

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 07/12/2004

PROJECT NUMBER: 430
 ARPT IDENTIFIER: TUS
 ARPT NAME: TUCSON INTERNATIONAL AIRPORT
 CITY: TUCSON
 STATE: ARIZONA
 ARPT ELEVATION: 2643.0
 AIRPORT REFERENCE POINT

DISTANCE FROM RWY END: 29R+0
 LATITUDE: 320657.9
 LONGITUDE: -1105627.7

SITE NUMBER: 00816.A
 SURVEY DATE: 01/23/2004
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV: 2697.0
 DECLINATION: 11.3E

RUNWAY INFORMATION

RUNWAY: 3/21 LENGTH: 7000 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
 GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
3	320701.8014	-1105732.5458	2560.2	450215	2572.2	841	320707.6814	-1105725.6275	2563.5
21	320750.7384	-1105634.9560	2569.0	2250246	2572.5				

PROFILE DATA

DISTANCES FROM APPROACH END 3

DISTANCES FROM APPROACH END 21

DISTANCE	ELEV
0	2560.2
841	2563.5
4000	2572.5
7000	2569.0

DISTANCE	ELEV
0	2569.0
3000	2572.5
6159	2563.5
7000	2560.2

RUNWAY: 11L/29R LENGTH: 10996 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
 GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
11L	320724.1303	-1105652.4830	2578.0	1350122	2598.6				
29R	320607.1649	-1105522.1457	2643.0	3150210	2643.0				

DISTANCES FROM APPROACH END 11L

DISTANCE	ELEV
0	2578.0
5753	2618.0
10996	2643.0

DISTANCES FROM APPROACH END 29R

DISTANCE	ELEV
0	2643.0
5243	2618.0
10996	2578.0

RUNWAY: 11R/29L LENGTH: 8408 WIDTH: 75 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
11R	320719.5716	-1105658.7458	2573.7	1350115	2605.1	1410	320709.7030	-1105647.1584	2585.4
29L	320620.7192	-1105549.6585	2628.8	3150151	2628.8				

PROFILE DATA

DISTANCES FROM APPROACH END 11R

DISTANCE	ELEV
0	2573.7
409	2575.5
1410	2585.4
3014	2594.8
4772	2607.9
6603	2617.0
8408	2628.8

DISTANCES FROM APPROACH END 29L

DISTANCE	ELEV
0	2628.8
1806	2617.0
3636	2607.9
5395	2594.8
6998	2585.4
7999	2575.5
8408	2573.7

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NAVIGATIONAL AID INFORMATION

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
GS (11L)	320714.7679	-1105648.0611	2580.2		
GS (11L) PP	320717.5637	-1105644.7731	2584.2	400R	938
LOC (11L)	320553.5074	-1105506.1193	2660.4		1951
MM (11L)	320751.8957	-1105722.6049			3819
OM (11L)	321054.5473	-1110057.5222			29937
VORTAC (TUS)	320542.7372	-1105453.4826	2672.1		

VISUAL	LATITUDE	LONGITUDE
ALS (11L)		
APBN	320722.5597	-1105631.5602
PAPI (11L)		
PAPI (11R)		
REIL (21)		
REIL (29L)		
REIL (29R)		
VASI (21)		
VASI (29R)		

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OBSTRUCTION INFORMATION

3 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	320750.15	-1105640.27	1A	2575		15	3	-68	-6635	-5794	*281L	5
BLDG	320729.17	-1105705.02	1A	2578		18	6	-65	-3630	-2789	*285L	7
TREE	320701.11	-1105729.18	1A	2579		19	7	-64	-156	685	*254R	18
BUSH	320659.28	-1105731.31	1A	2572		12	0	-71	105	946	*255R	12
RR	320701.85	-1105736.70	1A	2581		21	9	-62	249	1090	256L	19
BUSH	320659.59	-1105737.42	1A	2576		16	4	-67	455	1296	138L	8
RR	320658.25	-1105736.51	1A	2582		22	10	-61	495	1336	13R	13
TREE	320659.71	-1105739.64	1A	2600		40	28	-43	581	1422	282L	28
TREE	320655.89	-1105737.14	1A	2587		27	15	-56	702	1543	144R	12
LT	320653.98	-1105740.28	1A	2599		39	27	-44	1029	1870	89R	14
LT	320653.83	-1105742.53	1A	2598		38	26	-45	1177	2018	36L	9
LT	320649.46	-1105741.82	1A	2605		45	33	-38	1446	2287	319R	8

21 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	320659.28	-1105731.31	1A	2572		3	0	-71	-7105		*255L	12
TREE	320701.11	-1105729.18	1A	2579		10	7	-64	-6844		*254L	18
BLDG	320729.17	-1105705.02	1A	2578		9	6	-65	-3370		*285R	7
BUSH	320750.15	-1105640.27	1A	2575		6	3	-68	-365		*281R	5
TREE	320802.68	-1105626.20	1A	2609		40	37	-34	1385		322R	5
SIGN	320803.81	-1105624.09	1A	2611		42	39	-32	1595		275R	1
TREE	320802.79	-1105622.87	1A	2611		42	39	-32	1596		127R	1
TREE	320802.83	-1105615.26	1A	2626		57	54	-17	2062		332L	2
STK	320825.47	-1105608.29	1A	2650		81	78	7	4103		*864R	-34

11L PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	320603.17	-1105523.75	1A	2655		77	56	12	-11183		383R	12
VENT	320607.38	-1105519.99	1A	2646		68	47	3	-11112		146L	3
VENT	320605.29	-1105522.45	1A	2646		68	47	3	-11111		152R	3
BUSH	320604.91	-1105525.77	1A	2656		78	57	13	-10936		382R	13
WDI ON BLDG	320615.91	-1105526.39	1A	2651		73	52	8	-10112		366L	12
BUSH	320610.51	-1105532.77	1A	2644		66	45	1	-10110		408R	5
BLDG	320613.49	-1105536.08	1A	2641		63	42	-2	-9696		396R	4
BUSH	320617.69	-1105541.39	1A	2641		63	42	-2	-9073		420R	8
POLE	320714.49	-1105634.81	1A	2605		27	6	-38	-1763		387L	14
ROD ON OL GS	320714.77	-1105648.06	1A	2611		33	12	-32	-938		400R	27
WDI ON BLDG	320723.16	-1105645.14	1A	2593		15	-6	-50	-516		378L	12
BLDG	320729.17	-1105705.02	1A	2578		0	-21	-65	1123		402R	-18

29R PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WDI ON BLDG	320723.16	-1105645.14	1A	2593		-50	-50	-50	-10479		378R	12
ROD ON OL GS	320714.77	-1105648.06	1A	2611		-32	-32	-32	-10057		400L	27
POLE	320714.49	-1105634.81	1A	2605		-38	-38	-38	-9232		387R	14
BUSH	320617.69	-1105541.39	1A	2641		-2	-2	-2	-1922		420L	8
BLDG	320613.49	-1105536.08	1A	2641		-2	-2	-2	-1299		396L	4
BUSH	320610.51	-1105532.77	1A	2644		1	1	1	-885		408L	5
WDI ON BLDG	320615.91	-1105526.39	1A	2651		8	8	8	-883		366R	12
BUSH	320604.91	-1105525.77	1A	2656		13	13	13	-60		382L	13
VENT	320607.38	-1105519.99	1A	2646		3	3	3	116		146R	3
VENT	320605.29	-1105522.45	1A	2646		3	3	3	116		152L	3
BUSH	320603.17	-1105523.75	1A	2655		12	12	12	188		383L	12
BUSH	320607.79	-1105514.01	1A	2662		19	19	19	449		*540R	14
BUSH	320601.36	-1105520.74	1A	2658		15	15	15	500		329L	9
BUSH	320559.25	-1105519.16	1A	2663		20	20	20	747		383L	9
BUSH	320604.38	-1105512.39	1A	2666		23	23	23	792		395R	11
BUSH	320605.14	-1105509.83	1A	2674		31	31	31	894		*605R	17
BUSH	320603.63	-1105510.15	1A	2672		29	29	29	982		477R	13
BUSH	320601.93	-1105509.28	1A	2672		29	29	29	1157		409R	10
BUSH	320559.84	-1105508.78	1A	2669		26	26	26	1336		291R	3

OBSTRUCTION INFORMATION (CONTINUED)

ADSAZ430

29R PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	320556.34	-1105503.47	1A	2678		35	35	35	1910		364R	1
OL ON LOC	320553.51	-1105506.12	1A	2669		26	26	26	1951		0R	-9
ROD ON BLDG	320554.91	-1105503.29	1A	2677		34	34	34	2023		272R	-2
VORTAC	320542.74	-1105453.48	1A	2712		69	69	69	3490		0R	3
TRMSN TWR	320453.94	-1105333.49	1A	2853		210	210	210	11843		1386R	-31

11R C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	320619.16	-1105552.74	1A	2640		66	35	-3	-8332	-6922	*299R	12
TREE	320623.57	-1105557.66	1A	2635		61	30	-8	-7718	-6308	*284R	10
BUSH	320649.46	-1105626.84	1A	2610		36	5	-33	-4092	-2682	209R	7
BLDG	320729.17	-1105705.02	1A	2578		4	-27	-65	1068	2478	304L	-21

29L SUPLC

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	320649.46	-1105626.84	1A	2610		-19	-19	-33	-4316		209L	7
TREE	320623.57	-1105557.66	1A	2635		6	6	-8	-691		*284L	10
TREE	320619.16	-1105552.74	1A	2640		11	11	-3	-76		*299L	12
FENCE	320616.99	-1105548.80	1A	2636		7	7	-7	319		214L	4
TREE	320615.40	-1105546.31	1A	2645		16	16	2	584		176L	5
BUSH	320616.43	-1105544.22	1A	2642		13	13	-1	638		25R	0
BUSH	320617.69	-1105541.39	1A	2641		12	12	-2	720		287R	-3
BLDG	320613.49	-1105536.08	1A	2641		12	12	-2	1343		310R	-21
TREE	320609.84	-1105539.81	1A	2656		27	27	13	1377		177L	-7
BUSH	320610.51	-1105532.77	1A	2644		15	15	1	1757		299R	-31
BUSH	320604.91	-1105525.77	1A	2656		27	27	13	2582		325R	-43
VENT	320605.29	-1105522.45	1A	2646		17	17	3	2758		554R	-57
BUSH	320603.17	-1105523.75	1A	2655		26	26	12	2830		323R	-51
BUSH	320601.36	-1105520.74	1A	2658		29	29	15	3142		378R	-57
BUSH	320559.25	-1105519.16	1A	2663		34	34	20	3389		323R	-60
OL ON LOC	320553.51	-1105506.12	1A	2669		40	40	26	4593		707R	-89

OBSTRUCTION INFORMATION (CONTINUED)

ADSAZ430

29L	SUPLC	(CONTINUED)											
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
VORTAC		320542.74	-1105453.48	1A	2712		83	83	69	6131		707R	-91

ARP	HCT											
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR	
BUSH		320704.33	-1105647.65	1A	2595		-48		27926	1834	-16	
ANT AND APBN ON OL ATCT		320722.56	-1105631.56	1A	2734		91		34106	2514	52	
BUSH		320634.14	-1105610.81	1A	2627		-16		13732	2807	1	
ANT ON OL TK		320622.36	-1105643.07	1A	2735		92		18854	3828	-58	
TREE		320623.57	-1105557.66	1A	2635		-8		13201	4326	6	
BLDG		320729.17	-1105705.02	1A	2578		-65		30315	4505	2	
OL ON POLE		320658.53	-1105722.47	1A	2642		-1		25928	4711	-5	
TREE		320619.16	-1105552.74	1A	2640		-3		13110	4937	5	
TREE		320701.11	-1105729.18	1A	2579		-64		26213	5298	18	
BUSH		320750.15	-1105640.27	1A	2575		-68		33708	5391	1	
BUSH		320659.28	-1105731.31	1A	2572		-71		26009	5473	11	
ANT ON HGR		320725.16	-1105724.92	1A	2625		-18		28756	5640	-79	
BUSH		320655.27	-1105733.92	1A	2583		-60		25601	5702	1	
ANT ON OL RTR		320646.85	-1105732.96	1A	2647		4		24727	5724	-33	
BUSH		320703.12	-1105736.42	1A	2574		-69		26348	5935	2	
POLE		320648.56	-1105738.35	1A	2616		-27		24952	6150	-2	
POLE		320704.60	-1105739.15	1A	2610		-33		26459	6183	0	
OL ON TK		320757.92	-1105702.94	1A	2691		48		32209	6782	-65	
OL ON LT		320620.14	-1105512.45	1A	2725		82		10913	7515	-62	
BUSH		320607.79	-1105514.01	1A	2662		19		11719	8113	14	
BUSH		320605.14	-1105509.83	1A	2674		31		11713	8562	17	
STK		320825.47	-1105608.29	1A	2650		7		35922	9007	-38	
VORTAC		320542.74	-1105453.48	1A	2712		69		12150	11109	-81	
OL ON TWR		320907.00	-1105533.00	1A	2831	246	188		831	13870	38	
CACTUS		320626.10	-1105910.82	1A	2859		216		24548	14395	66	
TRMSN TWR		320650.27	-1105333.12	1A	2796		153		8137	15037	-11	
TRMSN TWR		320641.87	-1105333.14	1A	2792		149		8450	15103	-1	
TRMSN TWR		320559.53	-1105333.18	1A	2817		174		10008	16131	24	
PIPE		320649.73	-1105314.70	1A	2803		160		8132	16622	-75	
TRMSN TWR		320534.89	-1105333.16	1A	2812		169		10753	17200	19	

ARP HCT (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL HAA	MAG BEARING	DISTANCE	PNTR
CATENARY	320527.97	-1105333.16	2M	2818	175	10952	17553	25
TRMSN TWR	320526.61	-1105333.15	1A	2819	176	11015	17624	24
TRMSN TWR	320453.94	-1105333.49	1A	2853	210	11834	19535	-26
GRD	321102.84	-1110338.67	1A	3856	1213	29228	44566	-37

ADDITIONAL INFORMATION:

AERONAUTICAL DATA IS AVAILABLE ON THE INTERNET AT [HTTP://WWW.NGS.NOAA.GOV](http://www.ngs.noaa.gov).

ADDITIONAL INFORMATION ON DATA STANDARDS CAN BE FOUND IN FAA NO. 405, "STANDARDS FOR AERONAUTICAL SURVEYS AND RELATED PRODUCTS".

AN ASTERISK "*" INDICATES THAT THIS OBJECT IS OUTSIDE, BUT WITHIN 50 FEET, OF THE OBSTRUCTION IDENTIFICATION SURFACE.