SUMMARY OF BALLOON FLIGHTS *

LAUNCHED FROM H.A.F.B. NM.

(1962 thru 1985 87)

* Those which floated for at least 3 hours at a constant float altitude, had their payloads recovered, and an accurate impact area of the payload was given.

SUMMARY OF FLIGHTS BY MONTH AND ALTITUDE

Date	Float Altitude	Flight Duration	Payload Impact Area
Jan 27, 1978	109K	7Hrs	30 mi. E of Pecos, TX
Jan 13, 1966	103K	7½Hrs	50 mi. N of Memphis, TN
Jan 11, 1977	103K	5½Hrs	58 mi. NNW of TCC
Jan 23, 1968	98K	3½Hrs	25 mi. NW of CNM
Jan 6, 1972	95K	13½Hrs	45 mi. NNE of LOA.
Jan 4, 1974	95K	12Hrs	1 mi. W of Three Rivers, NM
Jan 13, 1987	91K	5¾ hrs	30mi NE of ROW
Jan 14, 1965	82K	3½Hrs	70 mi. ESE of ELP
Jan 29, 1965	81K	4Hrs	6 mi. WSW of Del City, TX
Jan 30, 1973	80K	5½Hrs	13 mi. W of PIO
Jan 13, 1977	80K	3½Hrs	37 mi. N of ROW
Jan 24, 1980	78K	8Hrs	5 mi. SSW of CNM
Feb 7, 1982	130K	6Hrs	225 mi. ESE of Guthrie, TX
Feb 28, 1984	120K	9Hrs	10 mi. SW of GBN
Feb 5, 1965	113K	4Hrs	10 mi. W of PIO
Feb 24, 1966	110K	5½Hrs	90 mi. SSE of Childress, TX
Feb 4, 1966	107K	8½Hrs	25 mi. N of MWL
Feb 10, 1980	107K	4Hrs	32 mi. NE of LBB
Feb 10, 1970	106K	8Hrs	3 mi. ENE of Nacodoches, TX
Feb 18, 1965	106K	6½Hrs	35 mi. SW of LBB
Feb 13, 1976	105K	5½Hrs	27 mi. NE of HOB
Feb 16, 1984	101K	6¼Hrs	37 mi. N of EWN
Feb 26, 1976	101K	7¼Hrs	20 mi. ESE of HMN
Feb 18, 1983	100K	5Hrs	43 mi. NE of EWN
Feb 25, 1969	100K	3½Hrs	20 mi. NNW of HOB
Feb 4, 1970	99K	7½Hrs	15 mi. N of GGG
Feb 5, 1980	99K	4¼Hrs	12 mi. NE of CNM

Date	Float Altitude	Float Duration	Payload Impact Area
Nov 17, 1967	105K	5Hrs	42 mi. NNE of MAF
Nov 2, 1976	102K	4½Hrs	24 mi. NNE of CMN
Nov 30, 1966	100K	3½Hrs	29 mi. SE of ELP
Nov 19, 1980	99K	4Hrs	37 mi. ENE of HOB
Nov 13, 1969	93K	11½Hrs	2 mi. SE of ACT
Nov 4, 1967	93K	4½Hrs	17 mi. N of MAF
Nov 18, 1976	90K	6½Hrs	23 mi. NW of TCS
Nov 8, 1976	89K	4Hrs	7 mi. ESE of Tatum, NM
Nov 2, 1971	89K	3½Hrs	30 mi. NNE of HOB
Nov 18, 1978	89K	5Hrs	35 mi. NE of LBB
Nov 12, 1964	87K	3Hrs	20 mi. NNE of HOB
Nov 18, 1964	82K	3½Hrs	7 mi. SSE of CVS
Nov 4, 1976	81K	5½Hrs	3 mi. ESE of CNM
Nov 4, 1974	80K	3½Hrs	35 mi. ENE of HOB
Nov 28, 1980	80K	6Hrs	15 mi. NE of LBB
Nov 7, 1964	76K	36½Hrs	55 mi. NE of Dallas, TX
Nov 22, 1976	70K	5Hrs	7 mi. SSW of Artesia, NM
Nov 5, 1975	69K	3½Hrs	17 mi. S of PIO
Nov 17, 1978	69K	4¼Hrs	44 mi. NE of ROW
Nov 15, 1979	67K	8¼Hrs	10 mi. WNW of Jal, TX
Nov 5, 1974	57K	3Hrs	30 mi. NNW of HOB
Dec 6, 1965	124K	9Hrs	23 mi. E of Tampa, FL
Dec 3, 1976	121K	6Hrs	6 mi. SSE of Taylor, TX
Dec 16, 1968	116K	4Hrs	18 mi. E of Paducah, TX
Dec 9, 1968	103K	4Hrs	32 mi. S of HOB
Dec 10, 1969	101K	3½Hrs	1 mi. SE of Odessa, TX
Dec 9, 1966	98K	5½Hrs	10 mi. N of Cross Plains, TX
Dec 6, 1974	91K	4½Hrs	20 mi. NE of MAF
Dec 12, 1974	80K	3Hrs	23 mi. E of Newman, TX
Dec 2, 1975	61K	3Hrs	43 mi. NE of ROW

Date	Float Altitude	Float Duration	Payload Impact Area
Oct 13, 1962	101K	4Hrs	8 mi. NE of Las Cruces, NM
Oct 7, 1981	101K	6¼Hrs	39 mi. NE of TCS
Oct 22, 1968	100K	6Hrs	3 mi. S of William, TX
Oct 11, 1983	99K	6¼Hrs	11.5 mi. ENE of HOB
Oct 24, 1985	98.4K	6½Hrs.	17 mi. ENE of ROW
Oct 29, 1975	91K	4Hrs	13 mi. SW of HOB
Oct 22, 1971	90K	7Hrs	28 mi. ENE of ELP
Oct 9, 1964	90K	5Hrs	32 mi. NNE of HAFB
Oct 26, 1974	88K	4Hrs	1 mi. N of Crosbyton, TX
Oct 24, 1972	88K	5Hrs	30 mi. SE of CNM
Oct 30, 1964	88K	3½Hrs	45 mi. NW of HOB
Oct 3, 1979	88K	9½Hrs	40 mi. SSW of ROW
Oct 9, 1980	88K	7¼Hrs	21 mi. E of TCS
Oct 28, 1964	83K	5½Hrs	23 mi. NNW of BGS
Oct 28, 1971	82K	4Hrs	15 mi. NE of ROW
Oct 30, 1962	82K	35Hrs	90 mi. WNW of Laredo, TX
Oct 13, 1965	81K	9½Hrs	30 mi. SE of ROW
Oct 19, 1979	78K	5½Hrs	8 mi. NW of HOB
Oct 5, 1978	71K	10½Hrs	41 mi. SE of ROW
Oct 20, 1971	69K	4Hrs	4 mi. NNE of HMN
Oct 16, 1979	69K	7Hrs	15 mi. SSE of ROW
Oct 12, 1965	65K	3Hrs	20 mi. N of PIO
Nov 18, 1966	132K	11Hrs	12 mi. SW of Chatsworth, Ga
Nov 7, 1978	119K	7½Hrs	41 mi. WNW of HOB
Nov 2, 1969	109K	3Hrs	37 mi. W of BGS
Nov 18, 1970	108K	4Hrs	15 mi. SE of Haskell, TX
Nov 11, 1970	107K	28Hrs	60 mi. WNW of Charleston, SC
Nov 3, 1972	106K	4Hrs	17 mi. NE of LBB

Date	Float Altitude	Float Duration	Payload Impact Area
Sep 26, 1975	101K	6½Hrs	9 mi. ESE of DMN
Sep 28, 1967	101K	6½Hrs	16 mi. SE of DMN
Sep 4, 1969	96K	6Hrs	13 mi. ENE of TCS
Sep 21, 1965	83K	8½Hrs	32 mi. SW of ROW
Sep 22, 1971	79K	5½Hrs	50 mi. NNE of HMN
Sep 1, 1965	78K	3½Hrs	45 mi. ENE of DMN
Sep 30, 1964	78K	5Hrs	12 mi. S of HAFB
Sep 4, 1968	76K	23½Hrs	45 mi. NE of DMN
Sep 10, 1965	76K	6½Hrs	35 mi. NNW of HAFB
Sep 16, 1972	60K	3½Hrs	12 mi. NE of HMN
Oct 5, 1985	131.4K	12¼Hrs	13 mi. SE of SJT
Oct 7, 1969	130K	7Hrs	23 mi. N of MWL
Oct 9, 1975	129K	10Hrs	17 mi. NNE of PVW
Oct 5, 1983	128K	7¼Hrs	55 mi. NE of LBB
Oct 27, 1978	128K	3½Hrs	33 mi. W of HOB
Oct 4, 1982	127K	13¼Hrs	18 mi. S of BGS
Oct 8, 1981	120K	54½Hrs	21 mi. NE of Fam, Mo
Oct 17, 1978	116K	8Hrs	20 mi. NE of ROW
Oct 11, 1963	113K	7½Hrs	15 mi. S of HOB
Oct 8, 1963	112K	26½Hrs	30 mi. NNW of Childress, TX
Oct 20, 1981	106K	4¼Hrs	13.5 mi. SE of ROW
Oct 25, 1966	106K	27Hrs	8 mi. W of O'Brien, TX
Oct 24, 1969	105K	14Hrs	30 mi. NNE of Pioria, ILL
Oct 8, 1968	104K	4Hrs	5 mi. W of La Luz, NM
Oct 21, 1962	104K	27Hrs	Bluefield, WVa
Oct 8, 1980	102K	5½Hrs	7 mi. N of HMN
Oct 23, 1983	101K	4Hrs	24.6 mi. SE of ROW
Oct 10, 1968	101K	7½Hrs	10 mi. E of ROW

Date	Float Altitude	Float Duration	Payload Impact Area
Aug 26, 1966	131K	10Hrs	45 mi. NW of PHX
Aug 2, 1971	130K	5Hrs	48 mi. SW of TUS
Aug 4, 1984	126K	6Hrs	13 mi. E of PHX
Aug 12, 1965	110K	10Hrs	37 mi. SE of YUM
Aug 21, 1979	110K	3½Hrs	40 mi. SSE of ROW
Aug 15, 1980	107K	12Hrs	21 mi. E of Needles, Ca
Aug 27, 1969	106K	7½Hrs	18 mi. W of GBN
Aug 7, 1968	104K	8½Hrs	80 mi. SW of BLH
Aug 30, 1976	102K	3Hrs	48 mi. NNW of SSO
Aug 8, 1966	101K	4Hrs	35 mi. NE of DMN
Aug 29, 1973	89K	4½Hrs	10 mi. S of TCS
Aug 21, 1976	88K	4Hrs	9.5 mi. SSE of Safford, Az
Aug 2, 1974	81K	4Hrs	6 mi. NW of SSO
Aug 23, 1976	79K	4Hrs	43 mi. SW of DMN
Aug 22, 1973	70K	3Hrs	21 mi. ENE of TCS
Aug 31, 1971	55K	4½Hrs	7 mi. NE of HMN
Sep 18, 1972	160K	4Hrs	12 mi. SSW of TCS
Sep 7, 1966	134K	11Hrs	5 mi. W of DUG
Sep 2, 1966	129K	9½Hrs	30 mi. N of PHZ
Sep 25, 1969	126K	25½Hrs	60 mi. S of BGS
Sep 29, 1981	127K	5¼Hrs	16 mi. NE of TCS
Sep 25, 1976	125K	25Hrs	18 mi. W of PLO
Sep 24, 1975	123K	32Hrs	34 mi. SW of SJN
Sep 1, 1976	119K	6Hrs	10 mi. WNW of TCS
Sep 13, 1979	119K	5Hrs	31 mi. S of TCS
Sep 27, 1979	115K	12½Hrs	35 mi. NW of HMN
Sep 3, 1969	109K	8Hrs	30 mi. NW of SSO
Sep 20, 1963	109K	7½Hrs	45 mi. NE of TCS

Date	Float Altitude	Float Duration	Payload Impact Area
Jul 1, 1965	114K	7Hrs	55 mi. SSE of PHX
Jul 23, 1962	105K	4Hrs	25 mi. NW of Lordsburg, NM
Jul 18, 1969	103K	6½Hrs	10 mi. E of YUM
Jul 1, 1974	102K	8Hrs	19 mi. SE of CZG
Jul 26, 1979	102K	9Hrs	25 mi. N of Buckeye, AZ
Jul 11, 1970	99K	3Hrs	24 mi. NW of SVC
Jul 11, 1967	99K	5Hrs	8 mi. WNW of TCS
Jul 5, 1979	99K	4Hrs	32 mi. SSE of TCS
Jul 23, 1975	88K	7½Hrs	20 mi. NW of TUS
Jul 18, 1978	88K	5¼Hrs	92 mi. W of SVC
Jul 29, 1980	87K	7½Hrs	24 mi. W of TUS
Jul 18, 1963	82K	98Hrs	34° 12' N; 131° 48' W (Pacific Ocean)
Jul 17, 1963	82K	51Hrs	31° 48' N; 131° 48' W (Pacific Ocean)
Jul 22, 1978	81K	5¼Hrs	50 mi. WSW of DMN
Jul 16, 1975	80K	5Hrs	25 mi. ESE of CZG
Jul 24, 1979	80K	9Hrs	28 mi. W of PHX
Jul 23, 1980	76K	6Hrs	12 mi. NE of SSO
Jul 23, 1974	72K	6½Hrs	11 mi. W of Springerville, AZ
Jul 20, 1975	70K	4½Hrs	3 mi. E of Red Rock, NM
Jul 25, 1978	70K	5Hrs	27 mi. N of DMN
Jul 17, 1979	69K	4½Hrs	18 mi. N of DMN
Jul 7, 1981	68K	3½Hrs	17 mi. E of TCS
Jul 25, 1980	68K	4Hrs	30 mi. S of TCS
Jul 30, 1973	66K	3½Hrs	5 mi. W of DMN
Jul 1, 1969	63K	29Hrs	8 mi. NE of CZG
Jul 26, 1974	56K	3½Hrs	16 mi. W of Newman, TX

Date	Float Altitude	Float Duration	Payload Impact Area
Jun 2, 1975	100K	26½Hrs	37 mi. WSW of PHX
Jun 13, 1969	100K	4½Hrs	17 mi. NW of HMN
Jun 2, 1964	100K	26Hrs	12 mi. SSE of Ray, AZ
Jun 25, 1968	99K	3½Hrs	35 mi. SSE of TCS
Jun 13, 1970	97K	5Hrs	58 mi. NW of TCS
Jun 18, 1969	94K	3Hrs	9 mi. E of HMN
Jun 5, 1973	93K	10Hrs	25 mi. NW of HMN
Jun 28, 1979	92K	3Hrs	33 mi. SE of TCS
Jun 9, 1971	91K	6Hrs	43 mi. NW of TCS
Jun 23, 1976	90K	5½Hrs	35 mi. NW of TCS
Jun 22, 1973	90K	4½Hrs	40 mi. W of DMN
Jun 20, 1974	89K	4½Hrs	5 mi. NE of Bayard, NM
Jun 14, 1965	85K	6½Hrs	50 mi. NNW of HAFB
Jun 25, 1976	70K	4½Hrs	1 mi. S of Three Rivers,
Jun 4, 1973	70K	5½Hrs	20 mi. E of HMN
Jun 19, 1976	69K	3½Hrs	12 mi. NE of HAFB
Jun 2, 1966	68K	6Hrs	4 mi. SW of Riverside, NM
Jun 7, 1968	64K	5½Hrs	20 mi. SSE of ABQ
Jun 25, 1979	63K	4Hrs	12 mi. SW of HAFB
Jul 20, 1978	131K	6½Hrs	63 mi. W of TUS
Jul 18, 1966	125K	4½Hrs	20 mi. S of CZG
Jul 19, 1963	122K	6Hrs	15 mi. NE of Ajo, AZ
Jul 7, 1976	120K	5Hrs	6 mi. WNW of GBN
Jul 12, 1966	118K	4½Hrs	20 mi. S of PHX
Jul 28, 1978	115K	8Hrs	26 mi. WNW of Buckeye, AZ
Jul 28, 1979	115K	8¼Hrs	12 mi. W of GBN

Date	Float Altitude	Float Duration	Payload Impact Area
May 22, 1974	91K	20½Hrs	6 mi. E of Stallion, NM
May 24, 1973	90K	8½Hrs	45 mi. NE of HOB
May 25, 1972	89K	4Hrs	25 mi. NE of PIO
May 15, 1975	87K	7Hrs	9 mi. NNE of DMN
May 4, 1963	87K	6Hrs	9 mi. SE of San Antonio, NM
May 13, 1974	84K	6Hrs	16 mi. NE of HMN
May 19, 1962	83K	7½Hrs	51 mi. NE of Alamogordo, NM
May 16, 1977	82K	5Hrs	18 mi. W of ROW
May 6, 1977	80K	5Hrs	40 mi. NW of ROW
May 14, 1965	75K	4½Hrs	25 mi. NNE of HAFB
May 16, 1987	72K	5½Hrs	15 mi NE of DEN
Jun 14, 1985	129.1K	11¼Hrs	18 mi. WSW of AHX
Jun 6, 1966	124K	11½Hrs	7 mi. E of Coolidge, AZ
Jun 26, 1974	120K	5Hrs	11 mi. NW of CZG
Jun 4, 1969	113K	9½Hrs	40 mi. S of GBN
Jun 21, 1965	112K	22Hrs	25 mi. WNW of ABQ
Jun 17, 1970	109K	9½Hrs	25 mi. W of CZG
Jun 27, 1969	109K	8½Hrs	35 mi. SE of CZG
Jun 30, 1964	108K	6½Hrs	20 mi. SE of Coolidge, AZ
Jun 13, 1980	108K	11½Hrs	30 mi. N of TCS
Jun 19, 1969	106K	4Hrs	15 mi. NNW of HMN
Jun 17, 1986	105K	4hrs	18 mi. S of TCS
Jun 6, 1967	104K	5Hrs	8 mi. WNW of TCS
Jun 24, 1983	103K	13Hrs	13 mi. SSE of PHX
Jun 1, 1967	103K	5Hrs	38 mi. NW of ROW
Jun 21, 1979	103K	10Hrs	28 mi. NNW of SVC
Jun 29, 1976	102K	5½Hrs	39 mi. WNW of SVC
Jun 12, 1962	102K	5Hrs	5 mi. E of San Antonio, TX
Jun 29, 1971	101K	6½Hrs	7 mi. NE of Florence, AZ

Date	Float Altitude	Flight Duration	Payload Impact Area
May 14, 1962	138K	9½Hrs	28 mi. W of ROW
May 21, 1982	128K	7½Hrs	19 mi. ESE of TCS
May 16, 1983	126K	11Hrs	27 mi. NNW of HOB
May 10, 1976	122K	29½Hrs	12 SE of Lordsburg, NM
May 13, 1977	118K	5Hrs	41 mi. NE of EWM
May 9, 1972	118K	27½Hrs	25 mi. ESE of Texico, NM
May 12, 1978	118K	9½Hrs	43 mi. ISE of ROW
May 28, 1965	109K	4Hrs	69 mi. EME of ONM
May 5, 1966	109K	7½Hrs	10 mi. SSE of Tularosa, NM
May 1, 1969	108K	8½Hrs	27 mi. N of HOB
May 26, 1965	107K	3½Hrs	30 mi. ESE of ROW
May 15, 1985	106K	8½Hrs	15 mi. S of ALM
May 20, 1969	106K	6Hrs	18 mi. WSW of ROW
May 19, 1964	106K	26Hrs	15 mi. W of HAFB
May 27, 1980	105K	7Hrs	19 mi. N of OMN
May 4, 1978	102K	7Hrs	65 mi. E or ROW
May 10, 1977	102K	4½Hrs	10 mi. N of Elk, NM
May 3, 1963	99K	6Hrs	34 mi. WSW of ROW
May 4, 1979	99K	15¼Hrs	15 mi. E of Hope, NM
May 4, 1979	99K	11Hrs	9 mi. NE of Hatch, NM
May 5, 1980	98K	6Hrs	18 mi. E of ROW
May 6, 1970	97K	5½Hrs	30 mi. NE of HMN
May 20, 1965	97K	4½Hrs	15 mi. NW of ROW
May 29, 1973	96K	8Hrs	17 mi. N of DMN
May 20, 1983	95K	7Hrs	27 mi. NNW of ROW
May 17, 1973	95K	8Hrs	38 mi. N of ELP
May 22, 1969	95K	3½Hrs	42 mi. N of HMN
May 28, 1968	93K	4Hrs	35 mi. SE of TCS

Date	Float Altitude	Flight Duration	Payload Impact Area
Apr 29, 1965	97K	14¼Hrs	150 mi. WSW of Tampa, FL
Apr 30, 1963	97K	7Hrs	40 mi. NNE of HAFB
Apr 24, 1968	96K	4½Hrs	16 mi. SSW of ROW
Apr 6, 1973	94K	4Hrs	30 mi. N of HOB
Apr 28, 1978	94K	11¼Hrs	29 mi. SW of HOB
Apr 5, 1981	90K	5½Hrs	24 mi. WNW of MAF
Apr 9, 1974	90K	3Hrs	18 mi. E of CNM
Apr 15, 1978	90K	6Hrs	36 mi. SE of ROW
Apr 15, 1975	88K	4Hrs	46 mi. ESE of ROW
Apr 4, 1980	84K	9Hrs	7 mi. NE of CNM
Apr 17, 1979	81K	5½Hrs	49 mi. NE of ROW
Apr 7, 1972	81K	4½Hrs	33 mi. SSE of ROW
Apr 12, 1974	81K	4Hrs	20 mi. NE of CNM
Apr 11, 1973	81K	3½Hrs	50 mi. NE of ROW
Apr 13, 1978	80K	7Hrs	25 mi. NW of ROW
Apr 10, 1980	75K	10Hrs	35 mi. SSE of HMN
Apr 6, 1979	71K	4½Hrs	19 mi. W of LBB
Apr 14, 1980	71K	6Hrs	27 mi. W of Salt Flats, TX
Apr 4, 1972	71K	5Hrs	3 mi. SW of CNM
Apr 16, 1974	71K	3½Hrs	7 mi. SSE of ROW
Apr 22, 1974	70K	4Hrs	29 mi. SW of ROW
Apr 18, 1977	70K	4Hrs	14 mi. S of ROW
Apr 12, 1973	70K	7Hrs	40 mi. SE of HMN
Apr 12, 1975	69K	4Hrs	15 mi. W of Tatum, NM
Apr 24, 1973	69K	4Hrs	25 mi. ESE of PIO
Apr 18, 1966	66K	32¼Hrs	40 mi. SE of Dayton, OH
May 25, 1966	135K	9Hrs	15 mi. SW of PHX

Date	Float Altitude	Flight Duration	Payload Impact Area
Mar 14, 1963	100K	3½Hrs	4 mi. SSW of LBB
Mar 4, 1970	97K	4Hrs	45 mi. ESE of LBB
Mar 24, 1978	97K	3½Hrs	47 mi. NE of HOB
Mar 23, 1979	96K	5½Hrs	62 mi. SSE of LBB
Mar 6, 1985	95.7K	4½Hrs	40 mi. NNW of ROW
Mar 7, 1963	95K	5Hrs	10 mi. NE of Spur, TX
Mar 7, 1966	82K	5Hrs	15 mi. N of LBB
Mar 24, 1982	75K	5½Hrs	17 mi. E of CMN
Mar 9, 1972	71K	5Hrs	9 mi. S of HMN
Apr 22, 1981	130K	8Hrs	Benson, AZ
Apr 19, 1978	130K	9Hrs	15 mi. W of Brownwood, TX
Apr 27, 1980	130K	9Hrs	66 mi. NE of ROW
Apr 20, 1983	129K	5¾Hrs	34 mi. NNE of TXO
Apr 27, 1966	129K	13½Hrs	30 mi. SSE of END
Apr 5, 1982	122K	6½Hrs	48 mi. ESE of ROW
Apr 27, 1973	122K	6Hrs	10 mi. NNE of CNM
Apr 24, 1979	115K	11½Hrs	22 mi. NE of CNM
Apr 9, 1981	114K	6Hrs	20 mi. E of ROW
Apr 28, 1969	107K	29½Hrs	28 mi. E of IDU
Apr 4, 1971	106K	5Hrs	30 mi. ESE of Hudspeth, NM
Apr 6, 1972	106K	3½Hrs	20 mi. E of HOB
Apr 25, 1962	105K	7½Hrs	10 mi. SSE of Balmorhea, T
Apr 30, 1985	104.3K	6½Hrs	42 mi. W of MAF
Apr 12, 1968	104K	6½Hrs	17 mi. N of CNM
Apr 17, 1973	104K	4½Hrs	20 mi. NNE of MAF
Apr 19, 1968	103K	5½Hrs	20 mi. WNW of ROW
Apr 5, 1971	103K	7Hrs	35 mi. SE of HOB
Apr 21, 1979	101K	6Hrs	21 mi. N of CNM
Apr 23, 1971	99K	3½Hrs	42 mi. E of ROW

Date	Float Altitude	Flight Duration	Payload Impact Area
Feb 2, 1980	99K	3Hrs	17 mi. SSE of HOB
Feb 23, 1979	98K	9Hrs	22 mi. NE of SPS
Feb 27, 1968	96K	8Hrs	80 mi. NE of TXK
Feb 9, 1975	96K	7Hrs	23 mi. N of BGS
Feb 9, 1970	95K	5½Hrs	52 mi. S of SPS
Feb 15, 1978	95K	4¼Hrs	18 mi. NW of HOB
Feb 26, 1964	93K	3Hrs	Hagerman, NM
Feb 25, 1971	92K	3½Hrs	10 mi. ENE of LBB
Feb 23, 1976	89K	3½Hrs	10 mi. SE of SVC
Feb 21, 1964	88K	5Hrs	25 mi. SE of PIO
Feb 23, 1966	87K	5½Hrs	60 mi. NNW of ABI
Feb 8, 1979	84K	4¼Hrs	15 mi. SE of HMN
Feb 15, 1979	83K	7Hrs	48 mi. N of ROW
Feb 20, 1970	82K	7½Hrs	42 mi. ENE of Amarillo, TX
Feb 15, 1976	79K	4Hrs	24 mi. W of ROW
Feb 2, 1980	78K	6Hrs	27 mi. E of MAF
Feb 17, 1976	71K	3½Hrs	25 mi. SE of ROW
Feb 9, 1979	67K	11½Hrs	27 mi. S of HOB
Mar 17, 1976	121K	6½Hrs	30 mi. SSW of DEM
Mar 12, 1964	113K	6Hrs	8 mi. N of TCS
Mar 23, 1981	110K	5Hrs	25 mi. SE of HOB (Sunset Launch)
Mar 24, 1967	106K	8Hrs	20 mi. SE of Amarillo, TX
Mar 14, 1968	105K	7½Hrs	50 mi. NW of LFK
Mar 20, 1963	105K	4½Hrs	45 mi. SSE of LBB
Mar 27, 1968	103K	4½Hrs	30 mi. NNE of ROW
Mar 11, 1982	102K	4½Hrs	55 mi. NE of HOB

DETACHMENT 1, AIR FORCE GEOPHYSICS LABORATORY
HOLLOMAN AIR FORCE BASE

OUR MISSION HERE AT DETACHMENT 1, AF GEOPHYSICS LAB IS TO FLY HIGH ALTITUDE SCIENTIFIC EXPERIMENTAL PACKAGES. WE DO THIS USING BALLOONS RANGING FROM 70 TO 400 FEET IN DIAMETER. WELL NOW YOU MIGHT ASK, "IN THIS DAY AND AGE, WHY BALLOONS?", THE FOLLOWING LISTS A FEW REASONS WHY: (1) BALLOON FLIGHT CAN BE SUSTAINED UP TO A PERIOD OF DAYS, (2) THEY PROVIDE MINIMUM DISTURBANCE IN THE SURROUNDING AREA TO OBTAIN MORE ACCURATE DATA, (3) BALLOONS ARE CAPABLE OF REACHING AN ALTITUDE OF 170,000 FEET WITH PAYLOAD WEIGHT VARYING BETWEEN 500 AND 15,000 POUNDS, AND (4) BALLOONS ARE OFTEN LESS EXPENSIVE THAN OTHER METHODS. SOME EXAMPLES OF WHAT OUR EXPERIMENTS DEAL WITH ARE HIGH ALTITUDE TELESCOPE STUDIES, ULTRA VIOLET RADIATION, DUST PARTICLES, OZONE LAYER SAMPLES, RADIO FREQUENCY TRANSMISSION, AIR SAMPLES, ATMOSPHERIC, AEROSOL AND GEOPHYSICAL STUDIES, HIGH ALTITUDE PROTOTYPE PARACHUTE TESTS, AND HIGH ALTITUDE TETHERED BALLOON OPERATIONS. AFTER THE BALLOON HAS REACHED ITS DESIRED DESTINATION, THE BALLOON AND PAYLOAD ARE RECOVERED AND RETURNED TO THE DETACHMENT FOR INSPECTION AND ANALYSIS.

CB DATED FEBRUARY 1978 OBSOLETE

PREPARED BY: USAFETAC
APRIL 1982

STATION NAME: HOLLOMAN AFB NM
LOCATION: N32 51 W106 06

PERIOD: SEP 42-DEC 81 B
ELEV: 4093 FT

STN LTRS: HMN
MSC NO: 747320

AWS CLIMATIC BRIEF -

MONTH	TEMPERATURE (°F) MEAN DAILY MAX	MEAN DAILY MIN	MEAN MONTHLY	EXTREME MAX	EXTREME MIN	PRECIPITATION (IN) MONTHLY MEAN	MONTHLY MAX	MONTHLY MIN	MAX 24 HRS	SNOWFALL (IN) MONTHLY MEAN	MONTHLY MAX	MAX 24 HRS
JAN	54	28	41	78	-11	.5	1.9	.0	1.2	1	7	4
FEB	60	31	46	80	0	.4	1.4	#	.6	1	6	4
MAR	66	37	52	90	9	.3	3.0	.0	1.3	#	3	2
APR	76	45	61	94	23	.2	.8	.0	.7	#	#	#
MAY	84	54	69	103	26	.4	2.9	.0	1.8	0	0	0
JUN	94	64	79	109	44	.7	3.6	#	1.9	0	0	0∂
JUL	93	68	81	108	52	1.2	3.7	#	1.4	0	0	0
AUG	91	66	79	106	54	1.3	4.4	.2	1.2	0	0	0
SEP	86	60	73	102	38	1.2	3.9	#	2.1	0	0	0
OCT	76	48	62	92	26	.9	4.2	.0	1.8	#	1	1
NOV	63	35	49	82	3	.3	2.5	.0	1.2	1	6	4
DEC	55	28	42	75	2	.5	2.4	.0	.9	1	18	7
ANN	75	47	61	109	-11	7.9	4.4	.0	2.1	4	18	7
EYR	38	38	38	38	38	38	38	38	38	35	35	35

MONTH	MEAN RELATIVE HUMIDITY (%) LST 04	LST 13	MEAN VAPOR PRESSURE (IN Hg)	MEAN DEW PT (°F)	PRESSURE ALTITUDE (FT) 99.95%	SURFACE WINDS PVLG DRCTN (16 PT)	SPEED MEAN (KT)	SPEED MAX (KT) **	MEAN CLOUD COVER (tenths)
JAN	66	42	.14	25	4450	$ N	4	67	5
FEB	61	35	.14	25	4500	$ N	4	49	5
MAR	51	27	.12	23	4550	S	6	51	5
APR	40	19	.14	25	4500	S	7	49	4
MAY	42	20	.18	32	4450	S	6	57	4
JUN	42	19	.26	41	4350	S	6	55	4
JUL	60	31	.42	54	4250	$ S	5	57	6
AUG	66	35	.44	55	4250	$ S	5	58	5
SEP	68	38	.38	51	4300	$ S	4	45	4
OCT	61	34	.23	38	4400	$ S	4	50	3
NOV	61	34	.15	27	4450	$ S	4	58	4
DEC	63	37	.12	23	4450	$ N	4	49	4
ANN	57	31	.20	35	4450	$ S	5	67	4
EYR	10	10	10	10	10	10	10	30	10

MONTH	MEAN NUMBER OF DAYS OCCURRENCE OF: PRECIP (IN) ≥ 0.01	PRECIP (IN) ≥ 0.5	SNOWFALL (IN) ≥ 0.1	SNOWFALL (IN) ≥ 1.5	THUNDERS	STORMS	FOG VSBY < 7 MI	TEMPERATURE (°F) MAX ≥ 100	MAX ≥ 95	MIN ≤ 32	MIN ≤ 20
JAN	4	#	1	#	#	2	0	0	22	4
FEB	3	#	1	#	#	1	0	0	16	2
MAR	2	#	#	#	1	1	0	0	9	#
APR	2	#	0	0	1	#	0	0	1	0
MAY	2	#	0	0	3	#	#	1	#	0
JUN	3	#	0	0	7	#	5	14	0	0
JUL	7	#	0	0	13	#	4	14	0	0
AUG	7	1	0	0	11	#	2	10	0	0
SEP	5	1	0	0	5	1	#	2	0	0
OCT	4	1	#	0	2	1	0	0	1	0
NOV	2	#	#	#	#	1	0	0	12	1
DEC	3	#	1	#	#	2	0	0	23	4
ANN	44	3	3	#	43	9	11	41	84	11
EYR	38	38	35	35	35	35	38	38	38	38

REMARKS:
RUSSWO POR
HOURLY OBS: JAN 68 - DEC 70, JAN 75 - DEC 81
DAILY OBS: SEP 42 - MAR 46, MAY 46 - DEC 81

NOTE: * DATA NOT AVAILABLE # AMTS < UNITS SHOWN IN HEADING ** MAX HRLY WND SP CLASS INT $ % CALM GRTR % PLVG. DRCTN ∂ BASED ON < FULL MONTHS

CAV FREQ (%)	HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
CEILING LESS THAN 3000 FT AND/OR VISIBILITY LESS THAN 3 MI	00-02	5	3	2	#	0	0	#	0	2	2	3	2	2	
	03-05	6	3	1	#	#	0	1	#	2	3	4	3	2	
	06-08	8	4	2	#	#	#	1	#	2	2	3	3	2	
	09-11	7	4	3	1	#	0	#	#	3	2	3	3	2	
	12-14	5	3	4	1	1	0	#	#	3	3	2	2	2	
	15-17	3	3	3	2	#	#	1	#	2	2	2	2	2	
	18-20	3	3	2	1	#	1	#	0	1	1	2	2	1	
	21-23	4	3	1	#	#	0	0	#	2	2	2	2	1	
	ALL HRS	5	3	2	1	#	#	#	#	2	2	3	2	2	10
CEILING LESS THAN 1500 FT AND/OR VISIBILITY LESS THAN 3 MI	00-02	4	2	1	#	0	0	0	0	#	1	2	1	1	
	03-05	4	1	1	#	0	0	0	#	1	2	4	2	1	
	06-08	6	3	1	0	0	#	#	0	2	1	3	3	2	
	09-11	6	2	2	1	0	0	#	#	2	1	2	2	2	
	12-14	3	2	3	1	#	0	0	#	1	1	2	2	1	
	15-17	2	2	2	2	#	#	0	#	#	#	1	1	1	
	18-20	2	1	1	1	#	1	0	0	#	#	1	1	1	
	21-23	3	1	1	#	#	0	0	#	1	#	1	1	1	
	ALL HRS	4	2	2	1	#	#	#	#	1	1	2	2	1	10
CEILING LESS THAN 1000 FT AND/OR VISIBILITY LESS THAN 2 MI	00-02	3	1	1	0	0	0	0	0	#	1	2	1	1	
	03-05	3	1	1	0	0	0	0	0	1	2	3	1	1	
	06-08	5	2	1	0	0	0	#	0	1	1	2	2	1	
	09-11	5	1	1	#	0	0	#	#	1	1	2	2	1	
	12-14	2	1	2	#	#	0	0	0	1	#	1	1	1	
	15-17	1	1	1	1	#	0	0	#	#	#	1	1	1	
	18-20	1	1	1	1	0	1	0	0	#	#	1	1	1	
	21-23	2	1	1	#	#	0	0	#	#	#	1	#	#	
	ALL HRS	3	1	1	#	#	0	#	#	1	1	2	1	1	10
CEILING LESS THAN 200 FT AND/OR VISIBILITY LESS THAN 1/2 MI	00-02	1	0	0	0	0	0	0	0	0	#	#	#	#	
	03-05	1	#	0	0	0	0	0	0	#	0	1	#	#	
	06-08	3	1	#	0	0	0	0	0	#	#	1	1	1	
	09-11	1	#	#	0	0	0	0	0	0	0	#	#	#	
	12-14	#	#	0	0	0	0	0	0	0	0	0	0	#	
	15-17	#	#	0	#	0	0	0	0	0	0	0	0	#	
	18-20	#	0	0	#	0	#	0	0	0	0	#	0	#	
	21-23	#	0	0	0	0	0	0	0	0	0	#	0	#	
	ALL HRS	1	#	#	#	0	#	0	0	#	#	#	#	#	10

AWS FORM APR 74 62
PREVIOUS EDITION IS OBSOLETE

USAFETAC/DS-79/ 088

TABLE of CONTEXTS