.3 Aspect





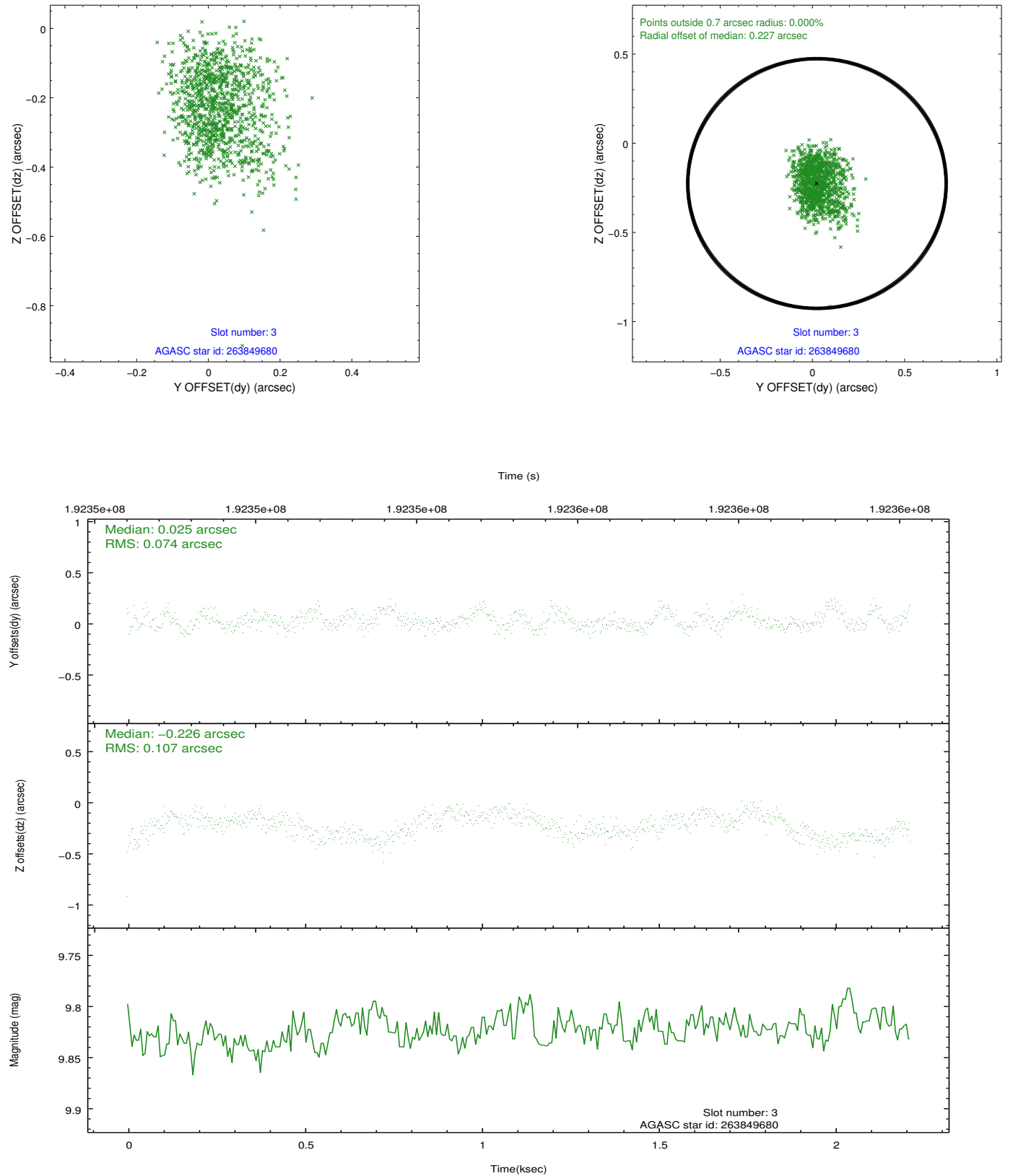
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	541	-0.047	-0.022	0.007	0.011	0.000000	0.000000	-759.64	-1731.29
1	FID	ACIS-S-4	7.20	541	0.078	0.029	0.006	0.011	0.000000	0.000000	2152.39	174.26
2	FID	ACIS-S-5	7.23	541	-0.062	0.002	0.006	0.012	0.000000	0.000000	-1808.76	171.17
3	GUIDE	263849680	9.82	1081	0.025	-0.226	0.137	0.218	212.915056	29.396640	-875.79	2239.81
4	GUIDE	263852096	9.63	1080	0.079	-0.070	0.090	0.154	213.680237	29.769267	758.87	36.65
5	GUIDE	263855264	8.75	1081	0.149	0.250	0.067	0.108	213.623938	29.084947	-1705.12	-111.14
6	GUIDE	333716008	8.96	1081	-0.052	0.070	0.084	0.133	213.233857	30.110972	1798.90	1574.11
7	GUIDE	333717496	7.82	1080	-0.217	-0.023	0.056	0.088	213.487823	30.217182	2282.64	841.82

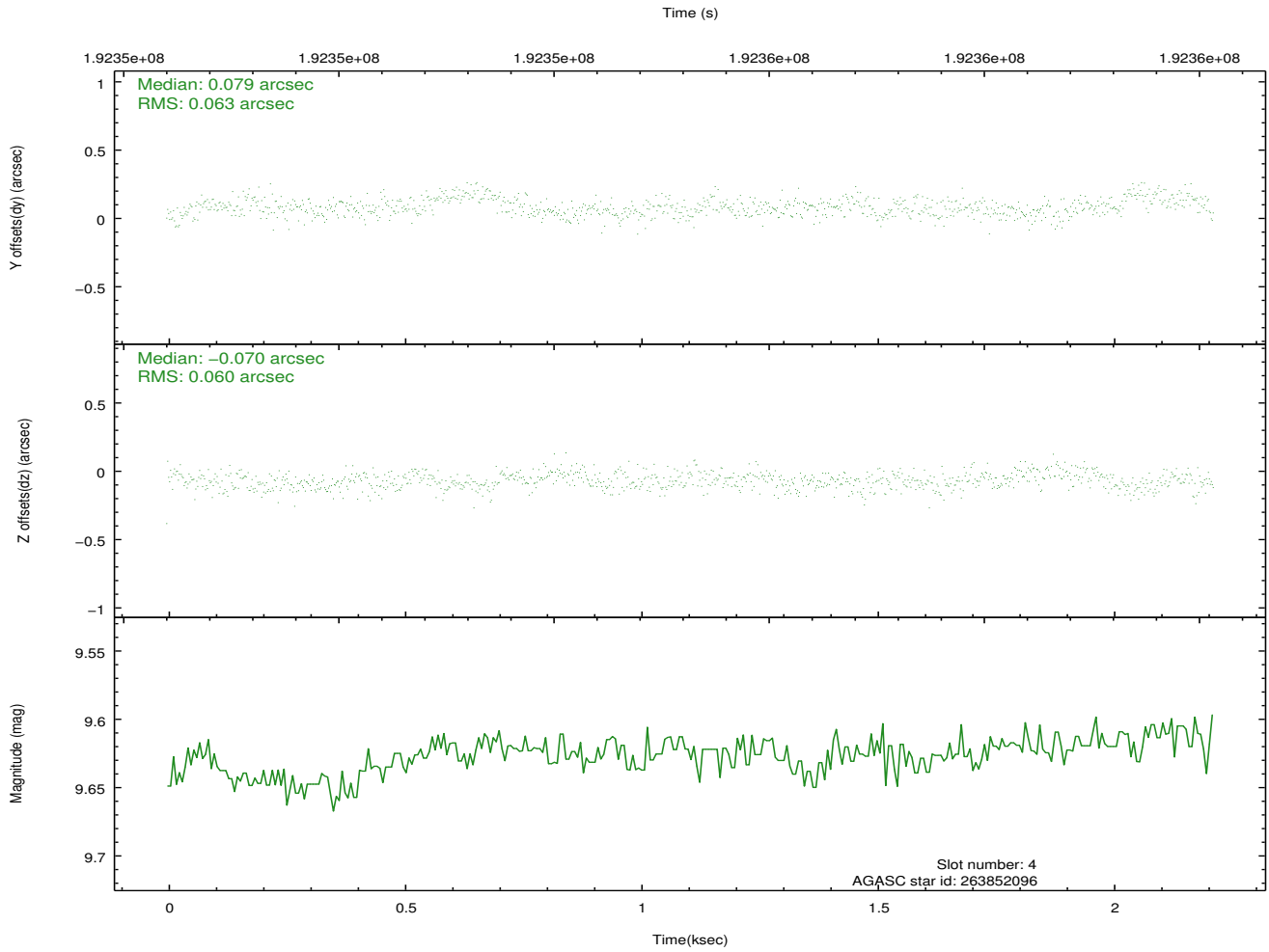
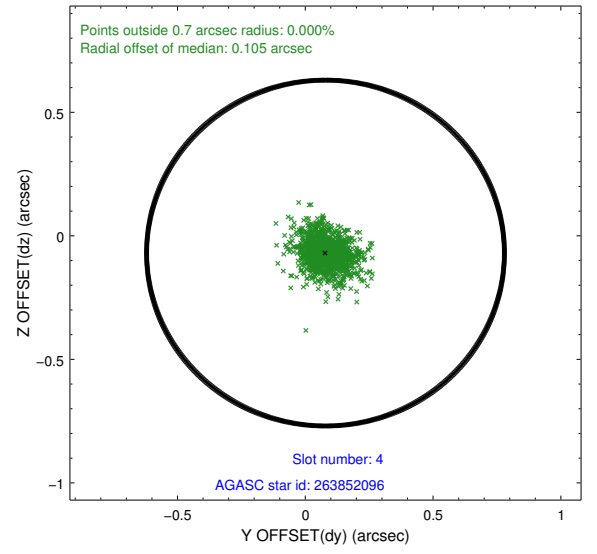
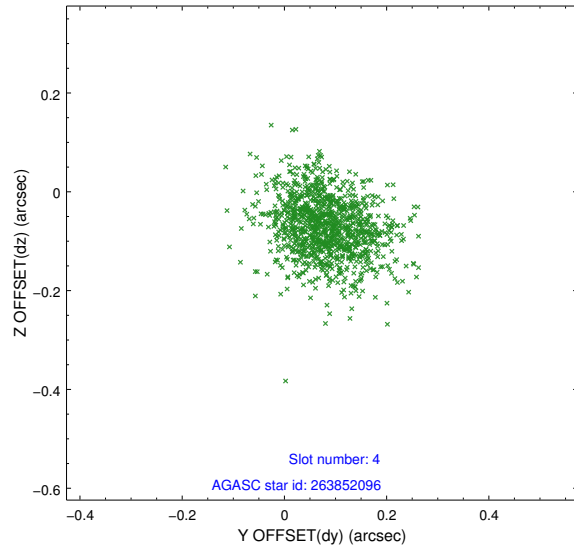


## 2.4 Star Slots

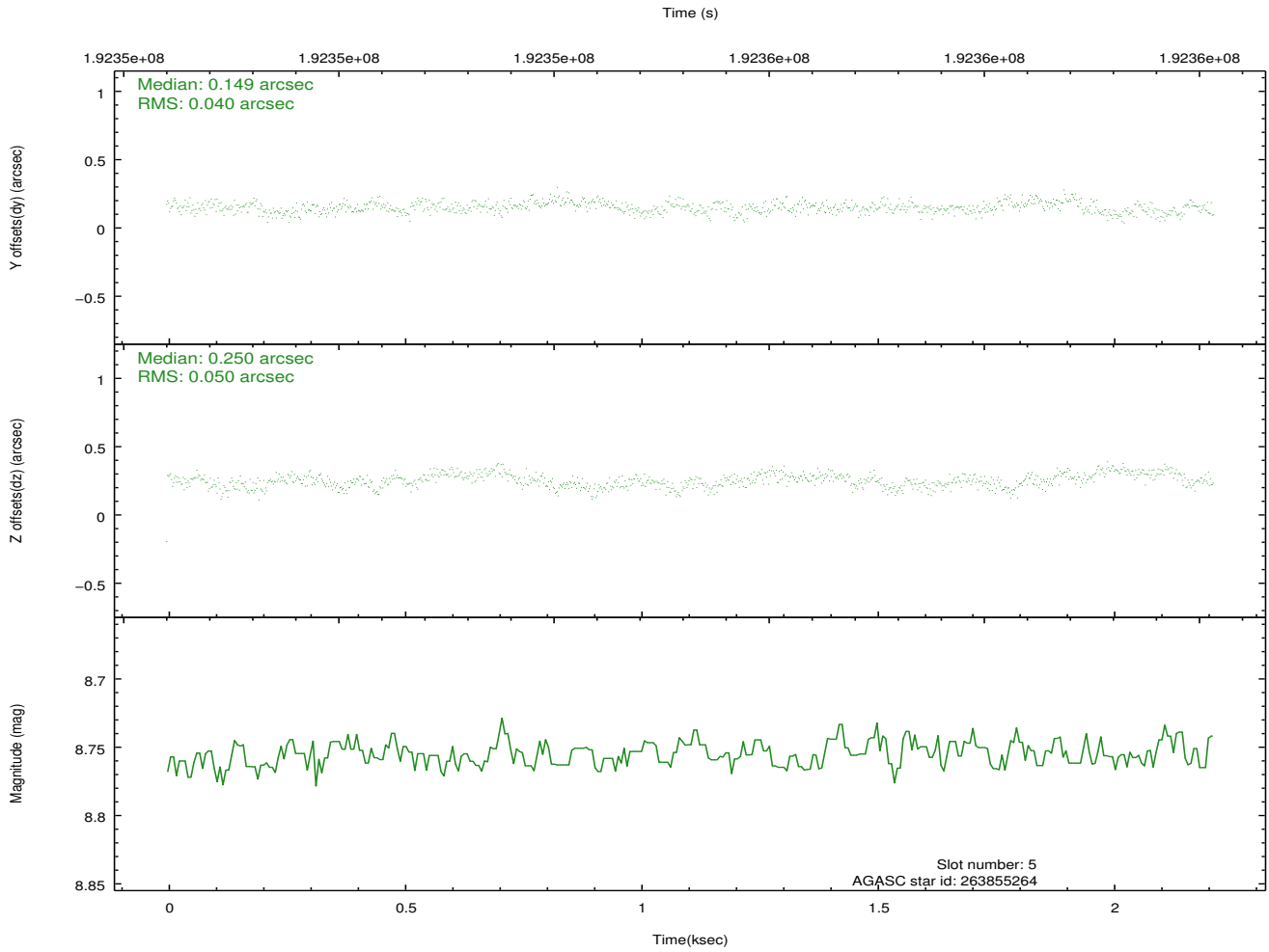
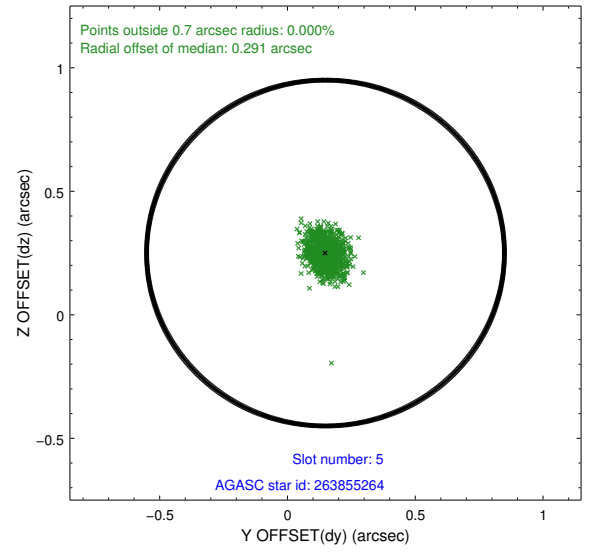
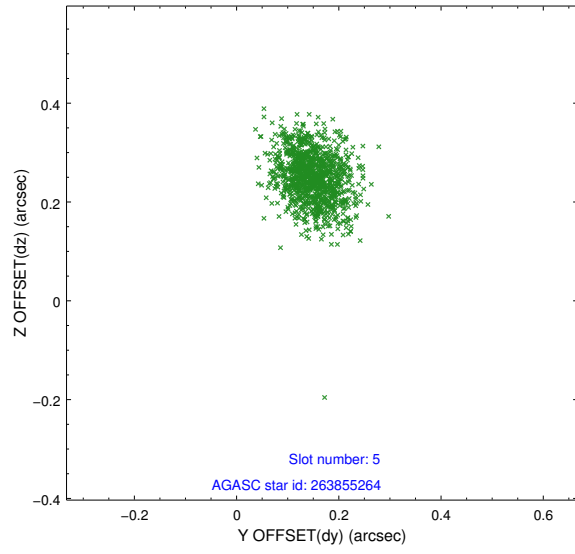
### 2.4.1 Slot 3



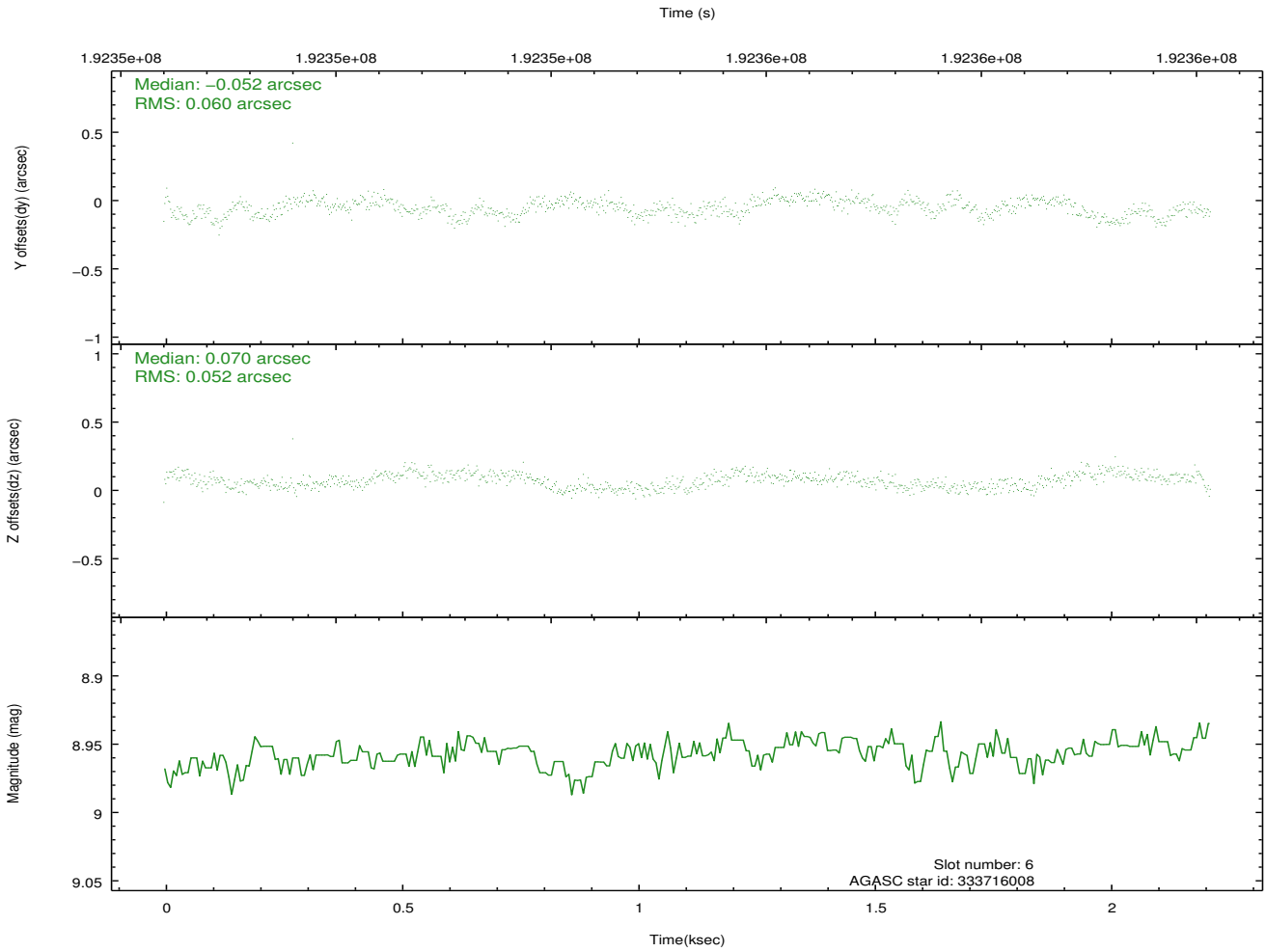
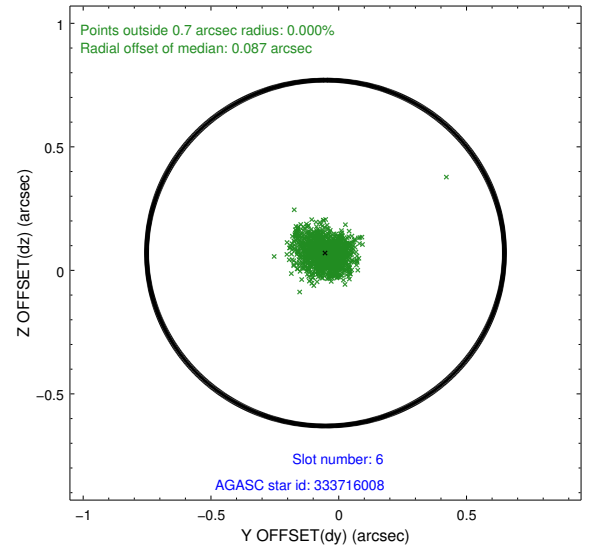
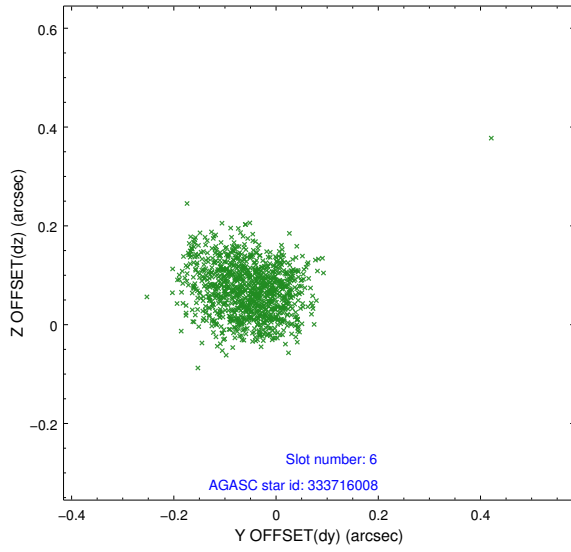
## 2.4.2 Slot 4



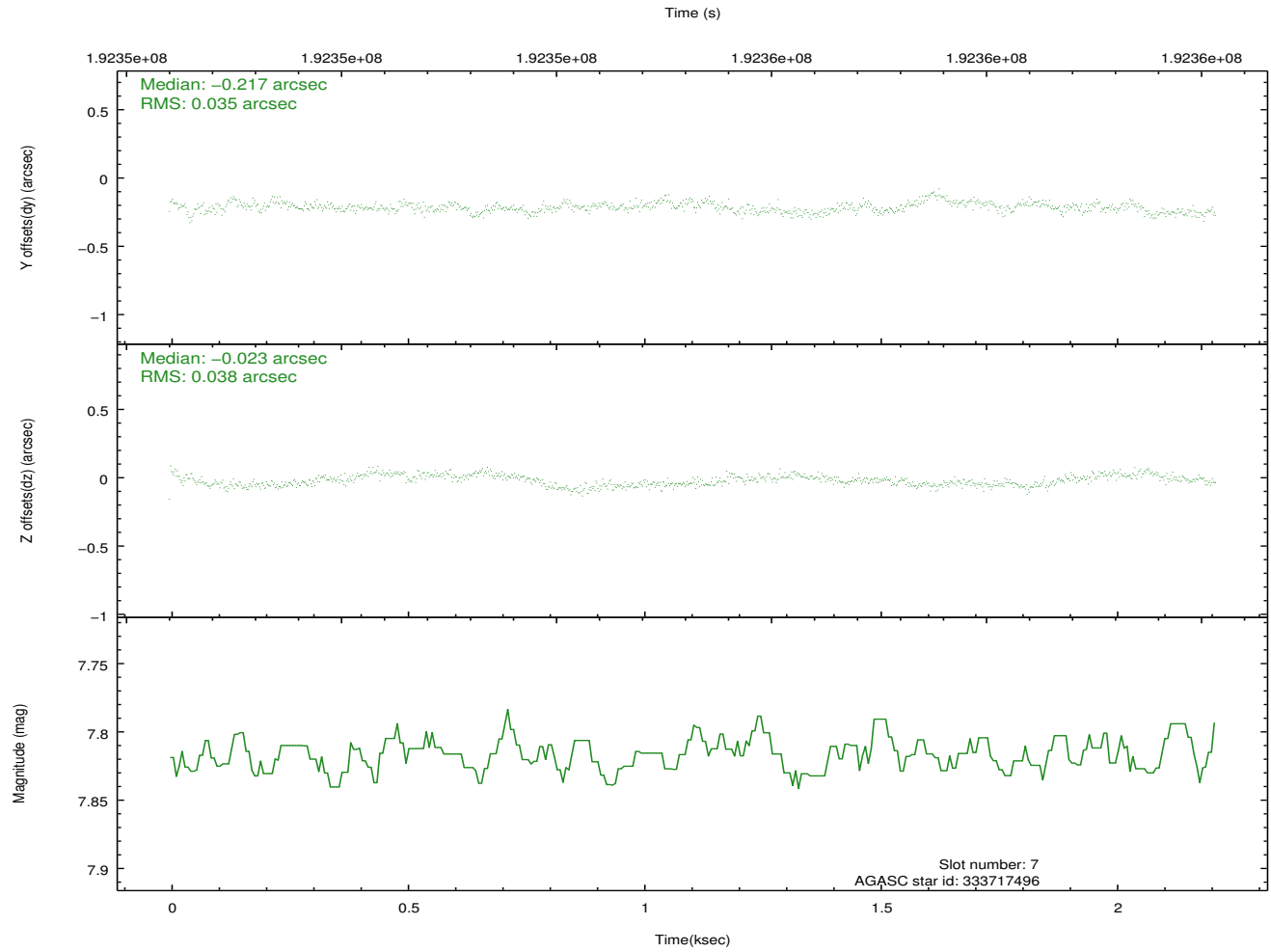
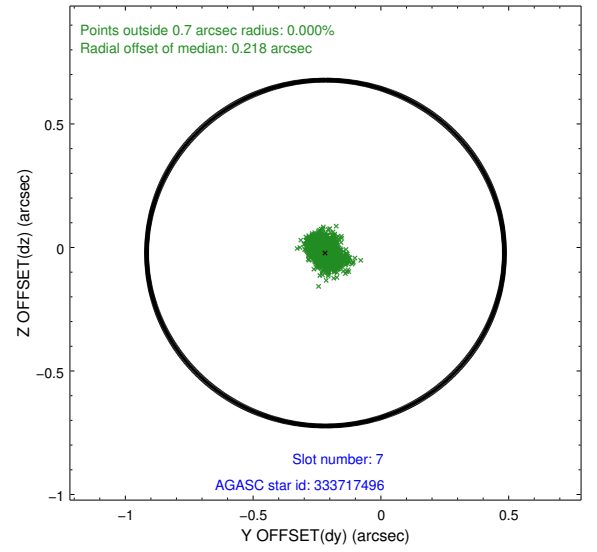
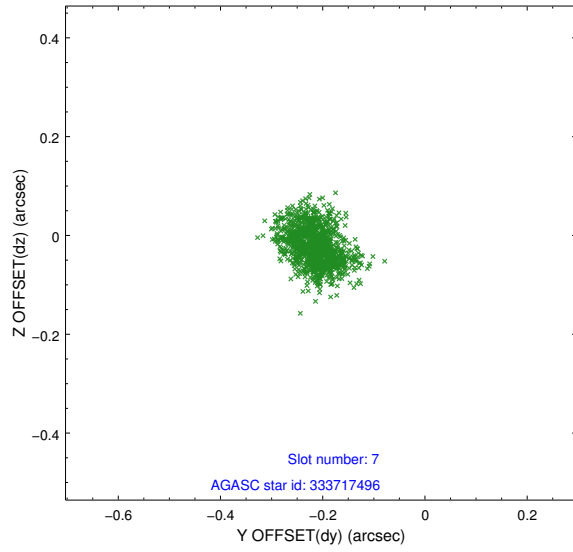
### 2.4.3 Slot 5



## 2.4.4 Slot 6

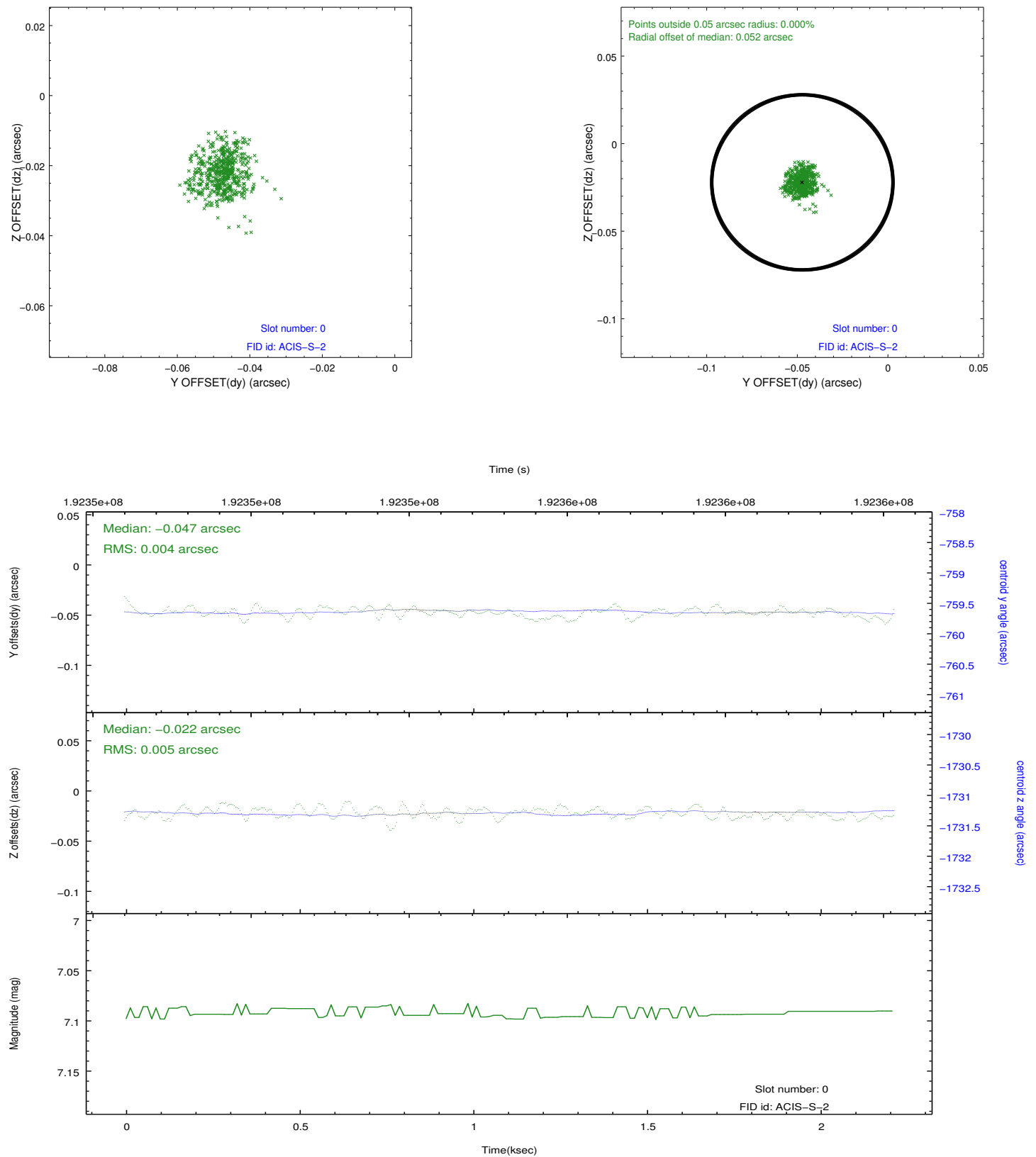


## 2.4.5 Slot 7

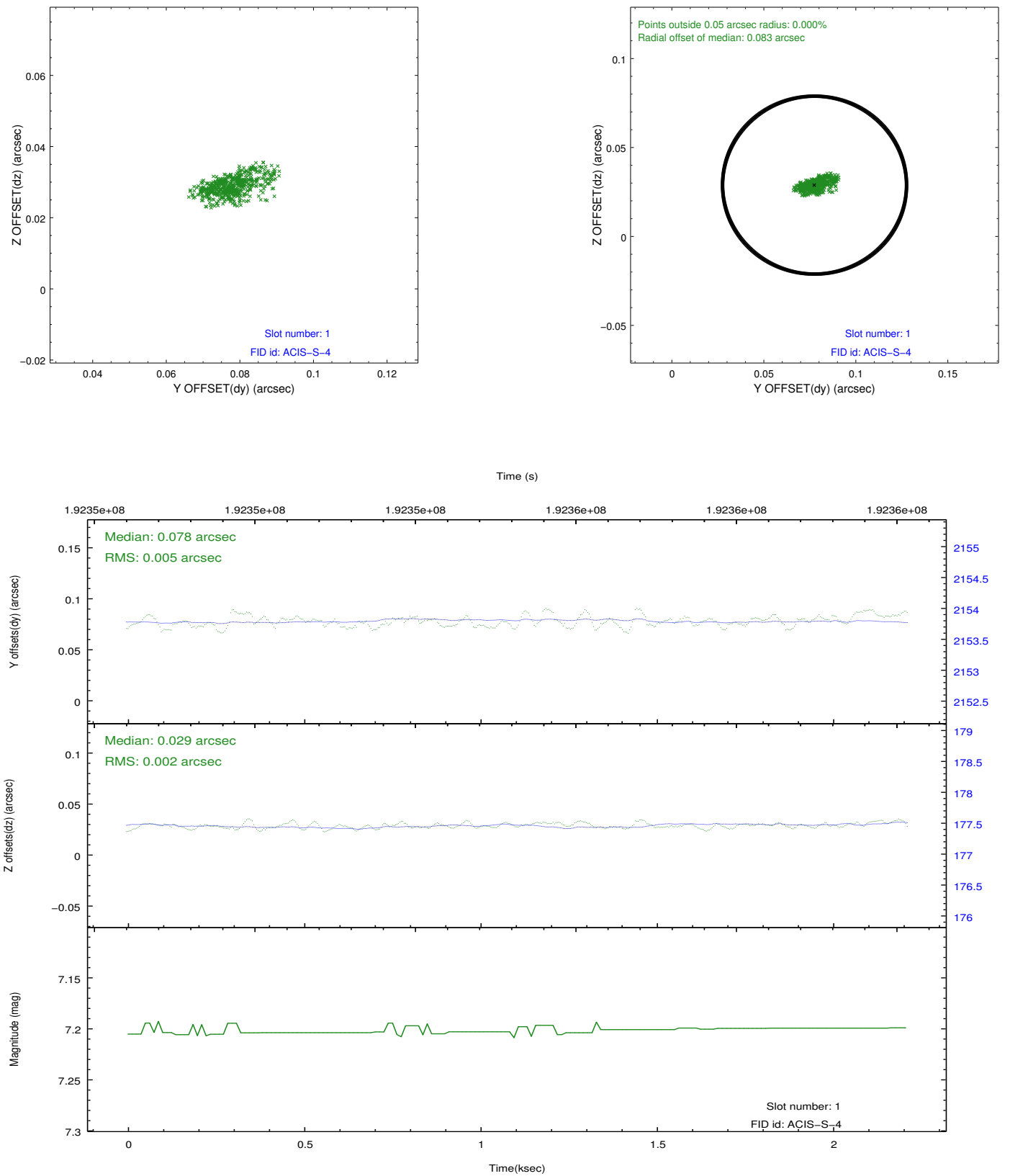


## 2.5 FID Slots

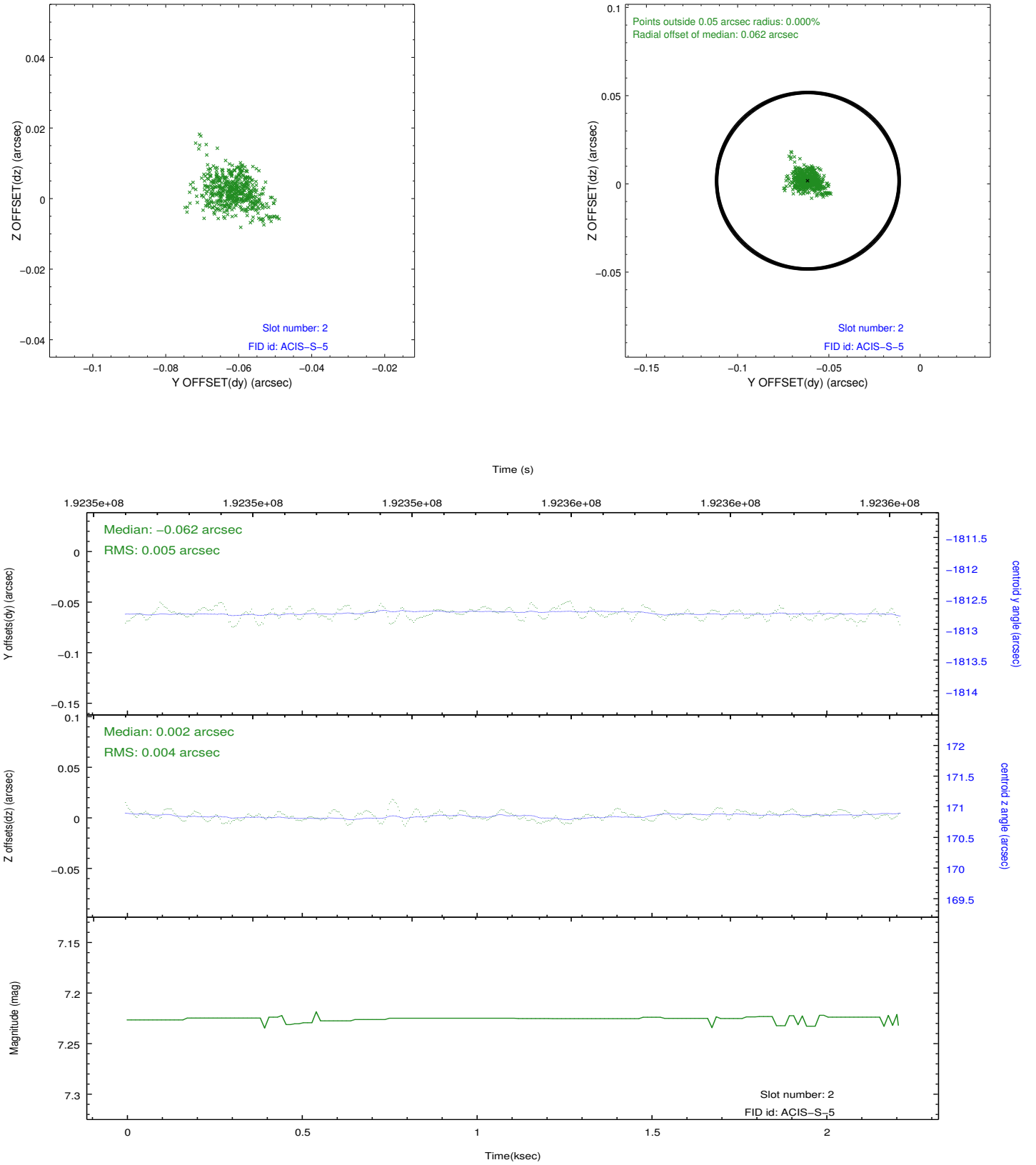
### 2.5.1 Slot 0



## 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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.211

### A.2 Comments