

PROJECT 10073 RECORD CARD

1. DATE 18 March 1963		2. LOCATION 47.20N 169.50W (Pacific)		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other <u>Satellite</u> ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local _____ GMT 18/1650Z		4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☒ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Military			
7. LENGTH OF OBSERVATION not reported		8. NUMBER OF OBJECTS one		9. COURSE SE	
10. BRIEF SUMMARY OF SIGHTING CIRVIS report from military aircraft of object with shape and brightness of star in flight at high speed to SE. Observed to S of a/c above cloud layer at 50dgr elevation. Straight course.				11. COMMENTS Sighting characteristic of satellite observation. Although duration missing and no verification made, case is placed in satellite category. _____	

18/1603Z
DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 54112 (18 Mar 63) M/doc

Page 1 of 2

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, ARMY-2, CMC-8, JCS-35
OSD-15, CIA-11, NSA-7, DIA-20, DIA/CIIC-2 -118-

SMB B067

EKA035ZCZCPH0096PHC A072

***** YY RUEAHQ

DE RUHPHC 038

ZNR

Y 181811Z

FM COMHAWSEAFRON

TO RUHLKW/COMD HAWAIRDEFDIV, WHEELERAFB

INFO //CINCPACFLT

RUWGAL/CINCONAD ENT AFB COLO

RUEAHU/COFSUSAF WASHDC

RUECW/ CNO

RUECW/SECNAV

RUHAFS/ CINCUSARPAC

RUHPA/CINCPAC

RUHLKM/PACAF

RUHLKSA/PACAF BASECOM, HICKAM AFB

NAVY

Y O 181737Z

FM COMBARPAC

TO RUHPHH/COMHAWSEAFRON

RUKACR/COMALSEAFRON

INFO RUHPA/CINCPAC

RUKDAG/CINCAL

AF IN : 54112 (18 Mar 63)

INCOMING

Page 2 of 2

RUKDAG/COMALAIRCOM

NAVY GRNC

BT

UNCLAS

1. CIRVIS REPORT
2. V143188
3. ONE UFO SHAPE AND SIZE OF SHINING STAR
4. BEARING 180 FROM 47-20N 169-50W
5. 181605Z
6. UNKNOWN
7. DIRECTION OF TRAVEL SE TRAVELED IN A STRAIGHT
COURSELINE. ANGLE OF ELEVATION 50 DEG.
8. DEFINITE HIGH SPEED OF TRAVEL. WEATHER
CLEAR ABOVE
9. UNKNOWN

BT

NOTE: ADVANCE COPY TO XOPX, NIN & DIA.

18/1738Z

Case 16: This case is representative of several we've had during the year in that although the motion is satellite-like, identification with a known satellite has not been made. Committee is worried about the existence of too many of these cases and wonders why, since SPADATS is in existence and many millions of dollars are spent yearly on tracking all satellites, SPADATS can't make positive identification of these cases. Why not?

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 54099 (19 Mar 63) G/COMING

Page 1 of 2

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, JCS-35, ARMY-2, NAVY-2, CMC-8
DIA-20, DIA/CIIC-2, OSD-15, CIA-11, NSA-7 -120-

SMB C060

LKA714KHA120

OO RUEAHQ

DE RUHLKH 6

ZNR

O 181735Z

FM 326 AIR DIV KUNIA FACILITY HAWAII

TO RUHLKMOXPWCAF HICKAM AFB HAWAII

RUKAC/COMALSEAFRON KODIAK ALASKA

RUWS/PG/COMWESTSEAFRON SAN FRANCISCO CALIF

RUHPQ/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAHQ/COFS USAF WASHINGTON DC

RUWGALB/ZBZERAD ENT AFB COLO

RUHPHQKCINCPAC CAMP H M SMITH HAWAII

RUHAFS/.?

?/RG S "43-4

6 #-2-88

#'.

47#0?/CINCPACFLT PEARL HARBOR HAWAII

RUAUAZ/COMUSJAPAF FUCHU AS JAPAN

RUAMCR/COMUSKOREA SEOUL KOREA

RUAGFL/COMUSTDC TAIPEI TAIWAF

RUHPD/COMASWFORPAC FORD ISLAFD HAWAII

RUCSBR/CINCSAC OFFUTT AFB NEB

AF GRNC

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 54099 (18 Mar 63)

Page 2 of 2

BT

UNCLASSIFIED HADOC-D 0533

1. CIRVIS REPORT
2. V143188
3. ONE UFO. SHAPE AND SIZ OF SINING STAR
4. BEARING 180 FROM 47.20N 169.50W
5. 18/1605Z
6. UNKNOWN
7. DIRECTION OF TRAVEL SE. TRAVELED IN STRAIGHT COURSE LIME.
ANGLE OF ELEVATION 50 DEGREES
8. DEFINITE HIGH SPEED OF TRAVEL. WEATHER CLEAR ABOVE
9. UNKNOWN

BT

NOTE: ADVANCE COPY TO NIN, XOPX & DIA.
MSG SUBJECT TO CORRECTION. CORRECTED COPY WILL
BE FORWARDED UPON RECEIPT.

18/1737Z MAR RUHLKH

DEPARTMENT OF THE AIR FORCE

STAFF MESSAGE BRANCH

UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 55279 (19 Mar63) S/vrd Pg 1 of 2

INFO : NIN-9, XOP-1, XOPX-4, SAFOS-3, ARMY-2, NAVY-2, CMC-8,

JCS-35, OSD-15, DIA-20, DIA(CIIC)-2, CIA-11, NSA-7

(120)

SMB C 099

LKA763 KHA148

OO RUEAHQ

ZDK

KHA1200 RUWSPG RUECW RUKAC RUEAHQ RUWGALB RUCSBR

DE RUHLKH 6H

ZNR

O 181735Z

FM 326 AIR DIV KUNIA FACILITY HAWAII

TO RUHLKM/PWCAF HICKAM AFB HAWAII

RUKAC/COMALSEAFRON KODIAK ALASKA

RUWSPG/COMWESTSEAFRON SAN FRANCISCO CALIF

RUHPQ/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAHQ/COFS USAF WASHINGTON DC

RUWGALB/CINCNOAD ENT AFB COLO

RUHPHQKCINCPAC CAMP H M SMITH HAWAII

RUHAFS/KINCUSARPAC FT SHAFTER HAWAII

RUHPB/CINCPACFLT PEARL HARBOR HAWAII

RUAUAZ/COMUSJAPAF FUCHU AS JAPAN

RUAMCR/COMUSKOREA SEOUL KOREA

RUAGFL/COMUSTDC TAIPEI TAIWAF

RUHPD/COMASWFORPAC FORD ISLAFD HAWAII

RUCSBR/CINCSAC OFFUTT AFB NEB

RUECW/CNO WASHINGTON DC

RUECW/SECNAV WASHINGTON DCN

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 55279 (19 Mar63) S/vrd

Pg 2 of 2

AF GRNC

BT

MUNCLASSIFIED HADOC-D 0533

1. CIRVIS REPORT
2. V143188
3. ONE UFO. SHAPE AND SIZE OF SHINING STAR
4. BEARING 180 FROM 47.20N 169.0W
5. 18/1605Z
6. UNKNOWN
7. DIRECTION OF TRAVEL SE. TRAVELED IN STRAIGHT COURSE LINE.
ANGLE OF ELEVATION 50 DEGREES
8. DEFINITE HIGH SPEED OF TRAVLE. WEATHER CLEAR ABOVE
9. UNKNOWN

NOTE: ADV CY DEL TO XOPX,NIN AND DIA

BT

18/1737Z MAR RUHLKH

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

LAURENCE S. MORGAN, JR.

These predictions are based on stellar winds estimated in Section 2.1. Table 1 shows that 12 of 15 stars are in jets. The signpost of jetting is either $\dot{M} > 10^{-10} M_{\odot} \text{ yr}^{-1}$ or $\dot{M} < 10^{-10} M_{\odot} \text{ yr}^{-1}$ and $\dot{M} > 10^{-10} M_{\odot} \text{ yr}^{-1}$. Right ascension of ascending node is $117^{\circ} 16' 0''$ or $117^{\circ} 16' 0''$. Expected average magnitude is $+1$.

$$\begin{aligned} \text{Inlet air} &= 4722 \text{ kg} \\ \text{air} + \text{fuel} &= 0.61019 \times 0.57 \times 10^{-5} (1 - T_2) \\ \text{Inlet air} &= 0.59759 \text{ megagrams} \\ \text{Fuel} &= 0.70199 + 12.6123 (1 - T_2) + 1.21 \times 10^{-5} (1 - T_2) \end{aligned}$$

SATellite 1964 DATA 1
FOR OTHER LABORATORIES

FOR TOP			FOR OTHER LATITUDES			NORTH-SOUTH		
TIME	COORD.	LAT.	TIME	COORD.	BEAM	TIME	COORD.	BEAM
1957	1957	1957	1957	1957	1957	1957	1957	1957
MARCH 10, 1963								
1 51.0	91.55	57.4	7 1.2	-82.60	929	90.0	29.2	-82.66
2 30.8	122.65	55.0	25.4	-60.72	938	72.4	35.5	-105.52
3 31.8	151.55	50.0	19.8	-85.55	955	60.7	38.5	-119.75
2 27.3	181.05	55.0	16.0	-15.85	948	55.0	31.2	-129.42
5 22.7	210.25	50.0	13.9	-26.53	951	50.8	45.1	-136.75
13 18.1	239.83	20.0	9.0	-17.26	958	51.7	59.1	-146.05
15 13.6	268.63	0.	0.	0.	955	54.9*	57.8	-165.38
15 8.6	297.83	-20.0	-9.0	17.26	951	53.7*	-49.0	148.06
17 4.8	327.03	-50.0	-13.9	28.53	947	49.4*	-44.2	136.77
18 59.9	356.23	-55.0	16.6	35.85	944	56.0*	-41.6	129.83
20 55.3	25.42	-60.0	-19.7	55.48	940	60.7*	-38.5	119.81
22 50.9	54.62	-65.0	-25.9	80.73	935	72.4*	-34.3	108.54
		-70.0	-29.1	82.61	926	90.0*	-29.1	82.65

MARCH 17, 1963

MARCH 17, 1965											
6	58.1	83.82	47.4	29.7	-82.60	931	90.0	29.2	-82.64	931	90.0
2	41.5	113.37	45.0	28.9	-85.42	940	72.4	34.4	-104.52	921	107.6
6	32.0	187.27	40.0	19.4	-85.58	945	60.7	52.6	-119.19	913	119.6
6	32.4	171.81	35.0	10.6	-85.85	948	54.0	81.6	-129.42	904	125.0
8	71.9	265.81	30.0	15.9	-28.53	950	49.4	64.5	-136.75	912	116.6
10	73.3	229.81	20.0	9.0	-17.25	952	43.7	43.1	-148.04	894	116.6
12	12.7	259.01	0.	0.	1.	952	44.9	57.8	-165.31	887	140.1
14	14.2	286.21	-20.0	-9.0	17.26	947	43.7	-49.0	148.07	840	136.6
16	9.4	117.40	-30.0	-13.9	28.53	943	49.4	-44.2	116.78	895	130.6
18	5.0	162.00	-35.0	-18.6	35.86	940	54.0	-81.5	109.45	844	126.0
20	0.5	15.80	-40.0	-19.7	46.47	936	60.7	-38.4	119.82	909	116.6
21	55.9	45.80	-45.0	-23.9	60.74	930	72.4	-54.3	164.55	912	107.6
23	51.3	76.20	-47.8	-29.1	82.62	921	90.0	-29.1	42.66	921	90.0

2008年12月 12日 星期四

MARKET INDEX, 1958											
1	46.7	103.40	57.4	29.1	-62.61	913	90.0	29.2	-62.65	914	91.0
2	42.2	152.59	45.0	23.9	-60.73	940	72.8	35.4	-104.93	928	107.6
3	37.0	161.79	40.0	19.7	-45.47	934	60.7	38.5	-119.78	917	119.4
4	33.0	190.49	35.0	15.8	-35.85	947	54.0	41.6	-129.87	911	126.0
5	26.5	240.19	30.0	13.9	-28.53	948	49.4	44.3	-130.75	906	130.4
11	23.9	269.39	20.0	9.0	-17.28	949	43.7	49.1	-148.04	899	136.1
13	19.3	278.58	0.	0.	0.	948	39.9	57.9	-165.36	891	140.1
15	14.9	307.78	-20.0	-9.0	17.27	943	41.7	-46.7	148.08	893	136.5
17	10.2	336.98	-30.0	-13.9	28.54	939	49.4	-44.1	136.79	897	130.0
19	5.6	6.18	-35.0	-16.9	35.86	936	54.0	-41.5	129.56	904	126.0
21	1.1	35.38	-40.0	-19.7	45.46	913	60.7	-38.4	119.83	905	119.3
22	50.5	64.57	-45.0	-23.9	60.75	927	72.4	-34.2	104.56	912	107.6
			-47.4	-29.0	82.63	920	90.0	-29.1	82.47	920	90.0

MARCH 19, 1963

MARCH 19, 1963											
0	51.9	93.77	47.4	29.1	-82.61	934	90.0	29.1	-82.65	934	90.0
2	47.3	122.97	45.0	23.9	-60.73	940	72.4	34.4	-104.53	926	107.6
4	42.8	152.17	40.0	19.7	-45.47	946	50.7	38.5	-119.80	919	119.1
6	38.2	181.37	35.0	16.6	-35.86	945	54.0	41.6	-129.82	914	126.0
8	33.6	210.57	30.0	13.9	-28.54	946	49.4	44.3	-136.75	910	130.6
10	29.1	239.76	20.0	9.0	-17.27	947	43.7	49.1	-148.03	902	136.6
12	24.5	268.96	0.	0.	0.	944	39.9	57.9	-165.36	895	140.1
14	19.9	298.16	-70.0	-9.0	17.27	939	41.7	-68.9	-148.09	899	136.6
16	15.4	327.36	-10.0	-13.8	28.54	936	49.4	-64.1	-136.80	899	130.6
18	10.8	356.56	-35.0	-16.5	35.87	933	54.0	-61.4	-129.87	902	126.0
20	6.2	385.76	-40.0	-19.6	45.49	930	60.7	-59.4	-119.84	906	119.1
22	1.7	414.96	-45.0	-23.8	60.73	925	72.4	-56.7	-104.53	910	107.6
24	0.1	444.16	-47.4	-29.1	82.61	919	90.0	-54.0	-82.65	914	93.77

SATELLITE 1960 TOTAL 1
FOR OTHER LATITUDES

OBSERVED			REDUCED FOR OTHER LATITUDES										
TIME	LONG.	LAT.	TIME	SOUTH-NORTH			NORTH-SOUTH			TIME	LONG.	LAT.	BEAR.
(GMT)	(GMT)	(GMT)	(GMT)	CORR.	HT.	BEAR.	CORR.	HT.	BEAR.	(GMT)	(GMT)	(GMT)	(IN-ET)
MARCH 20, 1963													
1 52.5	113.45	87.4	29.1	-82.62	935	90.0	29.1	-82.66	935	90.0			
8 42.9	142.55	45.0	23.9	-60.74	940	72.4	34.5	-104.53	928	90.0			
8 53.3	171.75	40.0	19.7	-45.48	943	60.7	36.5	-119.80	922	119.8			
2 38.8	200.98	35.0	16.6	-35.86	944	54.0*	41.6	-129.42	917	129.4			
9 35.2	230.18	30.0	13.7	-28.54	944	49.4*	46.3	-136.15	913	136.1			
11 24.7	259.38	20.0	9.0	-17.27	944	43.7*	49.1	-144.04	906	144.0			
13 29.1	288.58	0.	0.	0.	940	39.9*	57.9	-165.35	898	165.3			
15 24.5	317.78	-20.0	-9.0	17.27	936	43.7*	-56.7	183.10	898	183.1			
17 15.0	346.98	-30.0	-13.8	28.55	932	49.4*	-44.1	196.61	901	196.6			
19 11.4	376.18	-40.0	-16.5	35.88	930	54.0*	-41.4	129.58	904	129.5			
21 0.8	455.33	-50.0	-19.6	45.49	928	60.7*	-36.1	119.85	907	119.7			
23 2.3	484.53	-45.0	-23.8	60.74	924	72.4	-34.2	104.58	912	104.6			
		-41.4	-29.0	82.65	918	90.0	-29.0	82.69	918	90.0			

MARCH 21, 1963

MARCH 21, 1963											
0	57.7	103.73	47.4	29.1	-82.62	935	90.0	29.1	-82.66	935	90.0
2	58.1	142.94	45.0	23.4	-60.75	939	72.4	38.3	-104.54	929	117.6
4	58.6	162.13	40.0	14.7	-45.48	941	60.7*	38.5	-119.81	924	119.8
6	58.0	181.32	35.0	16.5	-35.87	942	50.0	41.5	-129.64	919	129.6
8	56.8	220.52	30.0	13.8	-28.55	942	45.4*	44.5	-138.75	916	138.8
10	56.8	249.72	20.0	9.0	-17.27	941	33.7*	47.2	-148.05	909	148.0
12	56.3	218.92	0.	0.	0.	937	59.9	52.9	-163.75	902	163.8
14	55.7	108.12	-20.0	-9.0	17.28	932	44.7*	-58.9	148.10	901	148.1
16	54.4	117.32	-30.0	-13.4	28.55	930	49.4*	-44.1	138.81	904	138.8
18	16.6	6.51	-35.0	-16.5	35.88	928	54.0*	-81.4	123.48	906	123.5
20	12.0	35.71	-40.0	-19.8	45.50	926	60.7	-38.5	119.86	908	119.8
22	7.4	64.91	-45.0	-23.8	60.77	922	72.4	-34.1	104.58	913	104.6
			-51.4	-26.9	82.65	918	90.0	-29.0	82.70	918	90.0

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MARCH 22, 1965											
0	2.9	94.11	47.4	29.0	-42.63	935	90.0	29.1	-82.67	935	90.0
1	98.3	123.31	45.6	23.8	-60.75	938	72.4	19.3	-104.55	936	107.6
4	59.7	152.51	40.0	19.4	-45.49	939	60.7*	38.5	-119.61	925	117.5
5	49.2	181.71	35.0	16.5	-35.87	939	54.0*	41.6	-129.43	921	126.0
7	38.4	210.90	30.0	13.8	-28.55	939	49.4*	46.3	-136.74	918	130.6
9	30.0	240.10	20.0	9.0	-17.28	937	43.7*	49.1	-148.04	912	147.5
11	21.5	269.30	0.	0.	0.	933	39.4*	51.9	-160.35	905	160.1
13	10.9	298.50	-20.0	-8.9	17.28	929	43.7*	-48.8	158.10	905	157.7
15	26.3	327.70	-30.0	-13.0	28.56	927	49.4*	-54.0	136.41	907	150.6
17	21.6	356.90	-35.0	-16.5	35.89	926	54.0*	-41.6	129.48	908	126.0
19	17.2	386.09	-40.0	-19.6	45.51	924	60.7	-38.5	119.86	911	119.3
21	12.6	415.29	-45.0	-23.7	60.78	922	72.4	-35.1	104.59	914	107.6
23	8.4	444.49	-47.4	-24.9	82.66	918	90.0	-28.9	82.70	915	90.0

MARCH 23, 1963

MARCH 23, 1963											
1	31.5	113.69	47.4	29.0	-82.64	934	90.0	29.0	-82.68	934	90.0
2	58.9	142.89	45.0	23.8	-60.76	936	12.4	34.2	-104.56	936	107.4
3	54.3	172.09	40.0	19.6	-45.50	938	60.7*	28.4	-119.82	926	114.4*
4	49.8	201.29	35.0	16.5	-35.88	936	54.0*	41.9	-129.44	924	126.0
5	45.2	230.48	30.0	13.8	-28.56	935	49.4*	54.2	-136.77	920	139.6
10	40.6	259.68	20.0	8.9	-17.28	934	43.7*	49.1	-148.05	915	156.3
12	36.1	288.88	0.	0.	0.	930	38.9*	57.9	-165.36	909	140.1
14	31.5	318.08	-20.0	-8.9	17.28	927	43.7*	-48.8	148.10	908	136.3
15	26.9	347.28	-30.0	-13.8	28.56	925	49.4*	-44.0	136.82	910	130.8
16	22.3	376.48	-35.0	-16.5	35.89	924	54.0*	-41.4	129.49	911	126.0
20	17.7	405.67	-40.0	-19.5	45.51	923	60.7*	-38.9	119.66	913	119.6
22	13.1	434.87	-45.0	-23.7	60.78	922	12.4	-36.1	104.86	916	110.2
			-49.4	-24.9	82.67	919	40.0	-32.6	89.71	926	90.0