

AIRCRAFT ACCIDENT PACKAGE

PHX-ATCT-0139

N613TV/N215TV, AS35

July 27, 2007, 1946 UTC

Destroy: January 27, 2010 UTC

PHX-ATCT-0139
N613TV/N215TV

SECTION 1.
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PHX-ATCT-0139
N613TV/N215TV

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PHX-ATCT-0139
N613TV/N215TV

SECTION 2.
Certification



Federal Aviation Administration

Memorandum

Date: SEP 14 2007

To: Carol A. Might, Acting Director, System Operations Litigation
mmg
[REDACTED]

From: J. Mark Reeves, Director, ATO Western Service Area

Subject: INFORMATION: Certification Statement
Aircraft Accident: N613TV/N215TV
Phoenix, AZ, July 27, 2007

I hereby certify that Air Traffic Aircraft Accident Package, PHX-ATCT-0139, has been reviewed, and it is complete and accurate.



Federal Aviation Administration

Memorandum

Date: September 13, 2007

To: J. Mark Reeves
Service Center Director, Western Service Area

From: *GFS* Gregory F. Smith
Manager, Phoenix Sky Harbor Airport Traffic Control Tower

Subject: **INFORMATION**: Certification Statement
Aircraft Accident, N613TV/N215TV
Phoenix, AZ, July 27, 2007

I hereby certify that Air Traffic Aircraft Accident Package, PHX-ATCT-0139, has been reviewed, and is complete and accurate.

PHX-ATCT-0139
N613TV/N215TV

SECTION 3.

FAA Form 8020-6, Report of Aircraft Accident, and FAA Form
8020-6-1, Report of Aircraft Accident (Continuation Sheets)



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

REPORT DATE
August 01, 2007

REPORT NO.
PHX-ATCT-0139

REPORT OF AIRCRAFT ACCIDENT

NAME OF REPORTING FACILITY
Phoenix Sky Harbor (PHX) ATCT

1. AIRCRAFT IDENTIFICATION AND TYPE N613TV/N215TV, AS50	2. DATE/TIME OF ACCIDENT (GMT) July 27, 2007; 1946 UTC	3. LOCATION OF ACCIDENT PHX Sky Harbor Airport, AZ., 3.5 miles northwest from approach end runway two six, Phoenix, AZ
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4. NATURE OF ACCIDENT Midair collision	5. TYPE OF FLIGHT Local flight - No Flight Plan
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6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY
		Craig Smith	Pilot	Carefree, AZ		
	Scott Bowerbank	Pilot	Phoenix, AZ			X

7. PASSENGER DATA (If available, list names, addresses, extent of injuries and other information on continuation sheet.)	NUMBER ABOARD AIRCRAFT 2	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 2
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8. AIRCRAFT DAMAGE Destroyed	9. PROPERTY DAMAGE Unknown
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10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS
Normal

11. WEATHER DATA	CONDITIONS IN ACCIDENT AREA AT TIME OF ACCIDENT Phoenix Sky Harbor METAR Automated - 1245 MST: wind two seven zero at zero nine, gusts one five knots, visibility one zero statute miles, ceiling six thousand broken, one five thousand broken, two five thousand broken, temperature three six, dew point one eight, altimeter two nine nine one	
	REPORT JUST PRIOR TO ACCIDENT Phoenix Sky Harbor METAR Automated - 1240 MST: wind variable at five knots, visibility one zero statute miles, ceiling six thousand broken, one five thousand broken, two five thousand broken, temperature three five, dew point one eight, altimeter two nine nine one	DATE/TIME 7/27/2007 1940 UTC
	FIRST REPORT SUBSEQUENT TO ACCIDENT Phoenix Sky Harbor METAR Automated - 1250 MST: wind two eight zero at zero nine, gusts one five knots, visibility one zero statute miles, ceiling six thousand broken, one five thousand broken, two five thousand broken, temperature three six, dew point one eight, altimeter two nine nine one	DATE/TIME 7/27/2007 1950 UTC

12. ATIS PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION	CHECK IF EYEWITNESS
	David J. Tomczak *(DT)	PHX ATCT	LN LC	
	Eric V. Bowring (EB)	PHX ATCT	LN LC	
	Michael S. Imes (MI)	PHX ATCT	CIC CI	

*Operating Initials

13. SIGNATURE OF FACILITY MANAGER

 Gregory F. Smith

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT**
(Continuation Sheet)

REPORT DATE

July 30, 2007

REPORT NO.

PHX-ATCT-0139

NAME OF REPORTING FACILITY

Scottsdale (SDL) ATCT


14. CHRONOLOGICAL SUMMARY OF FLIGHT (Including control or other services provided by ATS facilities, and emergency action taken.)

July 27, 2007

**ALL TIMES BELOW ARE COORINDATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED**

- 1922 N215TV (Chopper 15) contacted Scottsdale ATCT with Automatic Terminal Information Service Quebec requesting a JAX departure to the west.
- 1923 Scottsdale ATCT advises N215TV (Chopper 15) to proceed.
- 1925 N215TV (Chopper 15) requests a frequency change. Scottsdale TWR approves.
- 1932 N613TV (TV3) contacted Scottsdale ATCT at Westcore requesting a JAX Greenway departure, a visual flight rules letter of agreement departure. Scottsdale TWR advised departure will be at your own risk and issued the current wind and altimeter.

No More Follows


 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE September 24, 2007	REPORT NO. PHX-ATCT-0139
	NAME OF REPORTING FACILITY Phoenix Sky Harbor (PHX) ATCT	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

July 27, 2007

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 1926 N215TV (Chopper15) contacted Local Control North (LN) for clearance into the Phoenix Class Bravo Airspace. LN radar identified and cleared N215TV (Chopper 15) into the Class Bravo via the Sharp Echo Letter of Agreement (LOA). N215TV (Chopper 15) advised that he was heading downtown at eighteen hundred feet to intercept the police chase. LN advised Chopper 15 that there was a Firebird 8 (Phoenix Police Department) helicopter about a mile and a half west of the Biltmore hotel at nineteen hundred feet. Chopper 15 advised the Firebird 8 helicopter was in sight. Firebird 8 pilot advised he copied the transmissions.
- 1928 N215TV (Chopper 15) advised he had the Firebird 8 helicopter in sight and was talking to him on the other frequency. LN acknowledged and advised N215TV (Chopper 15) that there was another helicopter two miles north of his position also inbound but that he was not talking to him yet. N215TV (Chopper 15) acknowledged and advised LN that it was Sky 12 (another news gathering helicopter) and he would be calling the tower in a second.
- 1929 Sky 12 requested to enter the Class Bravo via Sharp Echo and advised he had N215TV (Chopper 15) and Firebird 8 in sight. LN cleared Sky 12 into the Class Bravo via Sharp Echo.
- 1930 Sky 12 advised that for traffic avoidance he was going up to twenty five hundred feet.
- 1935 Newshawk 5 reported coming up on Piestewa Peak at two thousand two hundred with Automated Terminal Information Service information Kilo and requested to enter the Class Bravo via Sharp Echo LOA and operate with the other helicopters. LN radar identified Newshawk 5, cleared her into the Class Bravo via Sharp Echo and advised that there were three helicopters out there and would provide her with their call signs if requested. Newshawk 5 advised she had Firebird 8, Sky 12 and N615TV (Chopper 15) in sight and that she thought another helicopter (N613TV, TV3) was behind her and that they would be on 120.2.
- 1936 N613TV (TV3) called LN and advised he was west of Piestewa Peak and requested clearance into Class Bravo via Sharp Echo where the other helicopters were. LN radar identified and cleared N613TV (TV3) into the Class Bravo via Sharp Echo and advised that there were three helicopters on site of the police chase and that Newshawk 5 was a mile ahead of him.
- 1937 N613TV (TV3) advised he had Newshawk 5 in sight and a couple of others in sight as well.

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE September 24, 2007	REPORT NO. PHX-ATCT-0139
	NAME OF REPORTING FACILITY Phoenix Sky Harbor (PHX) ATCT	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

- 1944 Skyfox 10 requested to enter the Class Bravo via Sharp Echo with the other news gathering helicopters. LN radar identified Skyfox 10 and cleared him into Class Bravo via Sharp Echo. LN advised that there were five helicopters on site and another one passing his nose but no longer on tower frequency.

- 1945 Skyfox 10 advised he had that helicopter in sight and was talking to the other ones.

- 1946 Skyfox 10 advised LN that there had just been a midair collision over at the park and that two helicopters were down. LN acknowledged.

- 1947 LN asked Skyfox 10 if he knew which two were down. Skyfox 10 reported that it looked like N613TV (TV 3) and he was not sure about the other one but possibly N215TV (Chopper 15). LN acknowledged and asked Firebird 8 if he would be staying in the area.

- 1948 LN attempted to contact Chopper 15 and then asked Sky 12 if he had any idea what the call signs were of the two that were down. Sky 12 advised that it was N215TV (Chopper 15) and N613TV (TV3).

No More Follows

PHX-ATCT-0139
N613TV/N215TV

SECTION 4.
Normal Service Statement and Certified Indexes



Federal Aviation Administration

Memorandum

Date: July 30, 2007

To: Gregory F. Smith: Manager, Phoenix Sky Harbor Airport Traffic Control Tower

From: Steven B. Morris: Manager, Scottsdale Airport Traffic Control Tower

Subject: INFORMATION: Normal Services Statement
Aircraft Accident: N613TV/ N215TV
Phoenix, AZ., July 27, 2007

All Services provided by Scottsdale Air Traffic Control Tower were normal, and there were no pertinent transmissions.

Attachments

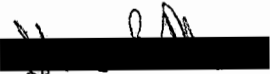
PHX-ATCT-0139
N613TV/ N215TV

CERTIFIED INDEX

July 30, 2007

I hereby certify that the following originals are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6-1
Personnel Log
Personnel Statements
Original Voice Recording
Certified Cassette Re-recording(s)


Steven B. Morris
Manager, Scottsdale ATCT
Scottsdale ATCT

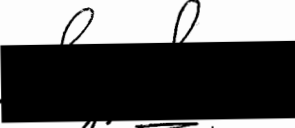
PHX-ATCT-0139
N613TV/N215TV

CERTIFIED INDEX

August 27, 2007

I hereby certify that the following originals are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
FAA Form 8020-3
FAA Form 8020-26
Personnel Log
Original Voice Recording
Certified Re-recordings
Facility Layout Chart
Continuous Data Recording (CDR)
Transcription of Voice Recording


Gregory F. Smith
Manager, Phoenix Sky Harbor ATCT

PHX-ATCT-0139
N613TV/N215TV

SECTION 5.
FAA Form 7230-4, Daily Record of Facility Operation

U.S. Department of Transportation
Federal Aviation Administration

Daily Record of Facility Operation

Date 7/27/2007

Location	Identification	Type Facility	Operating Position	Checked By
PHOENIX, AZ	PHX	LRAC	OS	Air Traffic Manager GREGORY F SMITH <i>GS</i>

Time (UTC)	REMARKS
0700	R. MAYFIELD on, WEST FLOW, WIND 34004, CFPL: RWY 25R CLSD, TWY E CLSD E3-E5, FD/CD POSITION 118.1. TRANSMISSIONS FROM AC GENERALLY WEAK AND UNREADABLE. (BLIND SPOT) 120.9 RECEIVER, INTERMITTED @ HOTEL 1. POCC/LCL AF NTFD. TED BROKEN AT PSN 106 WILL NOT STAY UP. POCC NTFD. RWY 7R/25L CLSD. RWY 7R DME RTS. SPEAKER KNOB ON LS LOOSE .
1230	RWY 25R OPEN.
1254	J MCMAHON ON, WCLC.
E 1304	RWY 7R DME RTS.
1500	TWR/P50 SHIFT PLAN COMPLETE.
1501	DATE STAMP/AEC COMPLETE.
1551	AIRFIELD LIGHTING RELEASED TO CITY.
Q 2030	T. JONES ON. WCLC. DELAYED ENTRY FOR 1950Z: QAR: 2 HELICOPTERS, CHOPPER 15 & TV3, COLLIDED AND CRASHED NEAR 3RD STREET AND INDIAN SCHOOL ROADS (3 NW OF PHX). RDO NOTIFIED, ADMIN PERSONNEL MAKING NOTIFICATIONS. QAR OPEN.
2336	SHIFT PLANNING SUMMARY W/P50 COMPLETE.
E 0222	WHEN TRANSMITTING ON CD POSITION (118.1) AND GCN POSITION (119.75), THE FREQUENCIES WILL SOMETIMES KEY WITH SIDE TONE BUT WILL NOT TRANSMIT
0239	EAST FLOW. WIND 11009.
0500	RWY 7L CLSD.
0522	TWY E CLSD WEST OF E5.
	<i>LATE ENTRY: 2030 QAR PHX IS A DVKS/STARS FACILITY. BS</i>
<i>0659</i>	<i>COB BS</i>

I CERTIFY that entries above are correct; that all scheduled operations have been accomplished, except as noted, and that all abnormal occurrences and conditions have been recorded.

Watch Supervisor(s) <i>Signature</i>	Watch Supervisor(s) <i>Signature</i>	Watch Supervisor(s) <i>Signature</i>
<i>[Redacted Signature]</i>		

PHX-ATCT-0139
N613TV/N215TV

SECTION 6.
Personnel Logs



Federal Aviation Administration

Memorandum

Date: July 31, 2007

To: Accident File, PHX-ATCT-0139

From: *GFS* Gregory F. Smith, Manager, Phoenix Airport Traffic Control Tower

Subject: Personnel Log

Due to the limitations of the Cru-ART software, the following personnel were not available for duty on July 27, 2007:

Leigh Bagnall (LB)
John Bartimoccia (JB)
Bill Gentile (BG)
Steven Blaine Jones (YR)
Verne Latham (VE)
Pamela Mitchell (PC)
Tim Morgan (TM)
Joe Stawash (JS)
Ron Wagner (WR)
Sharon White (WY)
Richard Wayne (WE)
Leticia Flores (LT)
Miles Herder (SM)

ART - Sign On Log

8/2/2007 1:59:43 PM

PHX

Selected Report Dates: 7/26/2007 10:00:00 PM - 7/27/2007 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN-IN	SIGN-OUT	LV	OJT	CIC	TOS
EB	BOWRING, ERIK V.	05:30-13:30/R	05:30:00	15:20:00				1+50
	REMARKS							
DC	CUNNINGHAM, DANIEL	05:30-13:30/R	05:30:00	14:00:00				0+30
	REMARKS							
JJ	JOHNSTON, JERRY L.	05:30-13:30/R	05:30:00	12:00:00	1+30			
	REMARKS							
JK	KRASNOVSKY, JOHN P.	05:30-13:30/R	05:30:00	13:30:00				
	REMARKS							
SL	LYNCH, STEVEN P.	05:30-13:30/R	05:30:00	13:30:00				
	REMARKS							
JM	MCMAHON, JAMES E, III	05:30-13:30/R	05:30:00	16:00:00				2+30
	REMARKS							
ST	MITCHELL, STEVEN M	05:30-13:30/R	05:30:00	13:30:00				
	REMARKS							
DT	TOMCZAK, DAVID J.	05:30-13:30/R	05:30:00	13:30:00				
	REMARKS							
DA	ABRAHAM, DEAN M	05:35-13:35/R	05:35:00	12:05:00	1+30			
	REMARKS							
AA	AQUINO, ANTHONY J	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
GL	LOGELIN, GARY E	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
DM	MILLER, DAVID L	06:00-14:00/R	06:00:00	14:00:00	8+0			
	REMARKS							
DJ	SIMONS, DARCY	06:00-14:00/R	06:00:00	14:00:00				
	REMARKS							
SS	STEELE,	06:00-14:00/R	06:00:00	12:30:00	1+30			
	REMARKS							
MC	CRAWFORD, MICHAEL	06:30-14:30/R	06:30:00	14:30:00			1+3	

PHX

Selected Report Dates: 7/26/2007 10:00:00 PM - 7/27/2007 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
	REMARKS							
MP	PEARSON, MICHAEL W.	06:30-14:30/R	06:30:00	14:30:00	8+0			
	REMARKS							
XX	TAYLOR,	06:30-14:30/R	06:30:00	14:30:00				
	REMARKS							
YG	YOUNG, JAYSON D	06:30-14:30/R	06:30:00	14:30:00				
	REMARKS							
EO	PALMER, STEPHEN E.	11:00-19:00/R	11:00:00	18:00:00	1+0			
	REMARKS							
CY	CONNOLLY, JOHN E	12:00-16:00/T	12:00:00	13:45:00				1+45
	REMARKS							
CR	KESLER,	12:00-20:00/R	12:00:00	20:00:00				
	REMARKS							
WY	WHITE, SHARON Y.	12:00-20:00/R	12:00:00	20:00:00				
	REMARKS							
LC	BUENTELLO, PEDRO	12:30-20:30/R	12:30:00	20:30:00				
	REMARKS							
MI	IMES, MICHAEL S	12:30-20:30/R	12:30:00	17:17:00	3+13			
	REMARKS							
JV	CORDER, JOYCE M	13:00-21:00/R	13:00:00	21:00:00				
	REMARKS							
FT	TIMME, FRANCIS L	13:00-21:00/R	13:00:00	21:00:00		1+37		
	REMARKS							
SO	SAMBRANO, SAMUEL J.	13:30-21:30/R	13:30:00	21:30:00				
	REMARKS							
TN	BLACK, RODNEY L	14:00-22:00/R	14:00:00	22:00:00				
	REMARKS							
TJ	JONES, TOBY D.	14:00-22:00/R	12:00:00	22:00:00				2+0
	REMARKS							
AE	GRIDLEY, JOSEPH A.	14:25-22:25/R	14:25:00	22:25:00		2+55		
	REMARKS							

PHX

Selected Report Dates: 7/26/2007 10:00:00 PM - 7/27/2007 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
EN	ERLANDSON, KARL G	14:30-22:30/R	13:00:00	22:30:00				1+30
	REMARKS							
SK	SHACK, STEVEN W	14:30-22:30/R	14:30:00	22:30:00				
	REMARKS							
CL	LEAVITT, CARMEN	15:00-23:00/R	15:00:00	23:00:00				
	REMARKS							
JJ	JOHNSTON, JERRY L.	21:45-05:45/R	21:45:00	05:45:00				
	REMARKS							
JK	KRASNOVSKY, JOHN P.	21:45-05:45/R	21:45:00	05:45:00				
	REMARKS							

PHX-ATCT-0139
N613TV/N215TV

SECTION 7.

FAA Form 7230-10, Position Logs, or automated equivalent

N613TV/N215TV Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	LN	LC	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00	NK	08:31	C		
08:32		12:29		LS	LC
12:30	SL	12:45	C		
12:46	DC	13:34	C		
13:35	MC	13:35	C		
13:36	MC	14:38	C		
13:36	XX	14:38	T		
14:39	SS	15:35	C		
15:36	DC	15:47	C		
15:48	JM	15:48	S		
15:49	DA	16:37	R		
15:49	JM	16:37	S		
16:38		16:38		LS	LC
16:39	DA	17:07	C		

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental
 M - Trainee/ Developmental Monitoring
 R - Trainee/ Developmental Certification/ Evaluation

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	LN	LC	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
01:48	TJ	02:50	S		
02:51	CL	04:44	C		
04:45	JJ	04:45	C		
04:46	JJ	06:02	C		
06:03	JJ	06:59	C		

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental
 M - Trainee/ Developmental Monitoring
 R - Trainee/ Developmental Certification/ Evaluation

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	LN	LC	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
17:08	JM	17:09	S		
17:10	JM	18:14	S		
17:10	XX	18:14	R		
18:15	JK	18:28	C		
18:29	DT	19:33	C		
19:34	EB	19:52	C		
19:53	YG	21:01	C		
21:02	EN	21:29	C		
21:30	EN	22:03	C		
22:04	CL	23:11	C		
23:12	TN	00:13	C		
00:14	EO	00:42	C		
00:43	CR	01:03	C		
01:04	TN	01:47	C		

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental
 M - Trainee/ Developmental Monitoring
 R - Trainee/ Developmental Certification/ Evaluation

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental
 M - Trainee/ Developmental Monitoring
 R - Trainee/ Developmental Certification/ Evaluation

N613TV/N215TV Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
PHX	CD	CD	7/27/07			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	
07:00		12:29		LS	LC	
12:30	DT	12:42	C			
12:43	JM	12:44	S			
12:45	DT	12:45	C			
12:46	DA	13:35	C			
13:36	YG	14:14	C			
14:15	DA	15:06	C			
15:07	JJ	16:03	C			
16:04	DJ	17:23	C			
17:24	SL	18:46	C			
18:47	YG	19:23	C			
19:24	XX	20:05	C			
20:06	MC	21:02	C			
21:03	FT	21:03	C			

PHX CD CD 7/27/07						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
PHX	CD	CD	7/27/07			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	
03:32	AE	03:39	C			
03:32	JV	03:39	T			
03:40	TJ	03:54	S			
03:55	TJ	04:10	S			
04:11	AE	04:13	C			
04:14	AE	04:45	C			
04:46		06:59		LN	LC	

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/ Evaluation

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/ Evaluation

Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
PHX	CD	CD	7/27/07			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	
21:04	FT	22:40	C			
21:04	JV	22:40	T			
22:41	SK	23:17	C			
23:18	AE	23:18	C			
23:19	AE	00:15	C			
23:19	JV	00:15	T			
00:16	CL	00:33	C			
00:34	LC	01:06	C			
01:07	AE	01:08	C			
01:09	AE	01:47	C			
01:09	JV	01:47	T			
01:48	TN	02:20	C			
02:21	AE	03:31	C			
02:21	JV	03:31	T			

Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	

CODE:
- ATCS/ATA
- Supervisor/Staff Spec.
- Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/ Evaluation

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/ Evaluation

N613TV/N215TV **Position Log**

(1) FACILITY ID PHX	(2) POSITION IDENTIFIER GN	(3) Pos GC	(4) DATE 7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
07:00		12:34		(9) POSITION IDENTIFIER GS	(10) Position Type CC
12:35	JK	13:19	C		
13:20	DT	14:09	C		
14:10	JK	14:54	C		
14:55	SL	15:23	C		
15:24	XX	16:30	C		
16:31	DT	17:48	C		
17:49	EB	18:53	C		
18:54	MC	19:26	C		
19:27	SL	20:11	C		
20:12	MI	20:33	C		
20:34	CR	20:39	C		
20:40	XX	21:01	C		
21:02	TN	21:35	C		

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/
 Evaluation

Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/
 Evaluation

Position Log

(1) FACILITY ID PHX	(2) POSITION IDENTIFIER GN	(3) Pos GC	(4) DATE 7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
21:36	SK	22:08	C	(9) POSITION IDENTIFIER	(10) Position Type
22:09	LC	23:48	C		
23:49	SK	01:04	C		
01:05	CL	02:12	C		
02:13	EN	03:33	C		
03:34	SO	04:04	C		
04:05	EN	04:45	C		
04:46		06:59		LN	LC

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C - ATCS/ATA
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M - Trainee/ Developmental Monitoring
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 Evaluation

Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
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M - Trainee/ Developmental Monitoring
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N613TV/N215TV Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	GNA	GC	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00		15:26		AS/CIC	OT
15:27	JK	16:32	C		
16:33		06:59		GN	GC
CODE: C - ATCS/ATA M - Trainee/ Developmental Monitoring S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/ T - Trainee/Developmental E - Evaluation					

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
CODE: C - ATCS/ATA M - Trainee/ Developmental Monitoring S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/ T - Trainee/Developmental E - Evaluation					

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
CODE: C - ATCS/ATA M - Trainee/ Developmental Monitoring S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/ T - Trainee/Developmental E - Evaluation					

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
CODE: C - ATCS/ATA M - Trainee/ Developmental Monitoring S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/ T - Trainee/Developmental E - Evaluation					

N613TV/N215TV

Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	GS	CC	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	(10) Position Type
07:00		12:29		LS	LC
12:30	EB	12:59	C		
13:00	DJ	13:28	C		
13:29	SL	14:13	C		
14:14	DC	15:04	C		
15:05	YG	15:57	C		
15:58	SL	16:39	C		
16:40	YG	18:02	C		
18:03	SS	18:53	C		
18:54	DC	19:30	C		
19:31	EB	19:33	C		
19:34	MI	19:34	C		
19:35	LC	20:19	C		
20:20	DC	20:29	C		

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Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	(10) Position Type

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental

M - Trainee/ Developmental Monitoring
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Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	GS	CC	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	(10) Position Type
20:30	DC	20:56	C		
20:58	LC	21:34	C		
21:35	AE	22:44	C		
22:45	SO	23:18	C		
23:19	FT	00:21	C		
00:22	EN	01:07	C		
01:08	LC	01:45	C		
01:46	SK	02:22	C		
02:23	LC	03:20	C		
03:21	SK	04:35	C		
04:36		06:59		LS	LC

CODE:
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Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	(10) Position Type

CODE:
C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental

M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/ Evaluation

N613TV/N215TV Position Log					
(1) FACILITY ID		(2) POSITION IDENTIFIER		(3) Pos	(4) DATE
PHX		HS		AL	7/27/07
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00		13:40		LS	LC
13:41	EB	14:49	C		
14:50	DT	15:47	C		
15:48	DC	16:39	C		
16:40	JJ	17:56	C		
17:57	DA	18:39	C		
18:40		20:14		LS	LC
20:15	DJ	20:56	C		
20:57		22:08		LS	LC
22:09	SK	22:39	C		
22:40		23:43		LS	LC
23:44	CL	00:15	C		
00:16		02:51		LS	LC
02:52	TN	02:58	C		

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental

M - Trainee/ Developmental Monitoring
 R - Trainee/ Developmental Certification/
 Evaluation

Position Log					
(1) FACILITY ID		(2) POSITION IDENTIFIER		(3) Pos	(4) DATE
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental

M - Trainee/ Developmental Monitoring
 R - Trainee/ Developmental Certification/
 Evaluation

Position Log					
(1) FACILITY ID		(2) POSITION IDENTIFIER		(3) Pos	(4) DATE
PHX		HS		AL	7/27/07
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
02:59	TJ	03:39	S		
03:40		06:59		LS	LC

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
 T - Trainee/Developmental

M - Trainee/ Developmental Monitoring
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 Evaluation

Position Log					
(1) FACILITY ID		(2) POSITION IDENTIFIER		(3) Pos	(4) DATE
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type

CODE:
 C - ATCS/ATA
 S - Supervisor/Staff Spec.
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N613TV/N215TV Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
PHX	LS	LC	7/27/07			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	
07:00	RM	08:31	C			
08:32	NK	12:29	C			
12:30	JJ	12:35	C			
12:36	JJ	12:59	C			
13:56	JJ	13:56	C			
13:57	SS	14:27	C			
14:28	DJ	15:23	C			
15:24	MC	16:17	C			
16:18	SS	17:21	C			
17:22	DC	18:15	C			
18:16	EO	19:21	C			
19:22	ST	19:53	C			
19:54	MI	20:06	C			
20:07	EN	20:29	C			

CODE:
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Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	

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Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
PHX	LS	LC	7/27/07			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	
20:30	SO	21:35	C			
21:36	TN	22:36	C			
22:37	EN	23:50	C			
23:51	SO	01:07	C			
01:08	EN	01:39	C			
01:40	SO	02:58	C			
02:59	TN	04:35	C			
04:36	SK	04:53	C			
04:54	JK	06:02	C			
06:03		06:59		LN	LC	

CODE:
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Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
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N613TV/N215TV

Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	TMC	TM	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00		12:30		AS/CIC	OT
12:31	ST	13:28	C		
13:29		14:28		AS/CIC	OT
14:29	ST	18:38	C		
18:39		19:02		AS/CIC	OT
19:03	CR	20:33	C		
20:34		20:39		AS/CIC	OT
20:40	CR	22:07	C		
22:08		22:42		AS/CIC	OT
22:43	CR	00:42	C		
00:43		01:03		AS/CIC	OT
01:04	CR	02:39	C		
02:40		06:59		AS/CIC	OT
CODE: C - ATCS/ATA M - Trainee/ Developmental Monitoring S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/ Evaluation T - Trainee/Developmental					

Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
CODE: C - ATCS/ATA M - Trainee/ Developmental Monitoring S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/ Evaluation T - Trainee/Developmental					

Position Log

(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
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(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
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N613TV/N215TV Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
PHX	HN	AL	7/27/07		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
07:00		17:15		(9) POSITION IDENTIFIER	(10) Position Type
07:00		17:09		LN	LC
17:10	DA	17:15	C		
17:17	JK	18:14	C		
18:15		06:59		LN	LC
CODE: C - ATCS/ATA S - Supervisor/Staff Spec. T - Trainee/Developmental					
M - Trainee/ Developmental Monitoring R - Trainee/ Developmental Certification/ Evaluation					

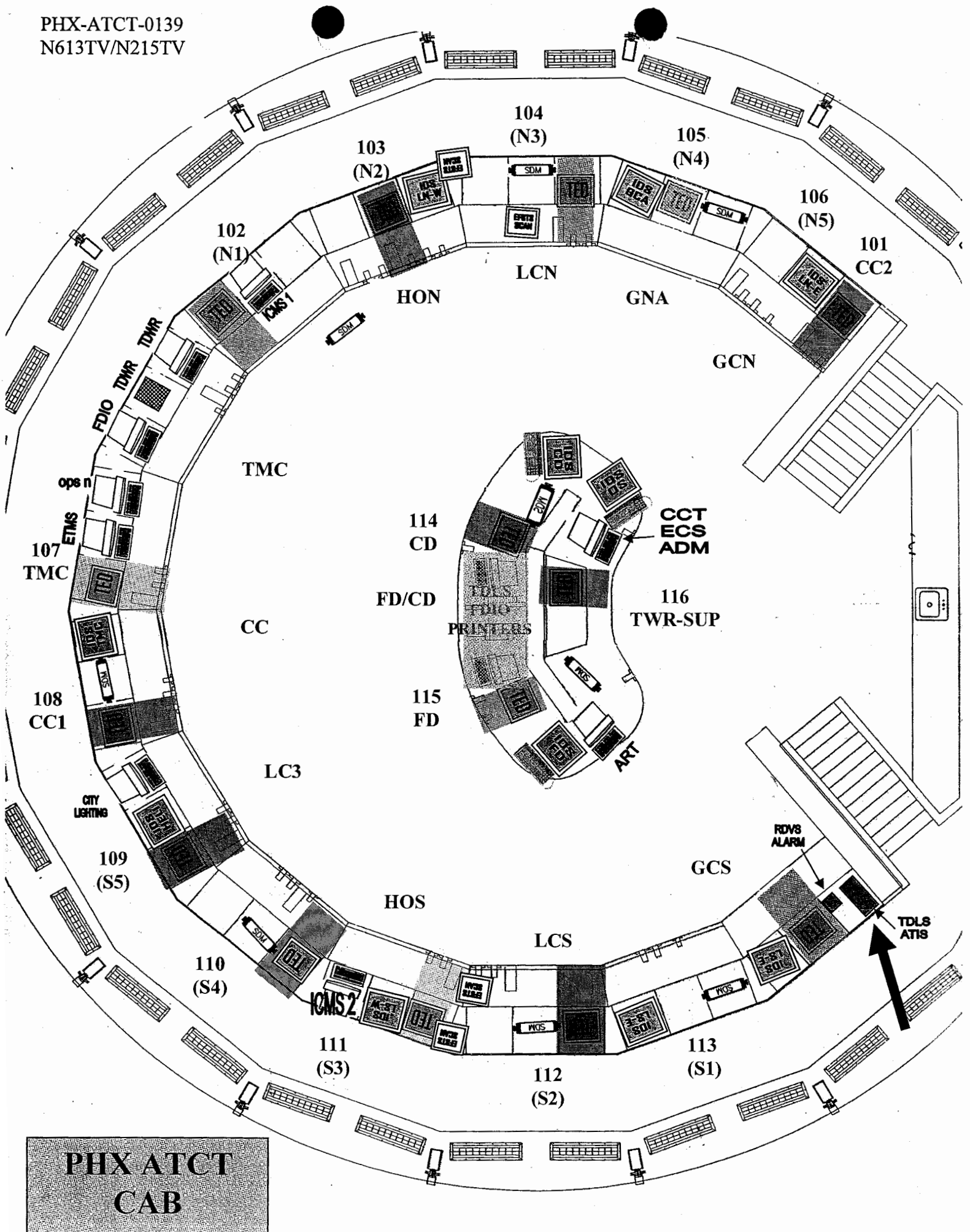
Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
CODE: C - ATCS/ATA S - Supervisor/Staff Spec. T - Trainee/Developmental					
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Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
CODE: - ATCS/ATA - Supervisor/Staff Spec. - Trainee/Developmental					
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Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
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PHX-ATCT-0139
N613TV/N215TV

SECTION 8.
Facility Layout Chart



**PHX ATCT
CAB**

PHX-ATCT-0139
N613TV/N215TV

SECTION 9.
Transcription of Voice Recording



Federal Aviation Administration

Memorandum

Date: September 24, 2007
To: Aircraft Accident File PHX-ATCT-0139
From: Phoenix Sky Harbor Airport Traffic Control Tower
Subject: **INFORMATION:** Full Transcript
Aircraft Accident, N613TV/N215TV
Phoenix, AZ, July 27, 2007

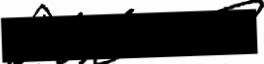
This transcription covers the Phoenix Sky Harbor Airport Traffic Control Tower (ATCT) LN LC position for the time period from July 27, 2007, 1921 UTC, to July 27, 2007, 1958 UTC.

Agencies Making Transmissions

Abbreviations

Phoenix ATCT, Local Control North	LCN
Mesa Aviation Services, ASH2895	ASH2895
Southwest Airlines Co., SWA588	SWA588
Phoenix Police Department, Firebird 8	FBD8
America West Airlines, AWE281	AWE281
Unknown	UNK
America West Airlines, AWE233	AWE223
N539	BANNER
Eurocopter AS 350, N215TV	CH15
Mesa Aviation Services, ASH2904	ASH2904
Channel 12, KPNX-TV	SKY12
Southwest Airlines Co., SWA2198	SWA2198
Channel 5, KPHO-TV	NWSHK5
America West Airlines, AWE293	AWE293
Eurocopter AS 350, N613TV	TV3
Southwest Airlines Co., SWA1131	SWA1131
Phoenix ATCT, Handoff South	HOS
Native American Air Ambulance	NATIVE10
Channel 10, KSAZ-TV	SKYFOX10
America West Airlines, AWE45	AWE45
Phoenix ATCT, Local Control South	LCS
America West Airlines, AWE90	AWE90
Netjets Aviation, Inc , EJA	EJA
N801G	N801G
Phoenix TRACON, Biltmore Sector	BILTMORE

I hereby certify that the following is a true transcription of the recorded conversations pertaining to the subject aircraft accident involving N613TV/N215TV.


Bob Schimelpfening
Staff Support Specialist
Phoenix Sky Harbor ATCT

1921

1921:24 LCN air shuttle twenty eight ninety five turn on bravo
contact ground please

1921:28 ASH2895 left on bravo to ground air shuttle twenty eight ninety
five have a good day

1922

1922:37 SWA588 (unintelligible) tower good morning (unintelligible)
five eighty eight is on the visual two six

1922:42 LCN southwest five eighty eight phoenix tower i'm with you
two six clear to land traffic hmmm two mile final is a
seven thirty seven one two two zero (unintelligible)

1922:50 SWA588 clear to land two six southwest five eighty eight

1922:56 FBD8 good afternoon phoenix tower firebird eight

1922:59 LCN firebird eight

1923:00 FBD8 about four and a half five north of the downtown one
thousand eight hundred with kilo like north
(unintelligible) clearance via sharp echo

1923:06 LCN firebird eight radar contact proceed via sharp echo as
requested

1923:10 FBD8 roger firebird eight

1924

1924:21 LCN cactus two eighty one turn left into charlie when able
contact ground

1924:31 AWE281 cactus two eighty one roger
1925

1925:12 FBD8 ah phoenix tower firebird eight like to stay with you we
are following a pursuit ah aggravated assault on an
officer but we are north on twelve seven twelfth street
i don't know if it is going to come back or not

1925:22 LCN that is fine i'll watch ya

1925:24 UNK (unintelligible)

1925:35 AWE223 ah tower cactus two twenty three for two six

1925:39 LCN two twenty three phoenix tower runway two six cleared to land traffic one mile final is a seven thirty seven

1925:43 AWE223 cleared to land runway two six cactus two twenty three

1925:52 LCN bannertow five thirty nine frequency change approved squawk one two zero zero radar service terminated have a good day

1925:58 BANNER bannertow five three nine thanks for your help good day

1926
1926:08 CH15 and good afternoon phoenix from chopper fifteen information kilo camelback mountain like to enter class bravo via sharp echo

1926:13 LCN channel fifteen radar contact one mile north of camelback proceed via sharp echo as requested say altitude and destination.

1926:20 CH15 chopper fifteen we are going to be heading downtown one thousand eighteen hundred feet and ah we are going to intercept the police chase

1926:27 LCN okay

1926:29 LCN there is a firebird helicopter doing that chase right now about a mile and a half west of the biltmore at one thousand nine hundred

1926:38 CH15 roger that in sight we are going to go direct where firebird is thank you

1926:41 LCN alrighty

1926:48 FBD8 and firebird copies thank you

1926:49 LCN you're welcome

1926:50 LCN southwest five eighty eight turn left onto um stay on
bravo and contact ground

1926:55 SWA588 left turn on bravo and over to ground for southwest five
eighty eight

1927
1927:24 LCN three twenty three phoenix tower runway two six cleared
to land the wind is two four zero at nine

1927:29 AWE223 cleared to land two six cactus two twenty three

1928
1928:04 CH15 and phoenix tower chopper fifteen has firebird in sight
and we are talking to him on the other frequency

1928:10 LCN alright thank you very much there is another helicopter
looks like just ah two north of your position also
inbound i'm not talking to him yet

1928:17 CH15 yeah it's ah twelve he'll be calling ya in a second

1928:20 LCN okay alright

1928:22 FBD8 phoenix tower firebird eight cleared back in sir

1928:24 LCN yeah firebird eight yeah whatever you need

1928:27 FBD8 thank you firebird eight

1928:48 ASH2904 phoenix tower air shuttle twenty nine zero four visual
two six

1928:49 LCN twenty nine zero four phoenix tower runway two six
cleared to land wind two three zero at nine

1928:53 ASH2904 cleared to land runway two six air shuttle twenty nine
zero four

1929
1929:03 CH15 and ah phoenix chopper fifteen is going to go to two thousand feet so we are out of firebirds way

1929:09 LCN that's fine

1929:11 CH15 thank you

1929:18 LCN cactus two twenty three turn left over to taxiway charlie contact ground

1929:23 AWE223 charlie contact ground cactus two twenty three

1929:29 LCN sky twelve phoenix tower did you call

1929:31 SKY12 sky twelve i did not but i was about to like to enter sharp echo and we are about one west of the biltmore have fifteen and firebird in sight maintain visual

1929:40 LCN sky twelve radar contact proceed sharp echo as requested

1929:46 UNK (unintelligible)

1930
1930:15 SKY12 and sky twelve for traffic avoidance i'm gonna go up to two point five if you don't mind

1930:20 LCN that's fine

1931
1932
1932:47 LCN air shuttle twenty nine zero four join charlie and contact ground please

1932:51 ASH2904 okay we'll join charlie and contact ground air shuttle twenty nine zero four

1933
1933:28 SWA2198 tower southwest twenty one ninety eight with the visual two six

1933:34 LCN twenty one ninety eight phoenix tower runway two six cleared to land wind two zero zero at five

1933:37 SWA2198 cleared to land two six southwest twenty one ninety

eight

1934
1934:39 LCN okay you got the word you have been working you know all that stuff there airspace is west p times are good special activities all that stuff on the board release authority with local south runways open taxiway alpha seven closed so don't use that traffic southwest twenty one ninety eight is cleared to land firebird eight channel fifteen sky twelve in this area doing a police chase i told firebird he can go in and out at his discretion

1935:05 LCN okay

1935:07 LCN sky twelve is the one that is at twenty five hundred

1935:10 LCN okay he's the high one

1935:11 LCN that way you can ascertain who they are when they call ya and that is it

1935:16 LCN e b

1935:17 LCN d t

1935:29 NWSHK5 phoenix tower newshawk five coming up on abeam piestewa peak at two thousand two hundred we have information kilo like to come inbound operate with the other helicopters we'll be talking to them

1935:39 LCN newshawk five radar contact proceed via sharp echo as requested and there is three helicopters out there and i'll give you the callsigns if you want

1935:48 NWSHK5 and newshawk five i do have that firebird ah twelve and fifteen and i think (unintelligible) three will be behind me shortly and we'll be on oh point two

1935:57 LCN roger

1936:00 AWE293 and tower cactus two ninety three is with ya for runway two six

1936:02 LCN cactus two ninety three phoenix tower runway two six
cleared to land traffic short final wind two zero zero
at five

1936:05 AWE293 cleared to land on two six cactus two ninety three

1936:41 TV3 phoenix tower helicopter t v three

1936:44 LCN southwest twenty one ninety eight turn left on charlie
contact ground

1936:48 SWA2198 charlie ground southwest twenty one ninety eight

1936:50 LCN t v three tower

1936:51 TV3 t v three is westside of piestewa peak sharp echo for
the north bravo ah going where the other helicopters are
over there

1936:55 LCN t v three is radar contact proceed via sharp echo as
requested there is three helicopters on sight and
newshawk five is about a mile ahead of ya

1937:04 TV3 copy newshawk in sight and i got a couple of the others
in sight as well thank you t v three

1937:30 SWA1131 and tower southwest eleven thirty one on about a seven
mile right base for two six

1937:36 LCN southwest eleven thirty one phoenix tower runway two six
cleared to land traffic three mile final boeing seven
thirty seven winds two zero zero at five

1937:44 SWA1131 cleared to land two six southwest eleven thirty one
1938
1939

1939:41 LCN cactus two ninety three turn left on charlie contact
ground

1939:45 AWE293 left on charlie to ground cactus two ninety three good
day

1940
1941

1941:15 HOS local north handoff south ahwatukee there native ten

wants to go to county i'd like to cross along twenty
fourth street

1941:22 LCN twenty fourth street midfield wherever i got nothing

1941:25 HOS okay

1941:26 LCN approved e b

1941:37 LCN southwest eleven thirty one turn left on charlie and
contact ground

1941:40 SWA1131 charlie and call ground southwest eleven thirty one
1942

1943 NATIVE10 phoenix north tower native ten with ya

1943:23 LCN native ten across runway two six proceed to county

1943:26 NATIVE10 native ten thank you sir

1944

1944:15 NATIVE10 and phoenix tower native ten landing assured county

1944:17 LCN native ten roger

1944:19 NATIVE10 thank you

1944:36 SKYFOX10 phoenix tower skyfox ten

1944:38 LCN skyfox ten tower

1944:40 SKYFOX10 skyfox ten piestewa peak like to operate in the bravo
sharp echo with the other ones if we could we have them
in sight and we'll be talking to them

1944:46 LCN skyfox ten squawk zero four zero zero

1944:51 SKYFOX10 skyfox ten squawking and we have the other helicopter
low level eastbound

1944:59 LCN skyfox ten is radar contact one mile southwest piestewa peak proceed via sharp echo as requested be advised there is about five helicopters on sight and ah one that is just passing your nose i don't have him on my frequency but he's no factor anymore

1945:16 SKYFOX10 fox ten roger we have him in sight and we're talking to the other ones thanks

1945:18 LCN roger

1946

1946:50 SKYFOX10 phoenix tower skyfox ten just had midair collision over here at the park two helicopters two helicopters down

1947

1947:03 LCN skyfox .ten roger

1947:04 UNK (unintelligible)

1947:09 SKYFOX10 channel three is on the (unintelligible)

1947:17 LCN skyfox ten do you know which two are down

1947:23 SKYFOX10 looks like channel three and i don't know about the other helicopter possibly channel fifteen

1947:30 LCN roger

1947:53 LCN and ah firebird eight are you going to stay up in the area

1948

1948:05 LCN chopper fifteen tower are you up

1948:21 LCN sky twelve phoenix tower

1948:23 UNK stand by

1948:28 SKY12 sky twelve phoenix tower

1948:31 LCN sky twelve do you have any idea of the call sign of the two helicopters that are down

1948:35 SKY12 yes sir channel fifteen and t v three

1948:38 LCN thank you

1948:47 NWSHK5 phoenix tower newshawk five did you copy we need to check on three and fifteen we think we have aircraft down

1948:51 LCN newshawk five copy we have that

1948:59 NWSHK5 westcorp aviation westcorp aviation emergency traffic anybody monitoring westcorp aviation

1949:40 AWE45 tower did you call cactus forty five i'm sorry

1949:42 LCN cactus forty five roger hold short of the runway

1949:45 AWE45 holding short

1950
1950:35 LCN local south local north

1950:36 LCS local south

1950:37 LCN apreq release five seven buckeye

1950:38 LCS on a buckeye follow my southwest on the runway blue top buckeye released

1950:42 LCN e b

1950:44 LCN cactus forty five phoenix tower runway two six position and hold it will be a short delay you're following one airplane departing the southside

1950:50 AWE45 position and hold two six cactus forty five
1951

1951:13 AWE90 ah good afternoon tower cactus ninety is with you visual for runway two six

1951:14 LCN cactus ninety phoenix tower continue inbound traffic is holding in position

1952
1952:02 LCN cactus forty five runway two six cleared for take off traffic on five mile final

1952:08 AWE45 two six cleared for takeoff cactus forty five

1952:10 LCN cactus ninety traffic is on departure roll boeing seven fifty seven caution wake turbulence runway two six cleared to land

1952:16 AWE90 cleared to land runway two six cactus ninety

1952:21 LCN i've got the boards

1952:24 LCN alright p times are in airspace is west flow special activities we just had a mid air collision two helicopters crashed about five miles northwest of the ah sky harbor airport there is still three more helicopters out there you have fox ten is still out there newshawk five sky twelve and firebird eight are still out there four helicopters are still out there

1952:45 LCN okay

1952:46 LCN t v three and channel fifteen had a mid air and they are down so that is your special activity positions are all staffed runways open and available currently occupied cactus forty five is rolling on a buckeye he was following this southwest you should have plenty mileage there cactus ninety is cleared to land on runway two six and i have not called for a release on the astrajet

1953:03 LCN okay i've got it y g

1953:30 LCN cactus forty five contact departure good day

1953:32 AWE45 cactus forty five see ya

1953:49 LCN local south local north

1953:51 LCS local south

1953:53 LCN request release buckeye

1953:55 LCS ah buckeye he's released buckeye's released

1953:56 EJA execjet eight thirty (unintelligible) with you
(unintelligible)

1953:59 LCN astra eight zero one golf phoenix tower runway two six
position and hold

1954:04 N801G position and hold eight zero one golf

1954:31 LCN attention all aircraft atis lima is current and the
altimeter two niner niner one

1954:43 LCN cactus ninety when you exit join charlie contact ground
have a good day

1954:48 AWE90 calling ground cactus ninety good day

1955:00 LCN astra eight zero one golf wind two six zero at six
runway two six cleared for takeoff

1955:04 N801G zero one golf roger

1955:13 LCN all right the helicopter that is just on the north end
of the boundary at three thousand four hundred recheck
your altitude please ident and verify call sign

1955:51 LCN skyfox ten phoenix tower ident and verify your altitude
please

1955:57 SKYFOX10 ah skyfox ten go ahead phoenix tower

1956
1956:01 LCN yeah i just need you to ident and verify your ah
altitude please skyfox ten

1956:06 SKYFOX10 ah skyfox ten is identing at two point four we're
talking to the other two helicopters sorry about that
we're talking to both five and ten

1956:13 LCN skyfox ten thank you maintain visual separation from both of those aircraft one of them is up there at three thousand five hundred i'm trying to determine which one that is

1956:21 UNK (unintelligible) be t v five

1956:27 LCN astra zero one golf contact departure good day

1956:30 N801G zero one golf see ya

1956:32 LCN thanks that last transmission to the tower was garbled unreadable

1956:35 NWSHK5 tower you we're wondering who's at three point five that's newshawk five we'd like to maintain that unless you need us lower

1956:40 LCN newshawk five roger let me talk to the approach control because you are up in their airspace let me find out if it's okay

1956:46 NWSHK5 okay sir yeah we just wanted to give them wide spacing

1956:49 LCN roger

1956:54 LCN biltmore local north

1956:55 BILTMORE biltmore

1956:56 LCN yeah i've got a point out there just west of the biltmore at three thousand two hundred is a helicopter newshawk five they'd like to stay at that altitude is that okay

1957:05 BILTMORE at thirty two hundred you said

1957:07 LCN yeah he's on a zero four hundred

1957:09 BILTMORE oh yeah that's fine approved

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...

1957:10 LCN okay y g

1957:15 FBD8 phoenix tower firebird ah eight we are going to be
departing to the west if i come back i'll let you know

1957:20 LCN firebird eight frequency change approved

1957:23 FBD8 thanks sir
1958

End of Transcript

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N613TV/N215TV

SECTION 11.
FAA Form 8020-26, Personnel Statements

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
PERSONNEL STATEMENT

1. NAME OF REPORTING FACILITY:

PHOENIX ATCT

2. REPORT NUMBER:

PHX-ATCT-0139

3. AIRCRAFT IDENTIFICATION AND TYPE:

N413TV / N215TV A550

4. LOCATION OF ACCIDENT/INCIDENT:

PHOENIX, AZ

5. DATE/TIME OF ACCIDENT/INCIDENT (UTC):

7/27/2007 1946 UTC

6. EQUIPMENT ATTACHMENT:

YES NO

7. NAME (OPERATING INITIALS):

DAVID J TOMCZAK (DT)

8. TITLE:

ATCS

9. POSITION AND TIME (UTC):

LOCAL CONTROL NORTH 1829 UTC - 1933 UTC

10. COMPLETE IN ACCORDANCE WITH FAA ORDER 8020.16, AIR TRAFFIC ORGANIZATION, AIRCRAFT ACCIDENT AND INCIDENT NOTIFICATION, INVESTIGATION, AND REPORTING, PARAGRAPH 91, FAA FORM 8020-26, PERSONNEL STATEMENTS. THE PURPOSE OF THIS STATEMENT IS TO PROVIDE ANY FACTS WITHIN YOUR PERSONAL KNOWLEDGE THAT WILL PROVIDE A COMPLETE UNDERSTANDING OF THE CIRCUMSTANCES SURROUNDING THIS ACCIDENT/ INCIDENT. SPECULATIONS, HEARSAY, OPINIONS, CONCLUSIONS, AND/OR OTHER EXTRANEIOUS DATA ARE NOT TO BE INCLUDED IN THIS STATEMENT. THIS STATEMENT MAY BE RELEASED TO THE PUBLIC THROUGH THE FREEDOM OF INFORMATION ACT OR LITIGATION ACTIVITIES INCLUDING PRETRIAL DISCOVERY, DEPOSITIONS, AND ACTUAL COURT TESTIMONY. THIS STATEMENT IS TO BE HAND PRINTED AND SIGNED BY YOU, AND YOUR SIGNATURE BELOW CERTIFIES THE ACCURACY OF THIS STATEMENT. IT WILL NEITHER BE EDITED NOR TYPED AND, ONCE SIGNED, WILL CONSTITUTE YOUR ORIGINAL STATEMENT.

11. TEXT OF STATEMENT:

ORIGINAL SUPPLEMENTAL

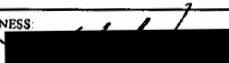
My name is David J Tomczak. I am an ATCS at Phoenix ATCT in Phoenix, Arizona. I worked Local Control North on July 27, 2007 from 1829 UTC - 1933 UTC. I was relieved off position by Eric Bowring ATCS and gave him a recorded briefing of my traffic I had at the time and other items contained in the checklist

12. SIGNATURE OF WITNESS:

13. DATE OF SIGNATURE:

8-27-07

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION PERSONNEL STATEMENT		1. NAME OF REPORTING FACILITY: Phoenix ATCT	2. REPORT NUMBER: PHX-ATCT-0139
		3. AIRCRAFT IDENTIFICATION AND TYPE: N613TV / N215TV AS350 AS500 ⁵⁸ 7/2	
4. LOCATION OF ACCIDENT/INCIDENT: Phoenix, AZ	5. DATE/TIME OF ACCIDENT/INCIDENT (UTC): 7/27/2007 1946 UTC		6. EQUIPMENT ATTACHMENT: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
7. NAME (OPERATING INITIALS): Erik V Bowring (EB)	8. TITLE: Air Traffic Control Specialist	9. POSITION AND TIME (UTC): Local Control North 1934-1952 UTC	
10. COMPLETE IN ACCORDANCE WITH FAA ORDER 8020.16, AIR TRAFFIC ORGANIZATION, AIRCRAFT ACCIDENT AND INCIDENT NOTIFICATION, INVESTIGATION, AND REPORTING, PARAGRAPH 91, FAA FORM 8020-26, PERSONNEL STATEMENTS. THE PURPOSE OF THIS STATEMENT IS TO PROVIDE ANY FACTS WITHIN YOUR PERSONAL KNOWLEDGE THAT WILL PROVIDE A COMPLETE UNDERSTANDING OF THE CIRCUMSTANCES SURROUNDING THIS ACCIDENT/ INCIDENT. SPECULATIONS, HEARSAY, OPINIONS, CONCLUSIONS, AND/OR OTHER EXTRANEIOUS DATA ARE NOT TO BE INCLUDED IN THIS STATEMENT. THIS STATEMENT MAY BE RELEASED TO THE PUBLIC THROUGH THE FREEDOM OF INFORMATION ACT OR LITIGATION ACTIVITIES INCLUDING PRETRIAL DISCOVERY, DEPOSITIONS, AND ACTUAL COURT TESTIMONY. THIS STATEMENT IS TO BE HAND PRINTED AND SIGNED BY YOU, AND YOUR SIGNATURE BELOW CERTIFIES THE ACCURACY OF THIS STATEMENT. IT WILL NEITHER BE EDITED NOR TYPED AND, ONCE SIGNED, WILL CONSTITUTE YOUR ORIGINAL STATEMENT.			
11. TEXT OF STATEMENT: <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> SUPPLEMENTAL			
<p>This is an interim written statement 7/21/07</p> <p>I was working local central north during a police chase approximately 5 miles northwest of Phoenix Sky Harbor airport. There was a police helicopter being shadowed by numerous news helicopters in the area. I approved a few additional helicopters into the airspace and provided them traffic advisories on all the other aircraft in the area. They told me that the other helicopters were in sight and that they would be talking to them on the discrete helicopter frequency. A while later I was advised by one of the news helicopters that a mid-air collision had occurred.</p> <p>I reserve the right to amend my statement should further information become available.</p>			
12. SIGNATURE OF WITNESS: 		13. DATE OF SIGNATURE: 7/27/07	

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION PERSONNEL STATEMENT		1. NAME OF REPORTING FACILITY: Phoenix ATCT	2. REPORT NUMBER: PHX-ATCT-0139
		3. AIRCRAFT IDENTIFICATION AND TYPE: N613TV / N215TV A550	
4. LOCATION OF ACCIDENT/INCIDENT: Phoenix, AZ	5. DATE/TIME OF ACCIDENT/INCIDENT (UTC): 7/27/2007 1946 UTC	6. EQUIPMENT ATTACHMENT: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
7. NAME (OPERATING INITIALS): MICHAEL S. IMES (MI)	8. TITLE: ATCS	9. POSITION AND TIME (UTC): 1938 UTC - CONTROLLER-IN-CHARGE 1949 UTC	
10. COMPLETE IN ACCORDANCE WITH FAA ORDER 8020.16, AIR TRAFFIC ORGANIZATION, AIRCRAFT ACCIDENT AND INCIDENT NOTIFICATION, INVESTIGATION, AND REPORTING, PARAGRAPH 91, FAA FORM 8020-26, PERSONNEL STATEMENTS. THE PURPOSE OF THIS STATEMENT IS TO PROVIDE ANY FACTS WITHIN YOUR PERSONAL KNOWLEDGE THAT WILL PROVIDE A COMPLETE UNDERSTANDING OF THE CIRCUMSTANCES SURROUNDING THIS ACCIDENT/ INCIDENT. SPECULATIONS, HEARSAY, OPINIONS, CONCLUSIONS, AND/OR OTHER EXTRANEOUS DATA ARE NOT TO BE INCLUDED IN THIS STATEMENT. THIS STATEMENT MAY BE RELEASED TO THE PUBLIC THROUGH THE FREEDOM OF INFORMATION ACT OR LITIGATION ACTIVITIES INCLUDING PRETRIAL DISCOVERY, DEPOSITIONS, AND ACTUAL COURT TESTIMONY. THIS STATEMENT IS TO BE HAND PRINTED AND SIGNED BY YOU, AND YOUR SIGNATURE BELOW CERTIFIES THE ACCURACY OF THIS STATEMENT. IT WILL NEITHER BE EDITED NOR TYPED AND, ONCE SIGNED, WILL CONSTITUTE YOUR ORIGINAL STATEMENT.			
11. TEXT OF STATEMENT: <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> SUPPLEMENTAL			
<p>THIS IS AN INTERIM WRITTEN STATEMENT. (MI 9/21/07)</p> <p>I WAS WORKING THE CIC POSITION.</p> <p>OBSERVED A LARGE NUMBER OF RARML TARGETS TO THE NORTHWEST.</p> <p>SEVERAL MINUTES LATER EB + MYSELF NOTICED 2 SMOKE PLUMES IN THAT GENERAL AREA.</p> <p>EB STATED "I HAVE 2 HELICOPTERS DOWN." I CALLED TO NOTIFY MANAGEMENT AS WELL AS TO GET EB RELIEVED FROM POSITION ASAP.</p> <p>I RESERVE THE RIGHT TO AMEND MY STATEMENT SHOULD FURTHER INFORMATION BECOME AVAILABLE.</p>			
12. SIGNATURE OF WITNESS: 		13. DATE OF SIGNATURE: 7/27/07	

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N613TV/N215TV

SECTION 12.
Weather Products

PHX-ATCT-0139
N613TV/N215TV

PHX ATCT 07/27/2007

07/27/07 12:15:31 5-MIN KPHX 271915Z 25009KT 10SM BKN060 BKN150 BKN250
34/18 A2993 1130 38 3600 240/09 RMK AO2 CB DSNT S AND NW-N

07/27/07 12:20:31 5-MIN KPHX 271920Z 24007KT 10SM BKN060 BKN150 BKN250 35/19
A2992 1130 38 3700 220/07 RMK AO2 CB DSNT S AND NW-N

07/27/07 12:25:31 5-MIN KPHX 271925Z VRB04KT 10SM BKN060 BKN150 BKN250 35/19
A2992 1140 38 3700 VRB/04 RMK AO2 CB DSNT S AND NW-N

07/27/07 12:30:31 5-MIN KPHX 271930Z 27010KT 10SM BKN060 BKN150 BKN250 36/18
A2992 1140 35 3800 260/10 RMK AO2 CB DSNT S AND NW-N

07/27/07 12:35:31 5-MIN KPHX 271935Z 23004KT 10SM BKN060 BKN150 BKN250 36/18
A2991 1140 35 3800 210/04 RMK AO2 CB DSNT S AND NW-N

07/27/07 12:40:31 5-MIN KPHX 271940Z VRB05KT 10SM BKN060 BKN150 BKN250 35/18
A2991 1150 36 3700 VRB/05 RMK AO2 CB DSNT S AND NW-N

07/27/07 12:45:31 5-MIN KPHX 271945Z 27009G15KT 10SM BKN060 BKN150 BKN250
36/18 A2991 1150 35 3800 250/09G15 RMK AO2 SLP106 CB DSNT S AND NW-N

07/27/07 12:50:31 5-MIN KPHX 271950Z 28009G15KT 10SM BKN060 BKN150 BKN250
36/18 A2991 1150 35 3800 270/09G15 RMK AO2 SLP106 CB DSNT S AND NW-N

07/27/07 12:55:31 5-MIN KPHX 271955Z 28007G14KT 10SM BKN065 BKN150 BKN250
34/18 A2990 1150 36 3600 270/07G14 RMK AO2 CB DSNT S AND NW-N TCU DSNT SE-S


07/27/07 13:00:31 5-MIN KPHX 272000Z 27009G14KT 10SM BKN065 BKN150 BKN250
35/18 A2990 1150 35 3700 260/09G14 RMK AO2 CB DSNT S AND NW-N TCU DSNT SE-S

07/27/07 13:05:31 5-MIN KPHX 272005Z 25009KT 230V290 10SM BKN065 BKN150
BKN250 36/18 A2990 1160 34 3800 240/09 220V280 RMK AO2 CB DSNT S AND NW-N TCU
DSNT SE-S (ACFT MSHP)

07/27/07 13:10:31 5-MIN KPHX 272010Z 26007KT 220V290 10SM BKN065 BKN150
BKN250 36/17 A2990 1160 32 3800 250/07 210V280 RMK AO2 CB DSNT S AND NW-N TCU
DSNT SE-S (ACFT MSHP)

07/27/07 13:15:31 5-MIN KPHX 272015Z 24011KT 10SM BKN065 BKN150 BKN250
37/18 A2989 1160 31 4000 220/11 RMK AO2 CB DSNT S AND NW-N TCU DSNT SE-S
(ACFT MSHP)

I hereby certify that this is true copy of the original observations obtained from the National
Weather Service and was available to the controllers.


Gregory A. Smith
Air Traffic Manager
PHX ATCT

