

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11003 - L2 Version 2  
Chandra X-Ray Center

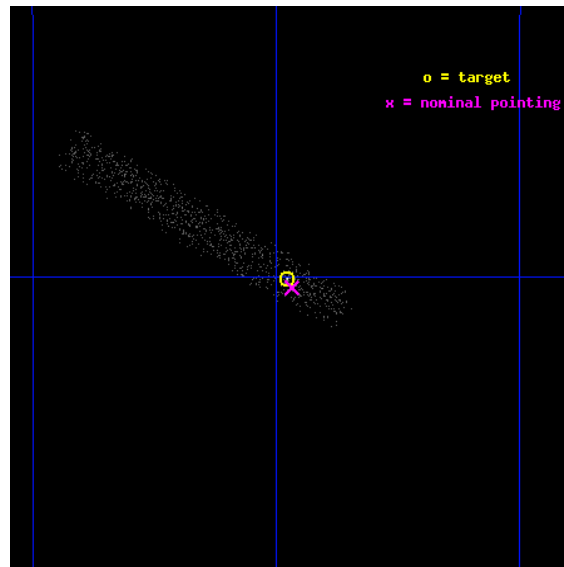
L2 Processing Date : Jun 30 2012

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# 1 Front

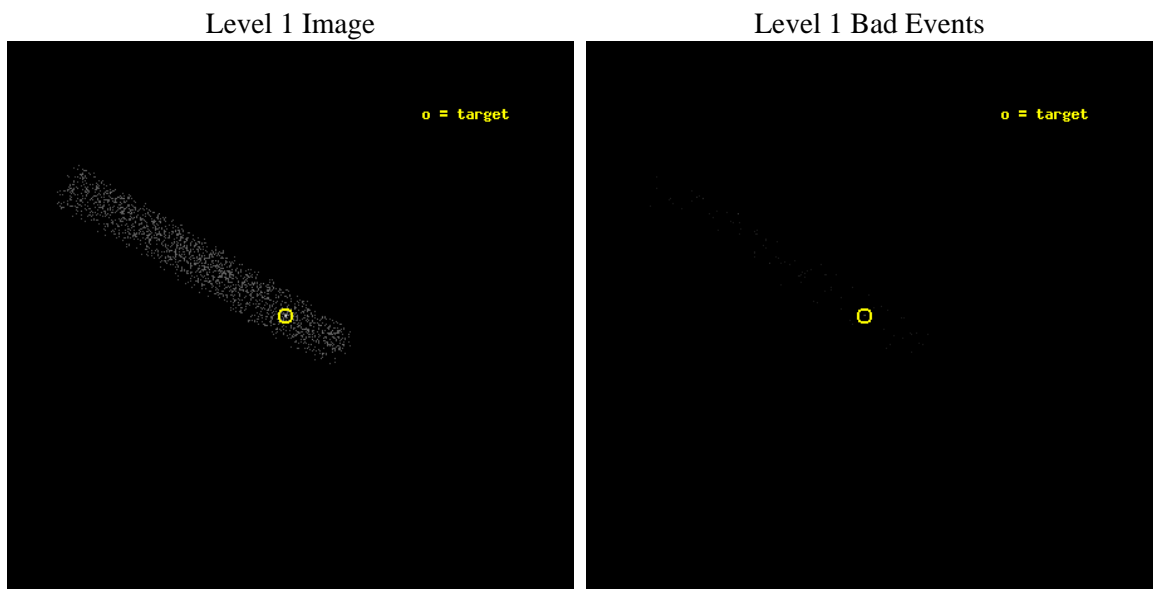
seq_num	200634	Sequence number
obs_id	11003	Observation id
title	NeII as a Tracer for X-Rays in Disks Around T Tauri Stars	Proposal
observer	Prof. Manuel Guedel	Principal investigator
object	TWA 6	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.619583	Observer's specified target RA [deg]
dec_targ	-31.834139	Observer's specified target Dec [deg]
ra_nom	154.61704563889	Nominal RA [deg]
dec_nom	-31.838163441178	Nominal Dec [deg]
roll_nom	210.73118159304	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1709.9998980761	Sum of GTIs [s]
livetime	1550.8796463596	Livetime [s]
ontime7	1709.9998980761	Sum of GTIs [s]
l2events	1505	Number of level 2 events



## 2 OBI

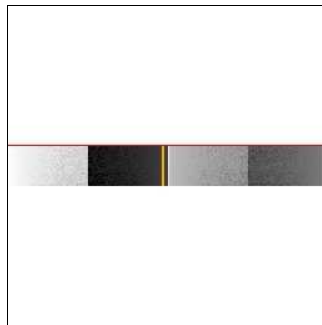
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1709.9998980761	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime7	1709.9998980761	Sum of GTIs [s]
date	2012-07-01T01:45:13	Date and time of file creation	l1events	2598	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

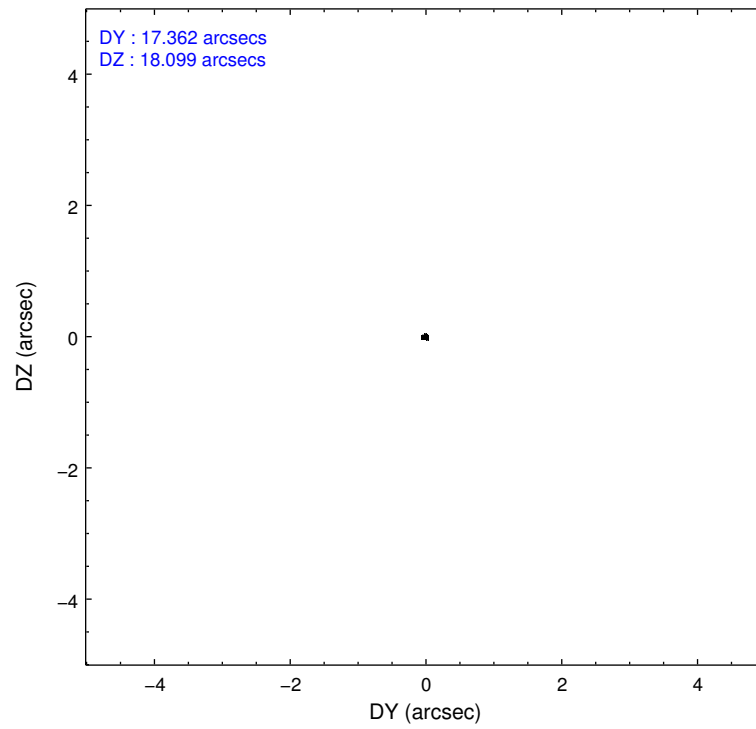
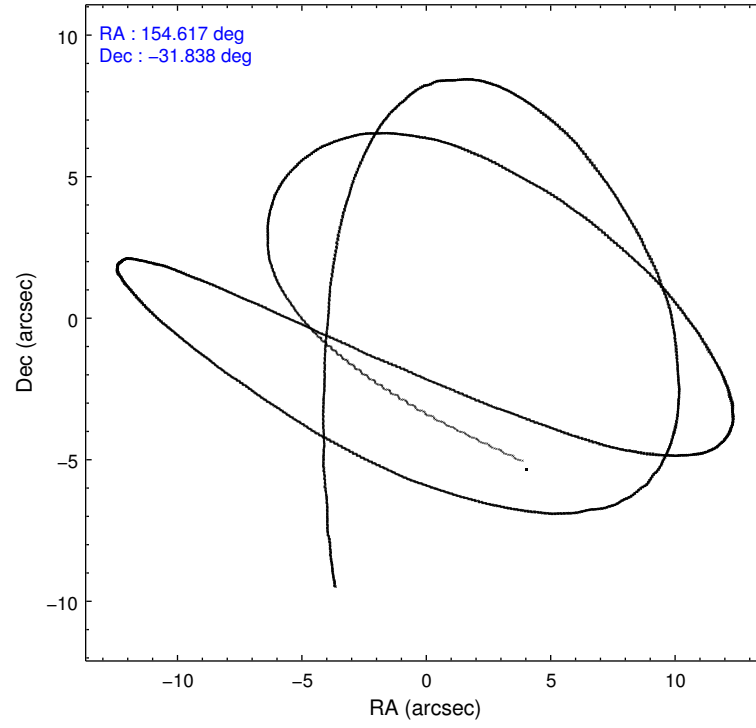
	<b>ccd 7</b>
level 1 events	2598
rejected events	1041
rejected %	40%

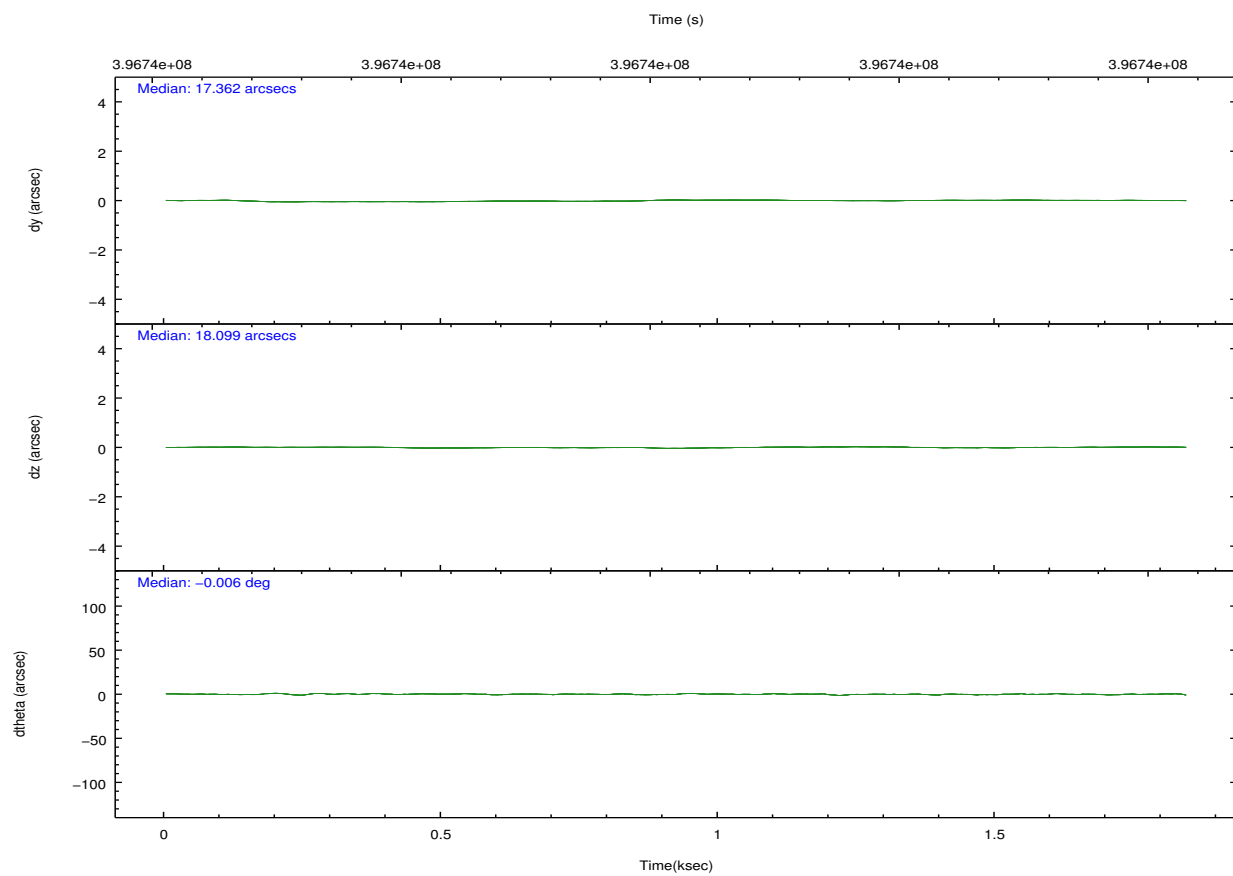
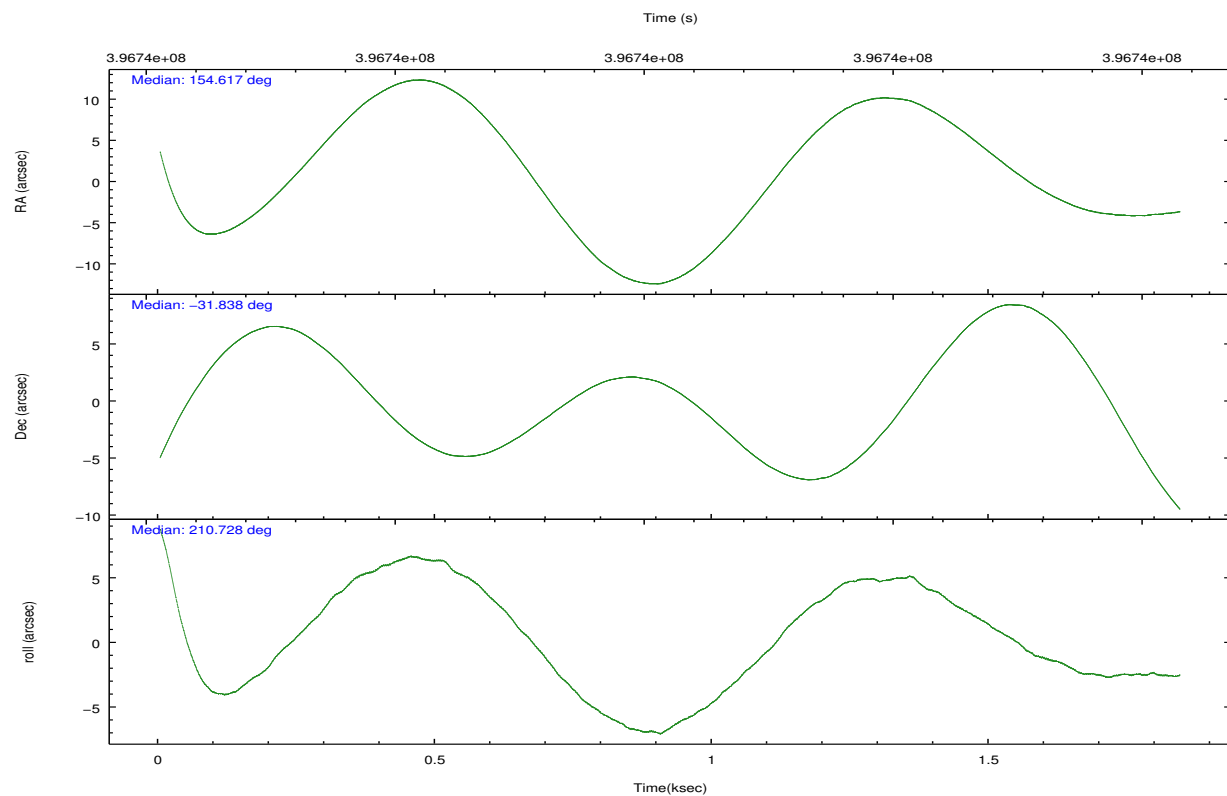
	<b>ccd 7</b>
grade 0 events	266
	10%
grade 1 events	2
	0%
grade 2 events	370
	14%
grade 3 events	206
	7%
grade 4 events	190
	7%
grade 5 events	237
	9%
grade 6 events	525
	20%
grade 7 events	802
	30%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	154.632280	154.6170456388857	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-31.814399	-31.83816344117824	Subarray start row	449	449
[deg] Pointing Roll	210.582566	210.731181593043	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	396742771.184000	396741476.76683			
Observation start date	2010-07-28T22:18:25	2010-07-28T21:57:56			
[s] Observation end time (MET)	396744471.184000	396745774.07955			
Observation end date	2010-07-28T22:46:45	2010-07-28T23:09:34			
Read mode	TIMED	TIMED			

## 2.3 Aspect





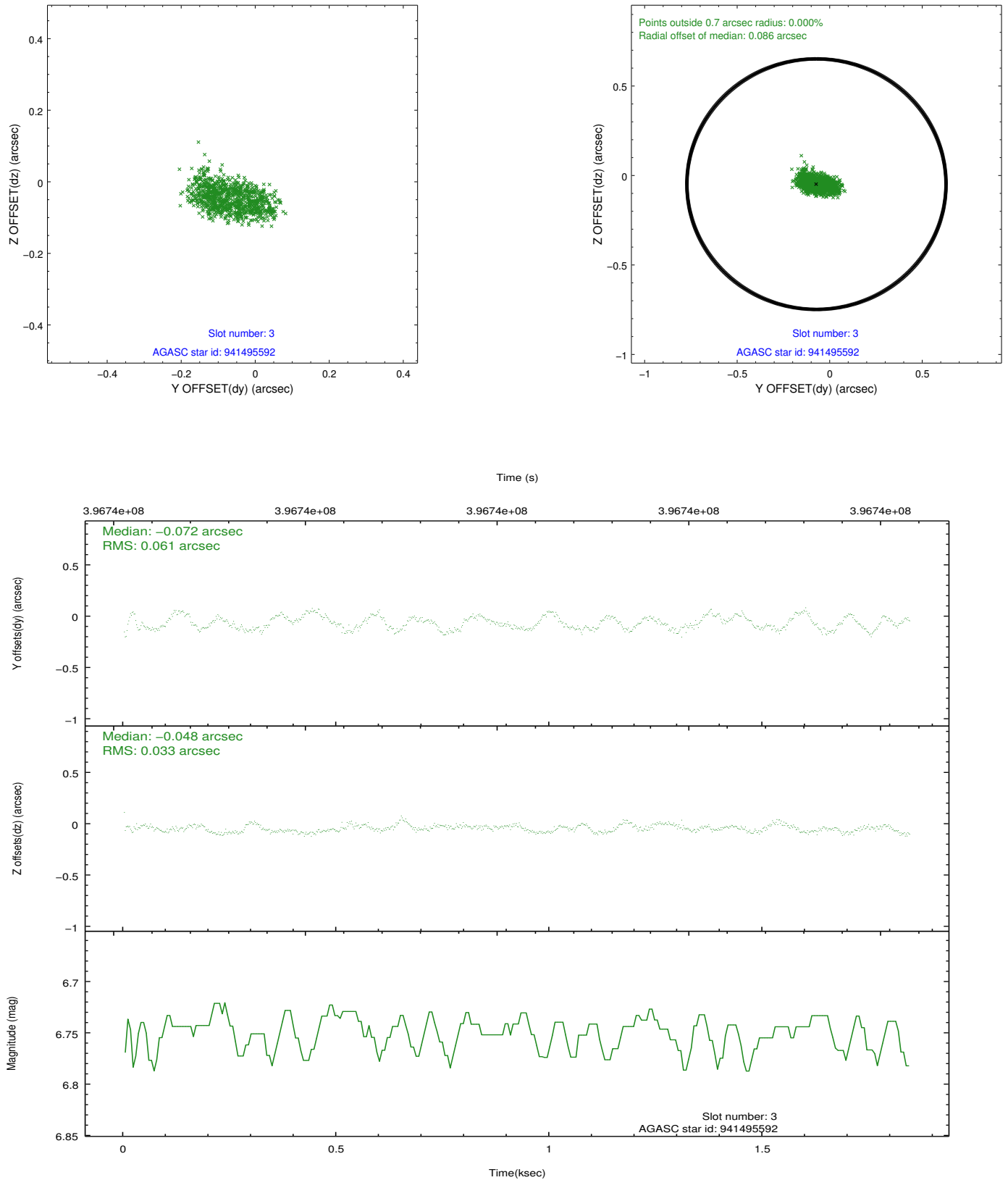
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	450	0.113	-0.053	0.006	0.011	0.000000	0.000000	925.77	-1735.18
1	FID	ACIS-S-5	6.99	450	-0.126	0.093	0.006	0.012	0.000000	0.000000	-1821.50	158.81
2	FID	ACIS-S-6	7.10	450	-0.008	-0.028	0.006	0.011	0.000000	0.000000	387.31	806.69
3	GUIDE	941495592	6.75	900	-0.072	-0.048	0.074	0.117	155.142146	-31.813671	-1340.50	793.95
4	GUIDE	941498728	9.09	900	0.393	0.180	0.085	0.133	154.683751	-31.760277	-235.00	-85.71
5	GUIDE	941501968	7.36	897	-0.029	0.029	0.073	0.109	154.913549	-30.995665	-2245.64	-2094.56
6	GUIDE	942031688	6.54	900	-0.193	-0.049	0.046	0.078	153.961373	-32.176223	2424.16	85.08
7	GUIDE	942025016	7.01	899	-0.109	-0.118	0.077	0.112	154.658646	-32.538329	1260.45	2285.01

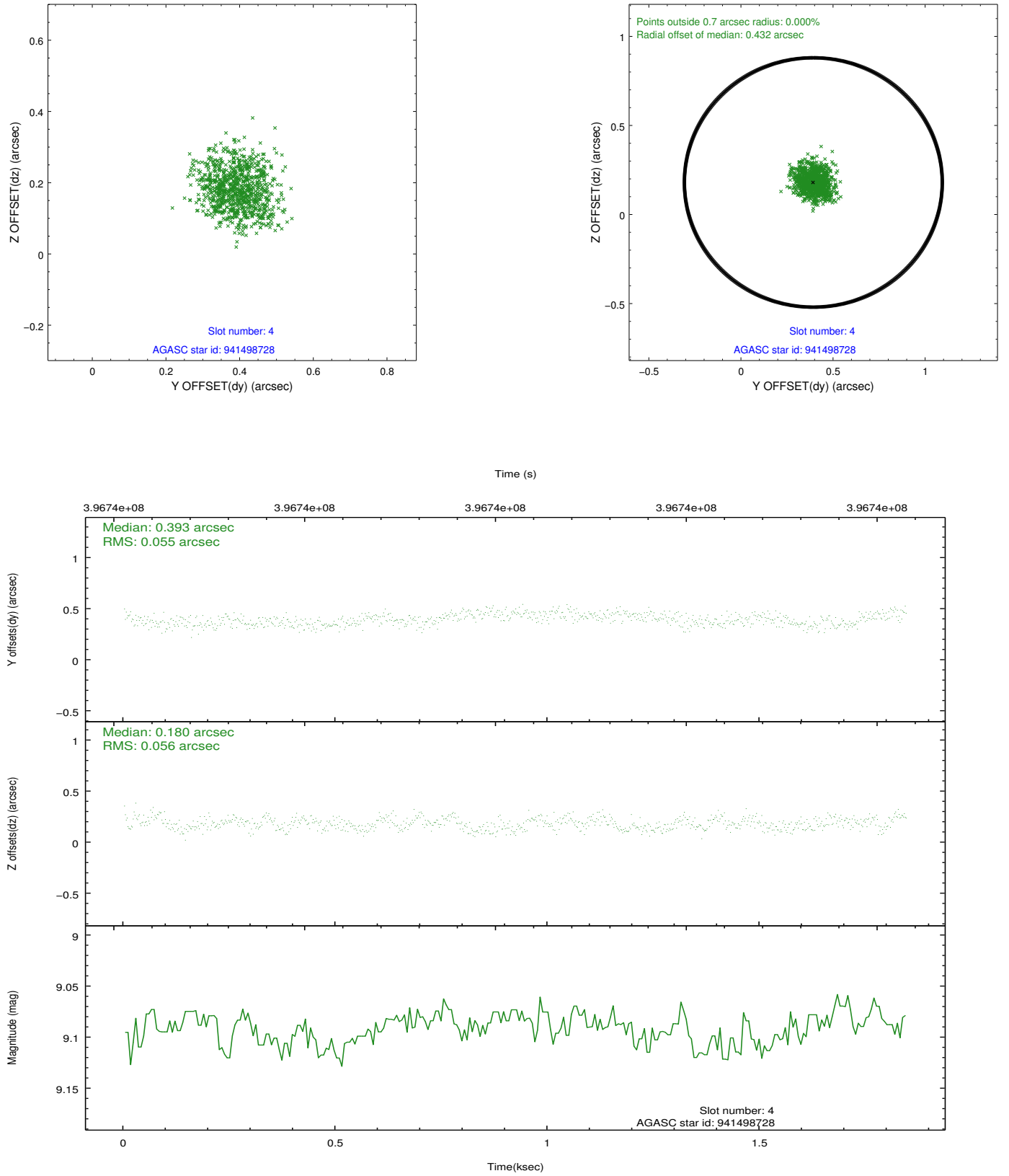


## 2.4 Star Slots

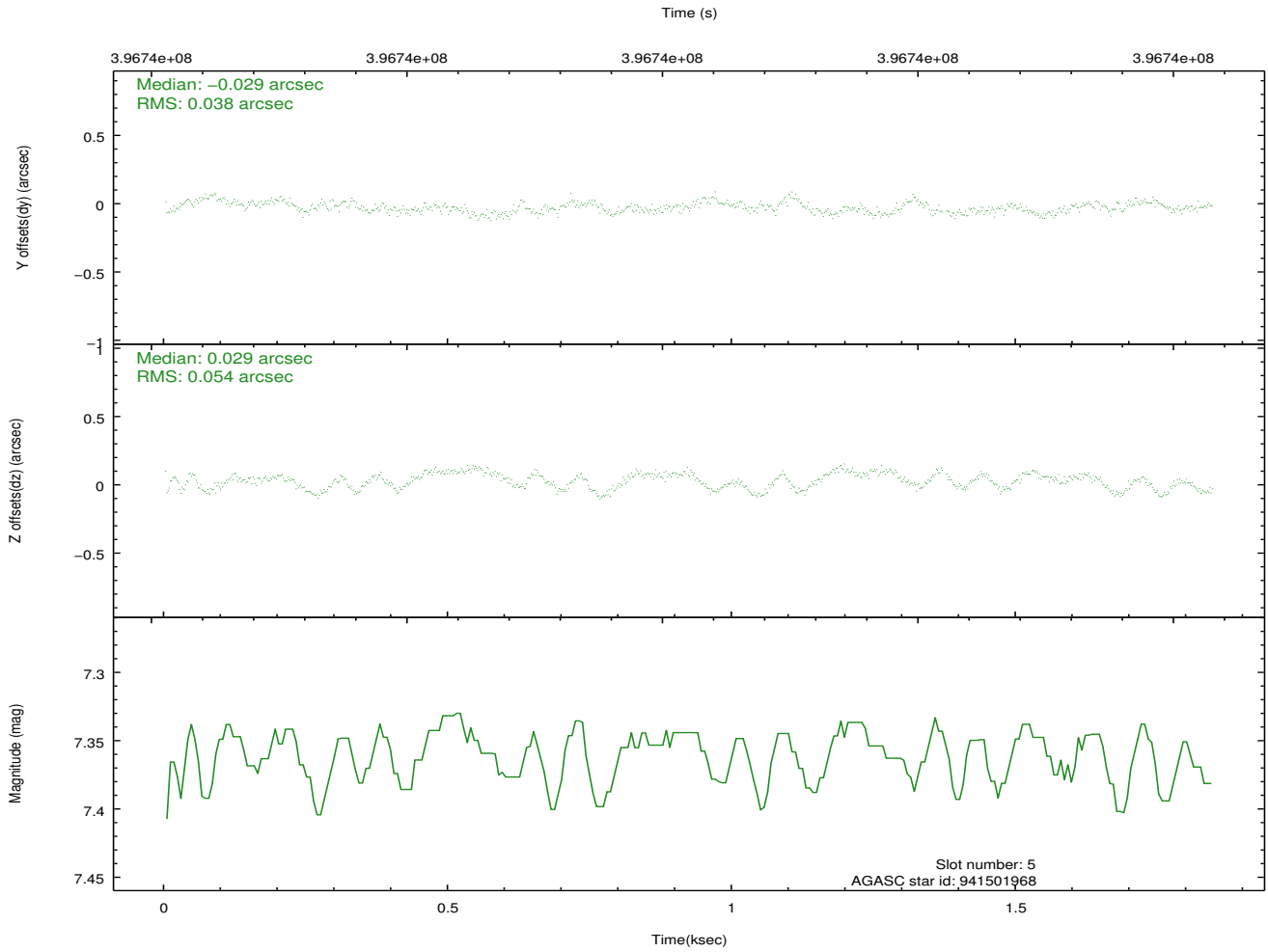
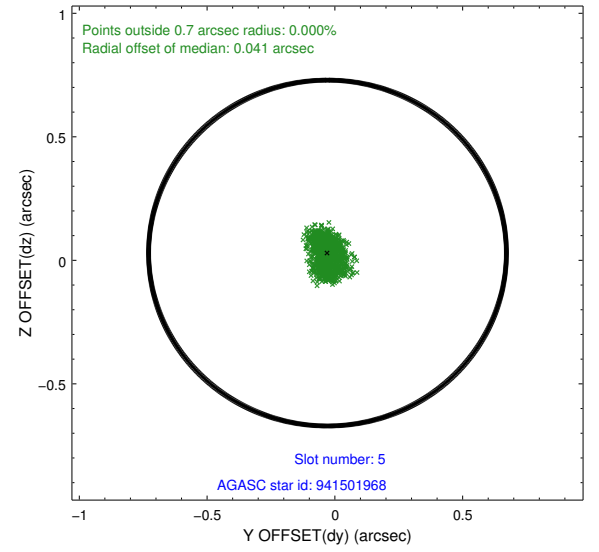
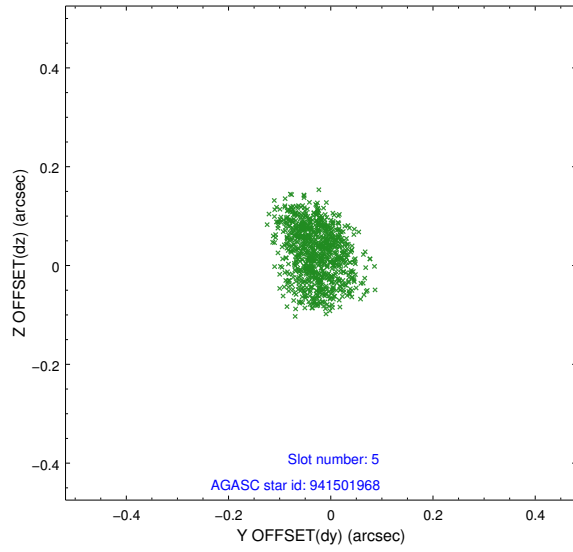
### 2.4.1 Slot 3



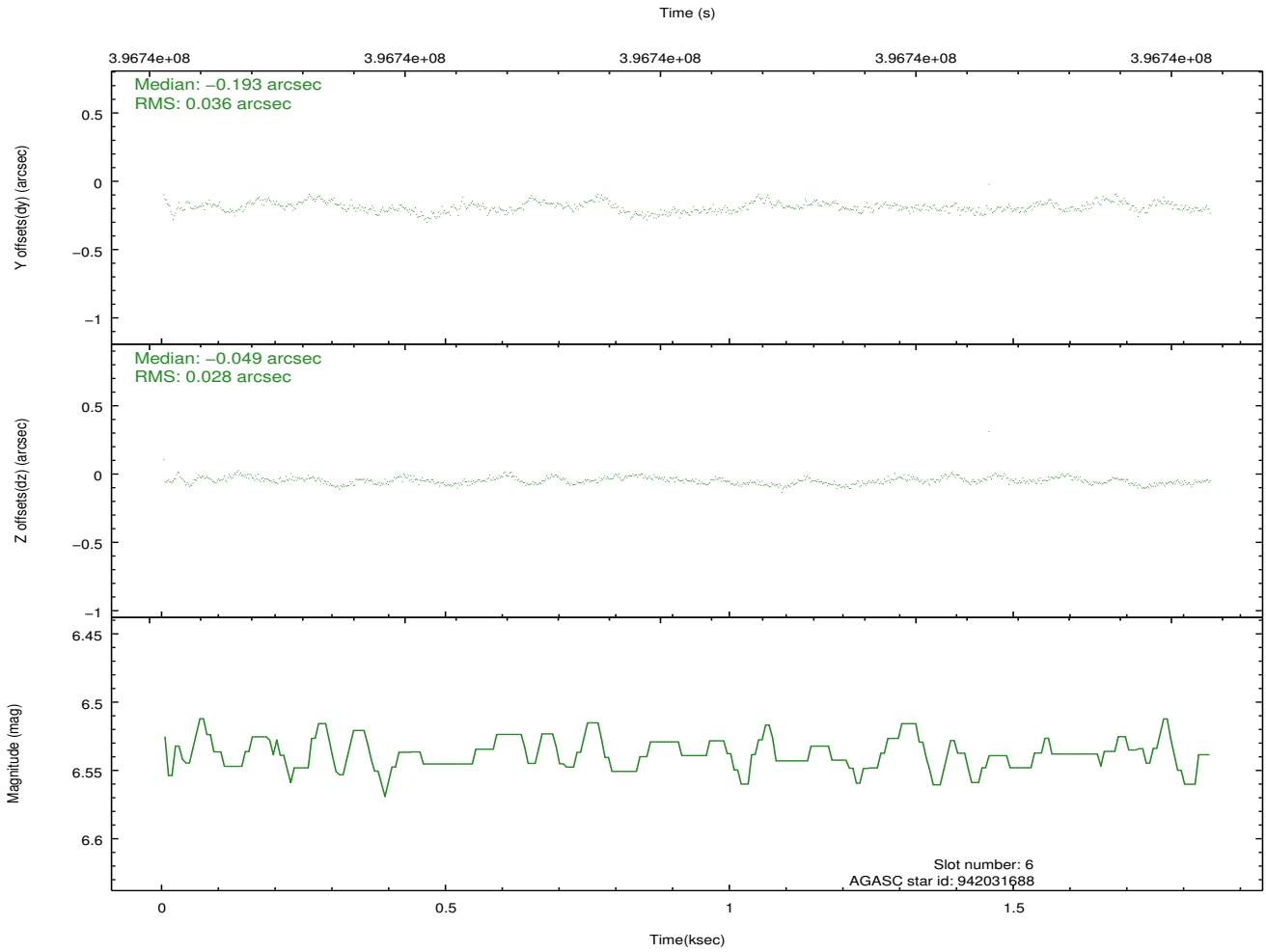
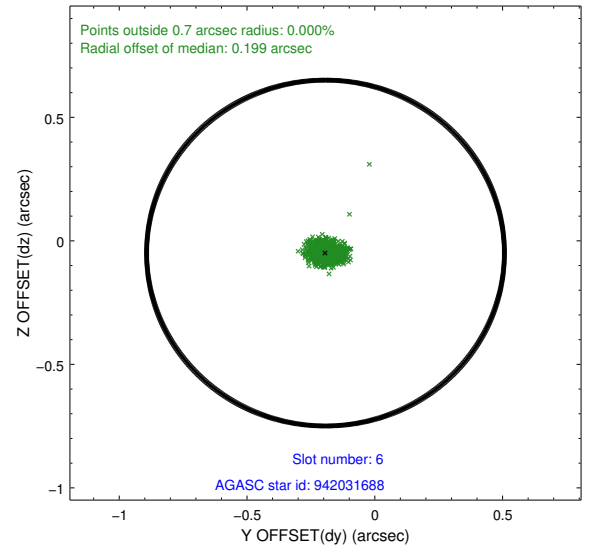
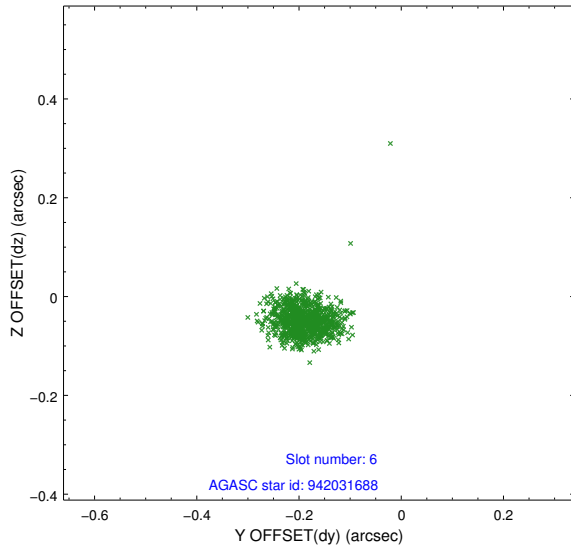
## 2.4.2 Slot 4



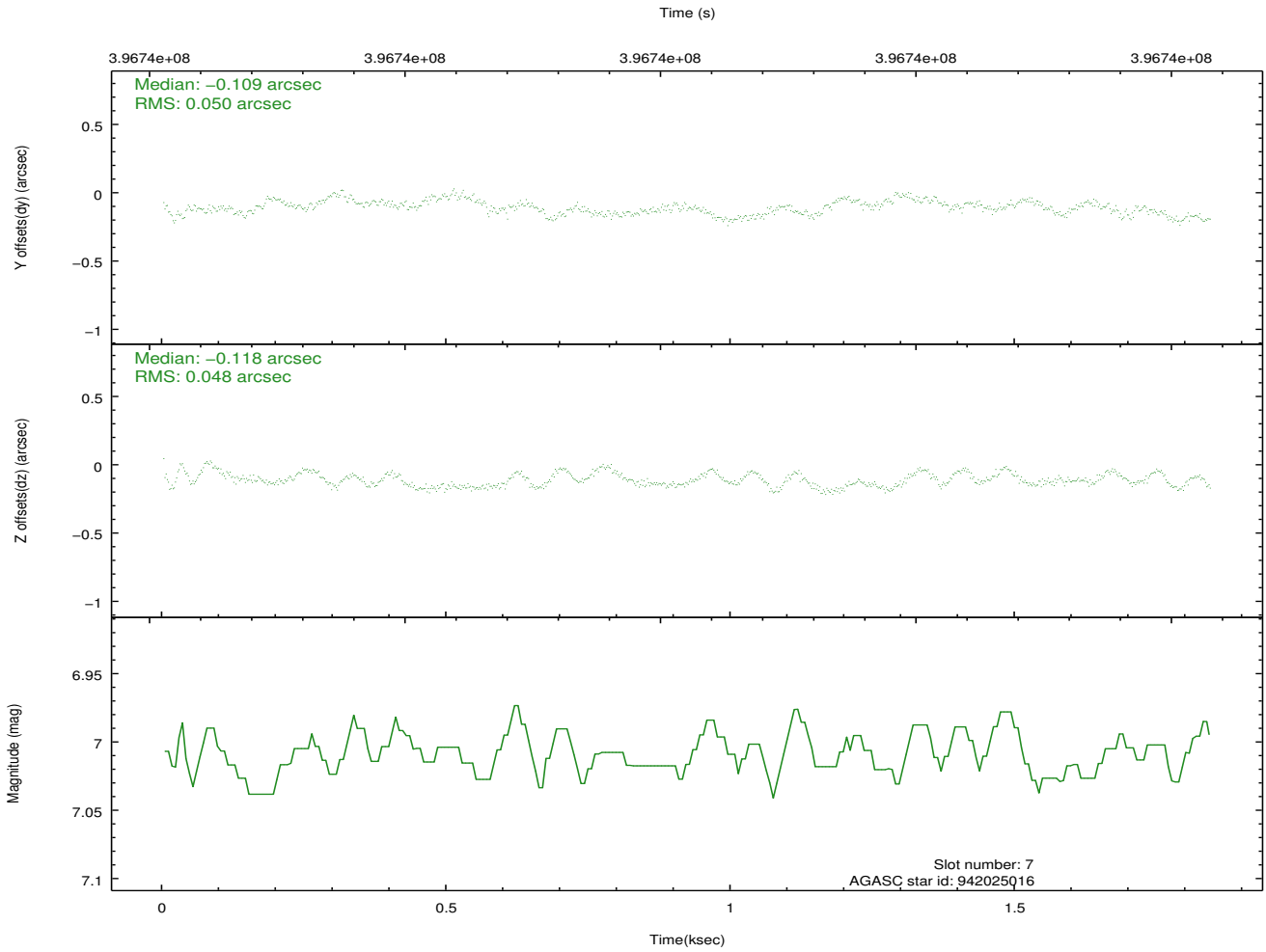
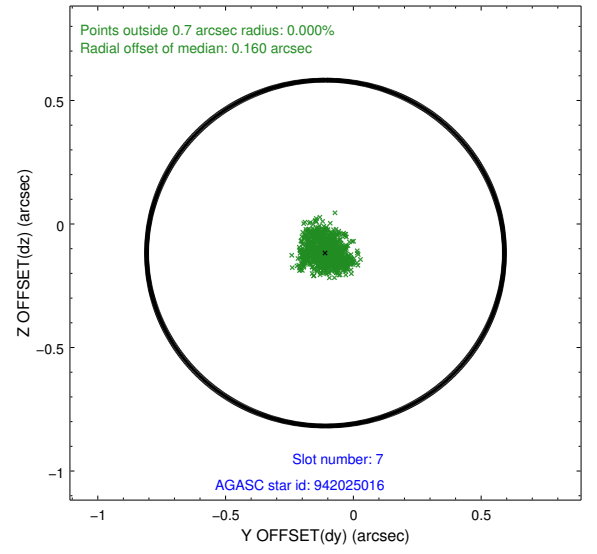
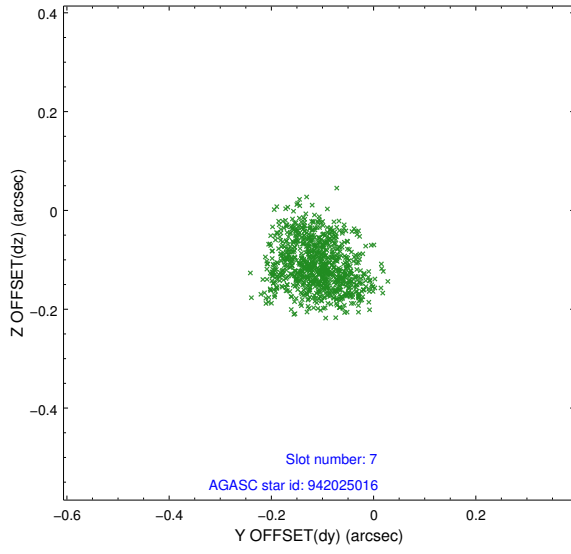
### 2.4.3 Slot 5



## 2.4.4 Slot 6

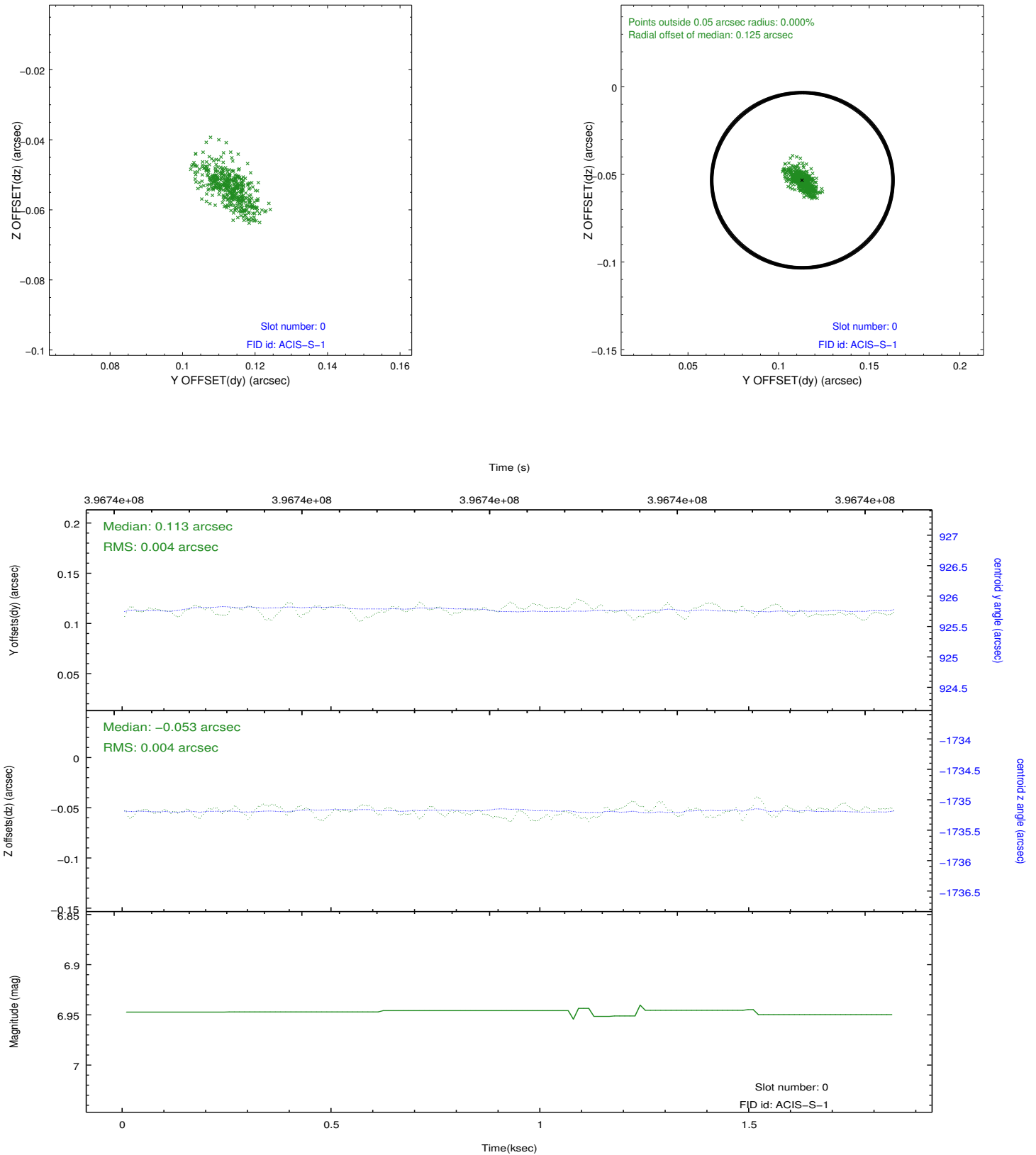


## 2.4.5 Slot 7

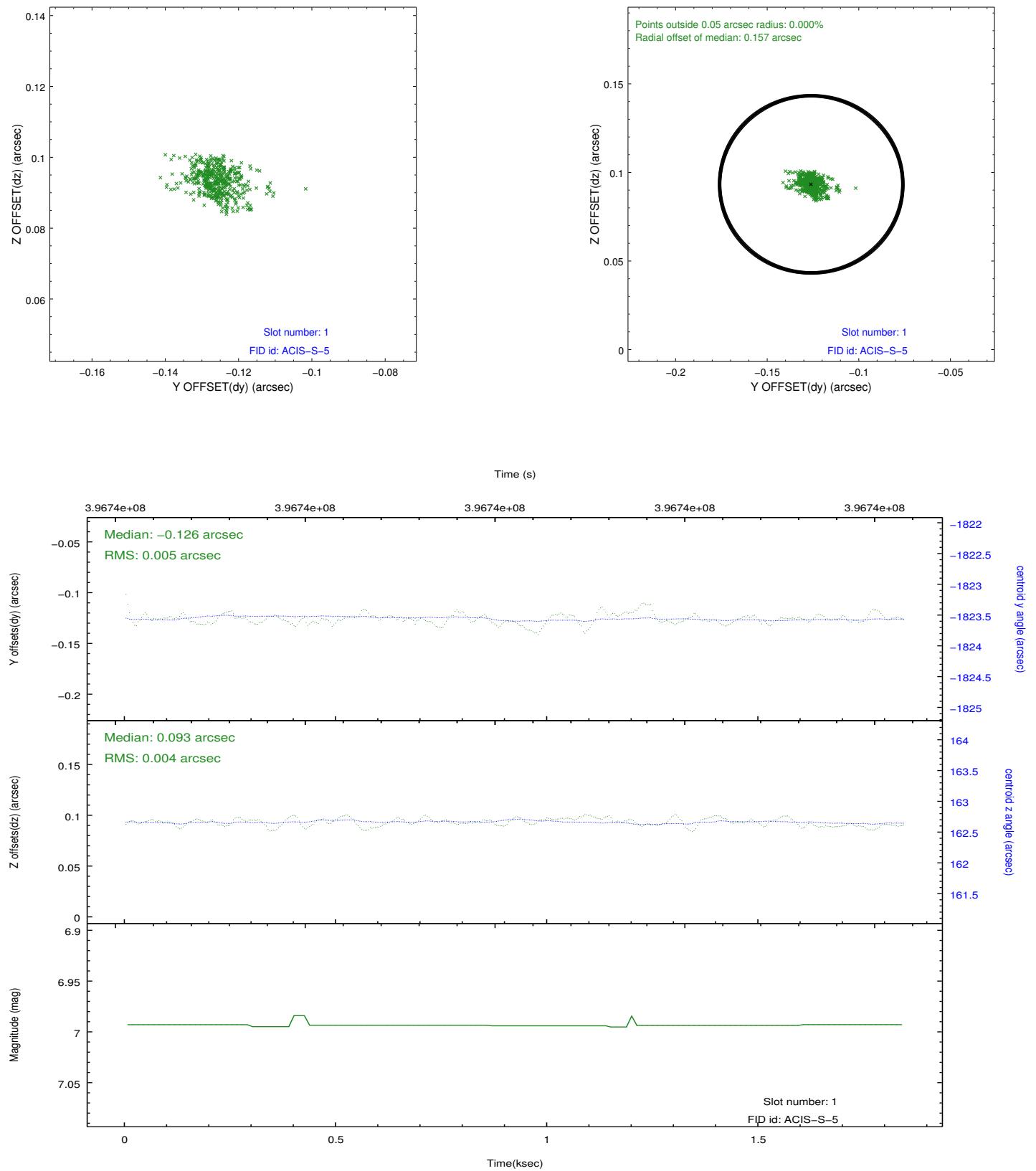


## 2.5 FID Slots

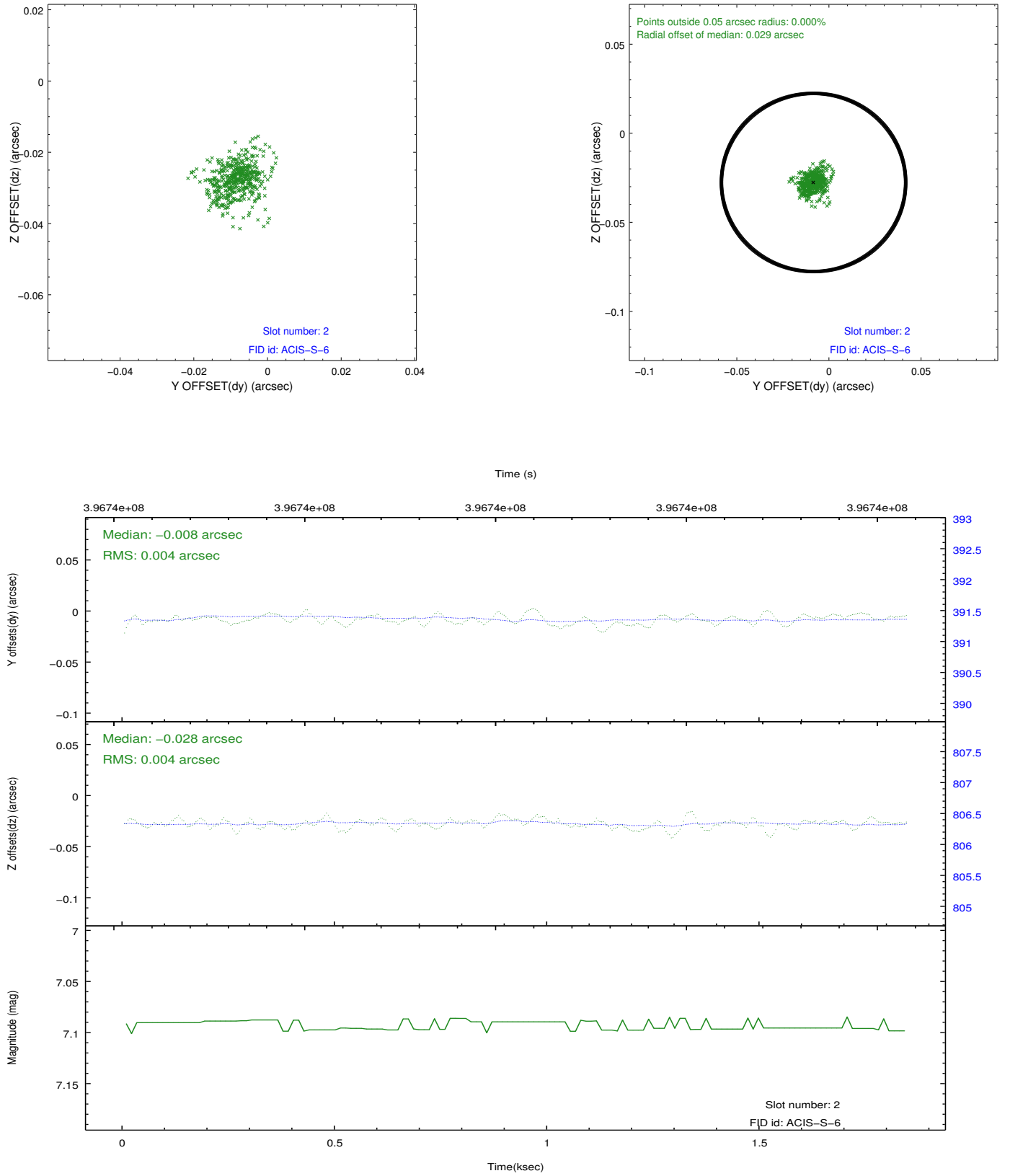
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.7099998980761

### A.2 Comments