Semi-annual Technical Summary Report
January 1 - June 30, 1967

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Project Scientist: Kenneth Hunkins
Elmwood 9-2900

Studies in Marine geophysics and underwater sound from a drifting ice station.

I. Research at Fletcher's Ice Island (T-3)

1. NAVIGATION

A Radio Navigation set, AN/SRN-9 was placed in operation at T-3 on April 14, 1967. This set provides access to the Navy Navigation Satellite System. The system virtually revolutionizes the navigation of ice stations. Fixes are not only much more accurate than celestial fixes but, perhaps more important, they are obtained much more frequently.

The Navy Navigation Satellite System is a world-wide, all-weather system that provides accurate navigational fixes from data collected during a single pass of an orbiting satellite. It consists of up to four earth-orbiting satellites, four tracking stations, two injection stations, the U.S. Naval Observatory, a computing center, and shipboard navigational equipment (AN/SRN-9), of which there can be any number.

Each of the four satellites is placed in a nominally circular polar orbit at an altitude of 500-700 miles. Each satellite orbits the earth in approximately 108 minutes. Through its useful life, the satellite transmits the following phase-modulated data on two RF

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carriers: two synchronization signals, an identification code, a 400-cps tone, fixed and variable parameters describing its own orbit.

The navigational fix obtained from satellite data is based on the change in frequency (Doppler shift) that occurs whenever the relative distance between transmitter and receiver changes.

The AN/SRN-9 set consists of a mast group, a control group and an electronics group. Some departures from shipboard use were made in the Arctic installation. The preamplifier is normally located with the antenna in the mast group. It was necessary to separate these two units when the set was installed in the Lamont "Palace" trailer. The preamplifier was mounted inside to provide warm ambient temperatures. This had no discernible effect on the operation. The data output is in the form of a printed message on adding machine paper. To operate the instrument, it is only necessary to lock the receiver onto the satellite signal, an operation that can be learned in 10 minutes.

Since the satellites are in polar orbit, a high percentage of fixes is obtained. Over a two-month period, fixes were spaced on the average at an interval of just under two hours. With celestial navigation, fixes are customarily taken once a day or not at all if cloudy conditions prevail. During the previous six-month reporting interval, 119 celestial fixes were obtained. Compare that with the 750 satellite fixes obtained in a two-month interval!

The printed data have been used to compute the fixes at Lamont on an IBM 1800 digital computer. The computer program, NAVIG 4, was written for navigation of the Lamont ships. Experience has shown that care and thoroughness are necessary in editing the fixes to eliminate those that are inaccurate.

This system provides much improved position data for all geophysical surveys from the ice station. In addition, it provides new information on the detailed motion of ice under the influence of wind and current.

The AN/SRN-9 set at T-3 has been operated 24 hours out of every day so far to provide detailed coverage.

A PDP-8/S digital computer was purchased for use at T-3 to compute fixes immediately. The computer was shipped to T-3 but unfortunately, despite efforts by the manufacturer to give emergency delivery, it was too late to make the last airplane before the summer melt season. The computer will go to T-3 on the first airplane in the fall.

On Jan. 1, T-3 was at 77°41.5'N 173°29'W. On June 29, it was at 80°12.6'N 172°50'W.

A listing of the satellite positions of T-3, complete to June 15th, is included at the end of this report. Two additional computer programs have been written. One program plots the fixes on a polar stereographic projection. This is called the "polar stereographic plotting program" (PSPP). The resulting maps are then a base for plotting bathymetry, magnetics, gravity, and other data. It has also been found that these maps are most useful in editing the fixes. Any erroneous fixes are easily noted.

A second program has been written which computes the velocity of the ice between fixes. This program is called the "speed and azimuth of ice locomotion" (SAIL). SAIL also corrects the fixes for the ice drift and punches a new set of corrected cards. This correction is very small, generally about 0.01 knot, at the low speeds of ice movement.

2. BATHYMETRY

During most of this period, T-3 drifted over the southwestern region of the Alpha Cordillera. This area is called the Sargo High on the GEBCO map of the Arctic Ocean. Depths ranged from 1045 to 3310 meters. Several interesting scarps up to 600 m high with pronounced magnetic anomalies were crossed. During June the island drifted over the Canada Abyssal Plain where the depth remained nearly constant at 3310 meters. The depths checked very closely at points where T-3 recrossed its own track. This provides a check on the accuracy of the navigation.

3. GRAVITY

Observations were made 3 to 6 times per day with the LaCoste and Romberg gravimeter #27. The instrument was carried to Barrow twice during May for checks on drift.

Anomalies were observed over the scarps and over the Canada Abyssal Plain.

4. MAGNETICS

Continuous total intensity measurements were made with a proton-precession magnetometer throughout the period. Exceptional anomalies exceeding 1000 gammas were noted over scarps on the Alpha Cordillera.

In early May, approximately 20 measurements were obtained at spot stations with support of the U.S. Army Antarctic Aviation Detachment. A portable M-49 magnetometer was used. The measurements covered the large anomaly on the western flank of the Chukchi Cap.

5. SEISMIC PROFILER

A profiler system with a single hydrophone and spark source was used over most of this period. Source energies ranged from 5000 to 9000 joules. Prominent reflectors were often observed with penetrations of up to 2000 m below the bottom.

A new sound source and recorder were delivered to T-3 in June. The air gun has been tested there and promises to provide a big improvement over the spark source. The new recorder is a two-channel system with a brake-clutch drive. It is hoped that the entire system will be in operation by the middle of July.

6. OCEAN CURRENTS

A vertical string of four Savonius current meters and direction vanes was installed late in April through a hole near the hydro hut. The meters were placed at depths of 40, 125, 210 and 295 meters. A thermistor was

also placed on the same string at each of the above depths. The signals are carried to the Lamont "Palace" trailer through electrical cables. Speed and direction from each depth can be read directly on large taut-band meters in the lab. The signals are also printed on a 24-channel Esterline-Angus potentiometric recorder. Two other vertical strings containing only thermistors were installed in a triangular array with the current meter string. The triangle is 50 in. on a side.

This system is designed for a study of the dynamics of the upper Arctic Ocean. The stable ice platform of T-3 provides a unique vehicle for observing detailed motions of the upper layers. It is hoped that basic facts about internal waves, wind-driven response and motions near the pycnocline may be revealed. It may be that basic information, not yet possible in other oceans, may be collected in this way.

An essential element of this study of ocean dynamics is the satellite navigator system. Without a precise positioning system the study would be relatively pointless. The satellite fixes will be used to determine the velocity of ice drift. The drift velocity will then be vectorially subtracted from the current meter readings to give the true currents at the various depths. The computer program, SAIL, will be used here.

Bottom currents were observed with a camera meter which photographs vanes, strings and a compass. Nine stations were taken during May revealing a current set predominantly in a southerly direction. Thus the bottom current runs opposite to the surface current in this region. Other indications of bottom currents were seen in bottom photos. Sediment flutings, winnowing around rocks and the bending of crinoids all gave confirmation of the currents. A field of crinoids with their heads all bent to the south gave striking evidence of bottom currents. The appearance was as of a field of grain bent before the wind.

7. MARINE GEOLOGY

A new hydrographic winch with 4000 meters of ¼" cable was installed in the Lamont hydro hut during May. The new winch was especially constructed for taking long cores but will also be adapted to all other oceanographic work. This winch has facilitated all of our oceanographic operations.

Piston cores of up to 18 feet in length have been obtained with the new gear. An attempt was made to obtain a forty-foot core but the core pipe buckled. These cores are being analyzed at Lamont's sedimentation lab.

Bottom camera stations were taken in April, May and June. Photographs taken on a scarp of the Alpha Cordillera showed the first hard rock seen in Arctic bottom photos. Many forms of bottom life were observed. The most striking was a close-up of a fish about one foot in length. Crinoids, holothurians, medusae, sponges, squid and brittle stars were also tentatively identified. Close-up pictures were made with a new tripod camera which gives much fine detail. Enlargements from these negatives constitute microphotographs of the bottom since the objects are rendered larger than life-size.

8. GEOCHEMISTRY

The geochemistry program was centered mostly around an intensive sea water sampling for various radioactive nuclides (C^{14}, Cs^{137}, Sr^{90}, Po^{210}, Pb^{210}, U^{234} and U^{238}) in an attempt at determining the mixing rates of the various water masses present in the Arctic and the relative proportions of melt water, continental run-off and sea water making up the surface layer.

Particulate matter was extracted from the sea water from various depths for the first time in the Arctic for a determination of the clay mineralogy of the fine particles in suspension in the water column. It is part of a world-wide survey of the clays in suspension in the ocean conducted by Lamont in an attempt at understanding the processes of sedimentation.

The water was sampled using a 200 liter double door water sampler designed at Lamont for use in the Arctic. The sampler is closed at the appropriate depth by messenger release from the surface or by hit of a trigger weight on the bottom.

A large capacity continuous flow centrifuge (1 liter/min) was used to extract the particulate matter.

a) Carbon 14, Cesium 137 and Strontium 90:

5 samples were run for these 3 isotopes at the same depths as the previous years for a determination of the rate of increase of these nuclides due to radioactive fallout. The surface -, Pacific maximum and minimum temperature -, Atlantic - and deep water layers were sampled. Also, 10 water samples from 200 meter (Pacific water) to 425 meter (Atlantic water) depth at 25 m intervals were processed for Carbon 14 for a determination of the rate of mixing of these 2 water masses.

b) Particulate Matter:

9 water samples, from 200 to 1000 liters were centrifuged at a continuous flow rate of 1 liter/min. Emphasis was put on near-bottom water in conjunction with a study of nepheloid layers. The particulate matter will be processed at Lamont by x-ray diffraction for a determination of the clay mineralogy.

c) Uranium Isotopes:

6 water samples, freed from all particulate matter were processed for a determination of the total amount of U^{238} and of the U^{234}/U^{238} ratio. This ratio is constant for the open ocean. Its value is not known for the Arctic ocean under ice cover.

d) Partial pressure of - and total CO_2 in sea water:

3 deep water samples were processed as a continuation of a project started during the summer of 1966 to define the depth at which the water gets undersaturated in carbonate in the Arctic Ocean.

e) Polonium 210 and Lead 210:

Snow and 4 water samples (Surface -, Pacific -, Atlantic- and deep water) are being processed.

9. OCEANOGRAPHY

Hydro stations were taken as follows:

23 March	240 m
28 April	2000 m
22 May	2430 m
31 May	500 m
27 June	2955 m

Special attention was given to the top 250 m in conjunction with sonar observations of scattering layers. The hydro stations have been used to obtain density profiles, to compute underwater sound velocities for use with the Precision Depth Recorder, and to locate the core depths of the various water masses for purposes of geochemical and biological sampling.

An expanded range BT was used daily to follow geographical and temporal fluctuations in the fine structure of the Pacific layer.

10. BIOLOGY

A half-meter plankton net was used to obtain vertical samples through each of the main Arctic water masses as part of a world-wide mapping of the distribution of foraminifera species. This net was also used to sample the 50-meter deep scattering layer.

Microplankton samples were taken at depths of 25, 75, 150 and 500 m with a Van Dorn bottle and filtered through a Millipore filter. These will be examined with an electron microscope in the hope of further identifying the Arctic water masses by means of coccolith spores.

A submarine photometer was installed in late May at a depth of 10 m to give, in conjunction with a deck photometer installed atop the Lamont hydro hut tower, a continuous record of the percentage of incident light which filters through the snow and ice cover of Colby Bay. As of June 2, the light intensity at 10 m had not reached 0.1 foot candles, the photometer's threshold .

11. SCATTERING LAYER

The patchy, diffuse scattering layer seen in other years on the 12 kc precision depth recorder appeared in early April at depths of 50 to 150 m. The 100 kc Ross fishfinder was able to resolve these diffuse clouds into a dense collection of hyperbolas. The 50 kc RCA fishfinder showed some traces, but not nearly so many as the Ross - indicating that the dimensions of the majority of scatterers lie in the range of 1 to 3 cm. Vertical net hauls through this layer produced mainly copepods, amphipods, arrow worms and medusae.

Although the diffuse scattering layer on the PDR was observed only during the month of April, a narrow diffuse scattering layer was continuously observed on the 100 kc Ross at a depth of 45 to 50 m. This layer did not appear on the 12 kc PDR, nor on the 50 kc RCA. The layer was usually 2 to 3 meters thick, with a sharp upper boundary, and a more hazy lower one. Temperature, salinity, and oxygen measurements taken through the layer all showed sharp changes at the layer, with the top of the layer lying just below the well-mixed Arctic surface water.

After wind action, waves of amplitude 2 to 4 meters and of 7- to 10-minute period were observed in the layer on the Ross. These were evidently internal waves generated between the Arctic and Pacific water masses.

The layer itself is probably of biological origin - possibly non-swimmers whose density has caused them to collect in the very top layers of the pycnocline, just below the homogeneous surface water. The diffuse nature of the scattering record indicates cross-sectional dimensions of less than 15 mm. McGill University, through a series of closely spaced vertical samples through the layer, discovered a high concentration of pteropods, with cross-sectional dimensions of about 1 mm.

II. Theoretical Studies of Long-Range Sound Transmission

Phase and group velocity computations were made for waves corresponding to the first four normal modes for models which include the ice sheet and the ocean-bottom sediments. As previously noted, the ice cover has a negligible effect on the velocities of the waves below 50 HZ. By including the ocean bottom sediments in the models, better agreement between observation and theory has been obtained. For sounds which do not penetrate too close to the ocean bottom, the calculations made for a bilinear-gradient model are in excellent agreement with the present computations. Computations of the variation with depth of pressure and particle displacement were made for some of the models for which dispersion curves were computed. The computations are in reasonably good agreement with the measurements made on waves of the first normal mode.

Appendix I

Position data for T-3 for the period from 14 April, 1967 to 15 June 1967 based on satellite navigation.

Day, month, year and hour are self-explanatory. TZ indicates time zone which is zero in all cases, i.e., GMT is used. Positive values of latitude are north, negative values south. Positive values of longitude are east, negative values west. Fixes are numbered consecutively. Note that a number of fixes which were obtained were rejected as erroneous, leaving gaps in the numbers. Erroneous fixes are generally due to a satellite pass which is too low on the horizon.

The four values following fix number are partial derivatives giving the correction to be applied to the position for a given velocity of the ice island. These corrections have not been made to the fixes given here. The last two columns, course and speed, are the course and speed used in computing the fix. The speed is zero in all cases, indicating that no correction was made. Corrections are usually in the neighborhood of 0.01 or 0.02 nautical miles for T-3. A computer program is available for making these corrections but it was not believed that the corrections of a few meters were significant. Other errors are larger than this.

II. Meetings attended and papers published

K. Hunkins attended the following meetings during the period covered:

(1) VELA UNIFORM Meeting held at the Office of Naval Research on March 9-10, 1967. A discussion of the Lamont Arctic program was given and its relation to the objectives of Project VELA.

(2) Sea Ice Dynamics Conference held at the Naval Research Laboratory on June 26-27, 1967. A discussion of Lamont's satellite navigator system was given.

The following paper was published during this period:

Hunkins, K., "Inertial Oscillations of Fletcher's Ice Island (T-3) J. Geophys. Res., 72, 1165-1174, 1967.

SATELLITE NAVIGATION FIXES
FLETCHERS ICE ISLAND (T-3)
LAMONT GEOLOGICAL OBSERVATORY OF COLUMBIA UNIVERSITY

DA	MO	YR	TZ	HR	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	STA FIX	Y/V	X/V	Y/U	X/U	CRS DEG	SPD KT
										NAUTICAL MILES/KNOT					
14	04	1967	0.0	1054	78	48.97	-175	37.65	T-3-1005	-0.03	-0.25	0.06	0.15	90.0	0.0
14	04	1967	0.0	1312	78	50.43	-175	36.84	T-3-1007	0.08	0.27	-0.06	0.12	90.0	0.0
15	04	1967	0.0	0248	78	51.21	-175	33.46	T-3-1008	0.15	-0.21	0.11	-0.10	90.0	0.0
15	04	1967	0.0	0622	78	51.68	-175	32.58	T-3-1009	-0.01	-0.06	0.24	-0.04	90.0	0.0
15	04	1967	0.0	0814	78	51.86	-175	32.18	T-3-1010	-0.02	-0.09	0.17	0.12	90.0	0.0
15	04	1967	0.0	1000	78	52.09	-175	31.97	T-3-1011	-0.12	-0.20	0.13	0.13	90.0	0.0
15	04	1967	0.0	1850	78	53.60	-175	29.61	T-3-1012	-0.01	0.06	-0.20	-0.06	90.0	0.0
15	04	1967	0.0	2030	78	53.93	-175	29.57	T-3-1013	0.02	0.11	-0.15	-0.14	90.0	0.0
15	04	1967	0.0	2222	78	54.45	-175	29.03	T-3-1014	0.10	0.18	-0.10	-0.10	90.0	0.0
16	04	1967	0.0	0006	78	54.94	-175	29.35	T-3-1014	-0.04	0.58	-0.01	-0.11	90.0	0.0
16	04	1967	0.0	0154	78	55.30	-175	24.32	T-3-1015	0.10	-0.40	0.07	-0.17	90.0	0.0
16	04	1967	0.0	0344	78	55.57	-175	24.13	T-3-1016	0.13	-0.14	0.17	-0.10	90.0	0.0
16	04	1967	0.0	0010	78	57.11	-175	21.38	T-3-1018	-0.05	-0.13	0.14	0.13	90.0	0.0
16	04	1967	0.0	1618	78	58.65	-175	17.50	T-3-1020	0.01	0.10	-0.10	0.13	90.0	0.0
16	4	1967	0.0	1948	78	59.12	-175	17.13	T-3-1022	0.07	0.05	-0.17	0.03	90.	0.0
16	04	1967	0.0	2134	78	59.57	-175	17.86	T-3-1023	0.15	0.12	-0.15	-0.03	90.0	0.0
16	04	1967	0.0	2310	79	00.07	-175	18.37	T-3-1024	0.07	0.38	-0.05	-0.14	90.0	0.0
17	4	1967	0.0	102	79	0.50	-175	13.99	T-3-1025	0.11	1.13	0.02	-0.21	90.	0.0
17	04	1967	0.0	0252	79	00.32	-175	17.38	T-3-1026	0.12	-0.20	0.11	-0.12	90.0	0.0
17	04	1967	0.0	1152	79	03.27	-175	23.60	T-3-1029	-0.24	-1.68	0.04	0.23	90.0	0.0
17	4	1967	0.0	1258	79	4.14	-175	25.22	T-3-1030	0.01	0.05	-0.20	0.03	90.	0.0
17	4	1967	0.0	1338	79	3.72	-175	25.65	T-3-1031	-0.12	0.31	-0.05	0.08	90.	0.0
17	4	1967	0.0	1524	79	4.13	-175	26.48	T-3-1032	-0.12	0.13	-0.15	0.08	90.	0.0
17	4	1967	0.0	1810	79	4.72	-175	31.55	T-3-1034	0.00	0.58	-0.01	-0.17	90.	0.0
17	04	1967	0.0	2040	79	05.20	-175	32.72	T-3-1036	0.06	0.11	-0.17	0.11	90.0	0.0
17	04	1967	0.0	2148	79	05.59	-175	33.26	T-3-1037	0.12	-0.16	0.14	-0.10	90.0	0.0
17	04	1967	0.0	2336	79	06.12	-175	36.41	T-3-1038	0.63	-0.08	0.20	-0.04	90.0	0.0
18	4	1967	0.0	344	79	6.48	-175	40.90	T-3-1040	-0.05	-0.08	0.07	-0.14	90.	0.0
18	04	1967	0.0	0500	79	07.31	-175	43.82	T-3-1041	-0.07	-0.22	0.08	0.11	90.0	0.0
18	04	1967	0.0	0644	79	07.34	-175	45.26	T-3-1042	-0.09	-1.47	0.01	-0.00	90.0	0.0
18	4	1967	0.0	908	79	7.25	-175	48.67	T-3-1044	-0.14	-0.06	0.08	-0.07	90.	0.0
18	04	1967	0.0	1020	79	07.54	-175	48.40	T-3-1045	0.01	0.09	-0.07	0.10	90.0	0.0
18	04	1967	0.0	1806	79	07.05	-175	46.65	T-3-1047	0.00	0.06	-0.21	0.04	90.0	0.0
18	04	1967	0.0	1904	79	06.85	-175	44.71	T-3-1048	0.00	-0.98	0.01	-0.07	90.0	0.0
18	04	1967	0.0	1954	79	06.36	-175	45.28	T-3-1049	0.08	0.05	-0.13	0.07	90.0	0.0
19	04	1967	0.0	0108	79	06.29	-175	34.03	T-3-1054	0.14	-0.75	0.04	-0.19	90.0	0.0
19	04	1967	0.0	0252	79	06.16	-175	31.20	T-3-1055	-0.06	-0.10	0.06	-0.13	90.0	0.0
19	4	1967	0.0	402	79	6.62	-175	32.49	T-3-1056	-0.14	-0.15	0.13	0.05	90.	0.0
19	04	1967	0.0	0632	79	05.91	-175	28.47	T-3-1059	-0.03	-0.05	0.21	-0.01	90.0	0.0
19	04	1967	0.0	0922	79	07.58	-175	24.34	T-3-1060	-0.16	0.15	-0.13	0.06	90.0	0.0
19	04	1967	0.0	1110	79	07.98	-175	21.79	T-3-1061	-0.06	0.08	-0.20	0.09	90.0	0.0
19	04	1967	0.0	1344	79	08.74	-175	18.81	T-3-1063	-0.05	0.25	-0.05	0.10	90.0	0.0
19	04	1967	0.0	1442	79	09.57	-175	13.69	T-3-1063	0.08	0.04	-0.12	0.04	90.0	0.0
19	04	1967	0.0	1626	79	09.05	-175	14.64	T-3-1064	0.13	0.16	-0.11	-0.08	90.0	0.0
19	4	1967	0.0	1938	79	10.80	-175	7.76	T-3-1067	0.09	-0.22	0.04	-0.05	90.	0.0
19	04	1967	0.0	2046	79	11.03	-175	08.87	T-3-1068	0.10	0.12	-0.17	-0.09	90.0	0.0
19	04	1967	0.0	2230	79	11.57	-175	07.31	T-3-1069	0.08	0.27	-0.08	-0.14	90.0	0.0
19	04	1967	0.0	2332	79	11.93	-175	06.18	T-3-1070	0.02	-0.01	0.17	-0.08	90.0	0.0
20	04	1967	0.0	0204	79	12.60	-175	02.18	T-3-1073	0.11	-0.29	0.09	-0.16	90.0	0.0
20	04	1967	0.0	0354	79	13.16	-175	02.62	T-3-1075	0.14	-0.10	0.22	-0.06	90.0	0.0
20	04	1967	0.0	0536	79	14.09	-175	03.04	T-3-1076	-0.10	-0.06	0.11	-0.14	90.0	0.0
20	04	1967	0.0	1102	79	15.18	-175	03.96	T-3-1080	-0.16	-0.26	0.04	-0.00	90.0	0.0

20	04	1967	0.0	1202	79	15.22-	175	03.64	T-3-1081-0.00	0.06-0.18	0.09	90.0	0.0
20	04	1967	0.0	1810	79	16.16-	175	04.56	T-3-1084 0.00	0.06-0.25	0.01	90.0	0.0
20	04	1967	0.0	1956	79	16.19-	175	04.94	T-3-1086 0.09	0.08-0.21	-0.05	90.0	0.0
20	04	1967	0.0	2140	79	16.97-	175	06.64	T-3-1087 0.10	0.19-0.13	-0.13	90.0	0.0
21	4	1967	0.0	112	79	17.39-	175	5.35	T-3-1089	0.10-0.54	0.04-0.18	90.	0.0
21	04	1967	0.0	0214	79	17.69-	175	06.72	T-3-1090-0.06	-0.08 0.20	0.06	90.0	0.0
21	04	1967	0.0	0302	79	17.58-	176	06.83	T-3-1091 0.13	-0.17 0.15	-0.11	90.0	0.0
21	04	1967	0.0	0400	79	17.86-	176	06.95	T-3-1092-0.14	-0.16 0.13	0.07	90.0	0.0
21	04	1967	0.0	0636	79	18.31-	176	06.61	T-3-1093-0.05	-0.05 0.21	-0.04	90.0	0.0
21	04	1967	0.0	0828	79	18.40-	176	06.81	T-3-1094-0.02	-0.11 0.12	0.12	90.0	0.0
21	04	1967	0.0	1012	79	18.60-	176	05.38	T-3-1095-0.18	-0.27 0.10	0.10	90.0	0.0
21	04	1967	0.0	1108	79	18.97-	176	05.04	T-3-1096-0.03	0.08-0.16	0.11	90.0	0.0
21	4	1967	0.0	1200	79	19.17-	176	7.08	T-3-1097-0.14	3.25 0.00	-0.07	90.	0.0
21	04	1967	0.0	1254	79	19.36-	176	03.72	T-3-1098 0.04	0.05-0.22	0.06	90.0	0.0
21	04	1967	0.0	1346	79	19.77-	176	03.29	T-3-1099-0.15	0.26-0.08	0.08	90.0	0.0
21	04	1967	0.0	1438	79	19.89-	176	02.35	T-3-1100 0.10	0.09-0.20	-0.06	90.0	0.0
21	04	1967	0.0	1536	79	20.33-	176	01.53	T-3-1101-0.00	0.11-0.10	0.12	90.0	0.0
21	04	1967	0.0	1718	79	20.00-	176	00.11	T-3-1102-0.06	0.06-0.25	0.01	90.0	0.0
21	04	1967	0.0	1804	79	21.31-	174	59.34	T-3-1103 0.03	0.07-0.22	-0.07	90.0	0.0
21	04	1967	0.0	1956	79	21.53-	174	57.01	T-3-1104 0.1	-0.26 0.06	-0.07	90.0	0.0
21	04	1967	0.0	2050	79	21.77-	174	58.28	T-3-1105 0.10	0.14-0.16	-0.11	90.0	0.0
21	04	1967	0.0	2330	79	22.06-	174	56.24	T-3-1107 0.03	-0.08 0.20	-0.07	90.0	0.0
22	04	1967	0.0	0306	79	22.19-	174	52.89	T-3-1108-	0.10-0.13 0.16	0.08	90.0	0.0
22	04	1967	0.0	0358	79	22.19-	174	51.65	T-3-1109 0.0	-0.09 0.19	0.08	90.0	0.0
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22	04	1967	0.0	1012	79	22.72-	174	45.22	T-3-1114-0.10	0.09-0.16	0.05	90.0	0.0
22	04	1967	0.0	1108	79	22.62-	174	46.22	T-3-1115-0.25	-0.88 0.06	0.15	90.0	0.0
22	4	1967	0.0	1254	79	22.66-	174	43.41	T-3-1116-0.15	0.30-0.04	0.02	90.	0.0
22	04	1967	0.0	1342	79	22.50-	174	42.31	T-3-1117 0.04	0.07-0.23	-0.09	90.0	0.0
22	04	1967	0.0	1528	79	22.48-	174	40.73	T-3-1118 0.10	0.15-0.15	-0.13	90.0	0.0
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24	04	1967	0.0	1010	79	22.15-	173	55.27	T-3-1150-0.10	0.10-0.19	0.09	90.0	0.0
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2	5	1967	0.0	252	79	40.36-	173	51.59	T-3-1288-	0.14-	0.11	0.13	0.02	90.	0.0
2	5	1967	0.0	814	79	41.28-	173	43.46	T-3-1290-	0.09	0.16-	0.09	0.09	90.	0.0
2	5	1967	0.0	1132	79	41.98-	173	39.44	T-3-1292-	0.20	0.87-	0.02	0.06	90.	0.0
2	5	1967	0.0	1318	79	42.42-	173	37.13	T-3-1293-	0.14	0.18-	0.10	0.06	90.	0.0
2	5	1967	0.0	1504	79	42.81-	173	34.95	T-3-1294-	0.12	0.09-	0.20	0.05	90.	0.0
2	5	1967	0.0	1650	79	43.25-	173	33.12	T-3-1295-	0.03	0.35-	0.25-	0.00	90.	0.0
2	5	1967	0.0	1704	79	43.30-	173	32.77	T-3-1296	0.12	0.26-	0.03-	0.03	90.	0.0
2	5	1967	0.0	1936	79	43.70-	173	32.13	T-3-1297	0.05	0.08-	0.20-	0.08	90.	0.0
2	5	1967	0.0	2022	79	44.47-	173	31.17	T-3-1299	0.10	0.16-	0.13-	0.11	90.	0.0
3	5	1967	0.0	142	79	47.05-	173	24.20	T-3-1302	0.10-	0.19	0.11-	0.13	90.	0.0
3	5	1967	0.0	706	79	48.05-	173	22.31	T-3-1304-	0.09-	0.08	0.17	0.05	90.	0.0
3	5	1967	0.0	720	79	48.78-	173	22.50	T-3-1305-	0.09	0.26-	0.05	0.10	90.	0.0
3	5	1967	0.0	852	79	48.67-	173	21.25	T-3-1306-	0.17-	0.17	0.10	0.04	90.	0.0
3	5	1967	0.0	1414	79	48.86-	173	18.72	T-3-1307-	0.09	0.11-	0.12	0.06	90.	0.0
3	5	1967	0.0	1600	79	48.79-	173	16.88	T-3-1308-	0.05	0.06-	0.20	0.04	90.	0.0
3	5	1967	0.0	1752	79	48.56-	173	15.70	T-3-1309	0.03	0.10-	0.15-	0.07	90.	0.0
3	5	1967	0.0	2116	79	48.59-	173	13.04	T-3-1310	0.06	0.23-	0.07-	0.13	90.	0.0
4	5	1967	0.0	52	79	48.29-	173	11.37	T-3-1312	0.06-	0.25	0.06-	0.13	90.	0.0
4	5	1967	0.0	252	79	48.11-	173	10.41	T-3-1314-	0.06-	0.13	0.09	0.07	90.	0.0
4	5	1967	0.0	438	79	47.74-	173	9.31	T-3-1315-	0.11-	0.29	0.03	0.04	90.	0.0
4	5	1967	0.0	624	79	47.35-	173	4.69	T-3-1316-	0.30	0.82-	0.06	0.13	90.	0.0
4	5	1967	0.0	750	79	46.64-	173	7.59	T-3-1318-	0.16-	0.42	0.05	0.10	90.	0.0
4	5	1967	0.0	1134	79	46.74-	173	6.22	T-3-1319-	0.16	0.27-	0.02-	0.01	90.	0.0

4	5	1967	0.0	1326	79	46.2[illegible]-173	3.93	T-3-1320	0.03	0.08-0.17-0.12	90.	0.0
4	5	1967	0.0	1658	79	45.16-173	3.83	T-3-1322	0.08	0.[illegible]-0.02-0.15	90.	0.0
4	5	1967	0.0	1840	79	44.25-173	3.77	T-3-1323	0.04	0.09-0.19-0.10	90.	0.0
4	5	1967	0.0	2028	79	43.52-173	4.81	T-3-1324	0.12	0.13-0.11-0.05	90.	0.0
4	5	1967	0.0	2212	79	42.72-173	5.30	T-3-1325	0.05	0.44-0.02-0.10	90.	0.0
5	5	1967	0.0	8	79	41.82-173	6.47	T-3-1327-0.04-0.05		0.21-0.02	90.	0.0
5	5	1967	0.0	144	79	40.9[illegible]-173	6.52	T-3-1328 [illegible].00-0.14		0.08-0.15	90.	0.0
5	5	1967	0.0	332	79	40.1[illegible]-173	7.15	T-3-1329-0.01-0.07		0.14-0.13	90.	0.0
5	5	1967	0.0	522	79	39.34-173	8.09	T-3-1330-0.04-0.04		0.17-0.04	90.	0.0
5	5	1967	0.0	710	79	38.67-173	9.28	T-3-1331-0.12-0.08		0.17 0.03	90.	0.0
5	5	1967	0.0	858	79	38.16-1[illegible]6	9.74	T-3-1332-0.16-0.23		0.09 0.08	90.	0.0
5	5	1967	0.0	1046	79	37.83-173	1.17	T-3-1333-0.01 2.41		-0.00-0.09	90.	0.0
5	5	1967	0.0	1414	79	36.17-173	5.09	T-3-1334-0.14		0.04-0.1[illegible]-0.08	90.	0.0
5	5	1967	0.0	1604	79	36.[illegible]0-173	5.98	T-3-1335-0.06		0.06-0.24 0.02	90.	0.0
5	5	1967	0.0	1748	79	36.17-173	5.97	T-3-1336-0.01		0.07-0.15-0.10	90.	0.0
5	5	1967	0.0	1936	79	36.10-173	6.13	T-3-1337 0.03		0.11-0.14-0.08	90.	0.0
5	5	1967	0.0	2122	79	36.25-173	5.18	T-3-1338 0.09		0.16-0.06-0.07	90.	0.0
5	5	1967	0.0	2314	79	36.52-173	2.87	T-3-1340 0.01-0.05		0.19-0.01	90.	0.0
6	5	1967	0.0	52	79	36.67-172	46.70	T-3-1340-0.04-0.12		0.04-0.14	90.	0.0
6	5	1967	0.0	242	79	37.24-172	46.47	T-3-1341 0.04-0.10		0.15-0.13	90.	0.0
6	5	1967	0.0	806	79	36.24-172	47.10	T-3-1343-0.17		0.12-0.12 0.01	90.	0.0
6	5	1967	0.0	952	79	35.85-172	44.41	T-3-1344-0.09		0.04-0.14-0.04	90.	0.0
6	5	1967	0.0	1138	79	35.62-172	40.51	T-3-1345-0.03		0.05-0.21-0.06	90.	0.0
6	5	1967	0.0	1324	79	35.36-172	36.39	T-3-1346 0.05		0.09-0.18-0.12	90.	0.0
6	5	1967	0.0	1658	79	34.82-172	27.98	T-3-1347-0.02		0.05-0.21-0.06	90.	0.0
6	5	1967	0.0	2028	79	34.14-172	21.91	T-3-1348-0.02-0.11		0.07-0.12	90.	0.0
6	5	1967	0.0	2216	79	34.20-172	20.27	T-3-1349 0.03		0.54-0.01-0.10	90.	0.0
7	5	1967	0.0	8	79	34.19-172	17.25	T-3-1351 0.00-0.06		0.13 0.07	90.	0.0
7	5	1967	0.0	152	79	34.06-172	14.17	T-3-1352 0.10-0.12		0.14-0.09	90.	0.0
7	5	1967	0.0	340	79	34.09-172	12.46	T-3-1352 0.03-0.05		0.17-0.02	90.	0.0
7	5	1967	0.0	900	79	33.86-172	10.54	T-3-1353-0.12		0.10-0.18 0.06	90.	0.0
7	5	1967	0.0	1044	79	33.90-172	10.35	T-3-1354-0.06		0.04-0.21-0.03	90.	0.0
7	5	1967	0.0	1232	79	33.87-172	10.21	T-3-1355 0.05		0.05-0.20-0.02	90.	0.0
7	5	1967	0.0	1416	79	33.68-172	11.05	T-3-1356 0.08		0.14-0.14-0.13	90.	0.0
7	5	1967	0.0	1600	79	34.09-172	10.30	T-3-1357 0.04		0.33-0.05-0.16	90.	0.0
7	5	1967	0.0	1836	79	34.11-172	9.20	T-3-1359 0.08		-0.17 0.08-0.09	90.	0.0
7	5	1967	0.0	2122	79	34.27-172	10.41	T-3-1360 0.03		-0.09 0.16-0.10	90.	0.0
7	5	1967	0.0	2308	79	34.55-172	11.31	T-3-1361-		[illegible].06 [illegible].17-0.10	90.	0.0
8	5	1967	0.0	56	79	34.76-172	11.60	T-3-1362-0.11		-0.06 0.16-0.05	90.	0.0
8	5	1967	0.0	246	79	34.69-172	11.76	T-3-1363-0.11		-0.12 0.11 0.04	90.	0.0
8	5	1967	0.0	618	79	34.98-172	11.06	T-3-1364-0.20		0.45-0.05 0.06	90.	0.0
8	5	1967	0.0	806	79	34.98-172	11.22	T-3-1365-0.12		0.13-0.12 0.06	90.	0.0
8	5	1967	0.0	952	79	34.95-172	11.21	T-3-1366-0.06		0.06-0.19 0.04	90.	0.0
8	5	1967	0.0	1320	79	34.97-172	11.04	T-3-1367 0.01		0.09-0.14-0.14	90.	0.0
8	5	1967	0.0	1838	79	34.38-172	4.08	T-3-1369-0.00-0.25		0.03-0.13	90.	0.0
8	5	1967	0.0	2028	79	34.[illegible]-172	2.66	T-3-1370 0.06-0.12		0.11-0.09	90.	0.0
8	5	1967	0.0	2214	79	33.86-172	0.85	T-3-1371-0.00-0.07		0.18-0.10	90.	0.0
8	5	1967	0.0	2402	79	33.55-171	58.44	T-3-1372-0.07-0.05		0.19-0.04	90.	0.0
9	5	1967	0.0	150	79	33.31-171	55.60	T-3-1373-0.12-0.09		0.15 0.02	90.	0.0
9	5	1967	0.0	338	79	33.03-171	53.27	T-3-1374-0.13-0.25		0.06 0.06	90.	0.0
9	5	1967	0.0	858	79	32.60-171	46.11	T-3-1375-0.09		0.09-0.16 0.06	90.	0.0
9	5	1967	0.0	1042	79	32.43-171	42.72	T-3-1376-0.05		0.05-0.22-0.02	90.	0.0
9	5	1967	0.0	1244	79	32.29-171	41.49	T-3-1377-0.04		0.17-0.07 0.11	90.	0.0
9	5	1967	0.0	1430	79	32.25-171	39.79	T-3-1378-0.02		0.1[illegible] [illegible].13 0.11	90.	0.0
9	5	1967	0.0	1616	79	32.25-171	37.87	T-3-1379 0.02		0.06-0.17 0.08	90.	0.0
9	5	1967	0.0	1758	79	32.18-171	36.24	T-3-1380 0.04		0.08-0.22-0.09	90.	0.0
9	5	1967	0.0	1944	79	32.24-171	34.74	T-3-1381 0.07		0.16-0.12-0.13	90.	0.0
9	5	1967	0.0	2128	79	32.34-171	33.48	T-3-1382-0.01		0.23-0.02-0.13	90.	0.0
10	5	1967	0.0	58	79	32.44-171	30.43	T-3-1383-0.04-0.08		[illegible].16 [illegible]08	90.	0.0
10	5	1967	0.0	244	79	32.58-171	29.13	T-3-1384-0.11-0.16		0.10 [illegible]7	90.	0.0

10	5	1967	0.0	618	79	32.71-171	27.72	T-3-1385-0.15	0.42-0.05	0.11	90.	0.0
10	5	1967	0.0	1150	79	32.83-171	31.86	T-3-1386-0.13	0.19-0.06	0.03	90.	0.0
10	5	1967	0.0	1336	79	32.67-171	29.61	T-3-1388-0.11	0.08-0.13	0.01	90.	0.0
10	5	1967	0.0	1502	79	32.60-171	30.47	T-3-1389-0.01	0.18-0.05	-0.16	90.	0.0
10	5	1967	0.0	1522	79	32.62-171	29.64	T-3-1390-0.06	0.05-0.18	-0.02	90.	0.0
10	5	1967	0.0	1708	79	32.60-171	29.62	T-3-1392 0.00	0.06-0.19	-0.06	90.	0.0
10	5	1967	0.0	1836	79	32.46-171	29.26	T-3-1393 0.01	-0.25 0.04	-0.13	90.	0.0
10	5	1967	0.0	2024	79	32.40-171	30.34	T-3-1395 0.01	-0.11 0.09	-0.11	90.	0.0
10	5	1967	0.0	2212	79	32.52-171	30.97	T-3-1397-0.00	-0.07 0.18	-0.10	90.	0.0
10	5	1967	0.0	2400	79	32.63-171	30.88	T-3-1398-0.06	-0.06 0.20	-0.02	90.	0.0
11	5	1967	0.0	148	79	32.63-171	30.61	T-3-1399-0.12	-0.10 0.15	0.03	90.	0.0
11	5	1967	0.0	336	79	32.55-171	30.90	T-3-1400-0.12	-0.20 0.06	0.04	90.	0.0
11	5	1967	0.0	350	79	32.60-171	30.52	T-3-1401 0.01	-0.04 0.17	0.00	90.	0.0
11	5	1967	0.0	708	79	32.46-171	30.36	T-3-1402-0.17	0.20-0.10	0.06	90.	0.0
11	5	1967	0.0	726	79	32.46-171	30.70	T-3-1403-0.08	-0.12 0.10	0.08	90.	0.0
11	5	1967	0.0	854	79	32.39-171	30.31	T-3-1404-0.12	0.06-0.18	0.03	90.	0.0
11	5	1967	0.0	912	79	32.37-171	31.90	T-3-1405-0.16	-0.33 0.05	0.06	90.	0.0
11	5	1967	0.0	1040	79	32.42-171	31.11	T-3-1406-0.03	0.05-0.19	-0.01	90.	0.0
11	5	1967	0.0	1058	79	32.42-171	30.68	T-3-1407-0.17	0.40-0.03	0.01	90.	0.0
11	5	1967	0.0	1226	79	32.32-171	30.68	T-3-1408 0.04	0.05-0.18	-0.03	90.	0.0
11	5	1967	0.0	1246	79	32.45-171	30.90	T-3-1409-0.12	0.13-0.10	0.05	90.	0.0
11	5	1967	0.0	1430	79	32.36-171	30.54	T-3-1410-0.11	0.06-0.18	-0.01	90.	0.0
11	5	1967	0.0	1554	79	32.32-171	30.60	T-3-1411 0.00	0.34-0.03	-0.16	90.	0.0
11	5	1967	0.0	1616	79	32.18-171	30.24	T-3-1412-0.04	0.05-0.21	-0.06	90.	0.0
11	5	1967	0.0	1802	79	31.90-171	30.85	T-3-1414 0.02	0.09-0.17	-0.12	90.	0.0
11	5	1967	0.0	1930	79	31.77-171	30.09	T-3-1415 0.05	-0.15 0.08	-0.10	90.	0.0
12	5	1967	0.0	108	79	30.69-171	30.30	T-3-1417 0.01	-0.13 0.08	-0.12	90.	0.0
12	5	1967	0.0	240	79	30.45-171	30.93	T-3-1418-0.14	-0.14 0.10	0.03	90.	0.0
12	5	1967	0.0	258	79	30.42-171	30.18	T-3-1419 0.04	-0.05 0.17	-0.03	90.	0.0
12	5	1967	0.0	612	79	29.76-171	28.99	T-3-1420-0.19	0.26-0.05	0.01	90.	0.0
12	5	1967	0.0	820	79	29.26-171	30.56	T-3-1421-0.17	-0.20 0.09	0.05	90.	0.0
12	5	1967	0.0	946	79	29.07-171	29.37	T-3-1422-0.08	0.05-0.22	0.01	90.	0.0
12	5	1967	0.0	1132	79	28.71-171	29.84	T-3-1424 0.01	0.05-0.20	-0.04	90.	0.0
12	5	1967	0.0	1134	79	28.79-171	30.46	T-3-1425-0.13	0.15-0.06	0.01	90.	0.0
12	5	1967	0.0	1314	79	28.44-171	30.27	T-3-1426-0.01	0.10-0.11	-0.15	90.	0.0
12	5	1967	0.0	1340	79	28.51-171	29.48	T-3-1427-0.13	0.09-0.16	0.01	90.	0.0
12	5	1967	0.0	1526	79	28.17-171	29.87	T-3-1428-0.06	0.05-0.18	-0.04	90.	0.0
12	5	1967	0.0	1834	79	27.56-171	27.61	T-3-1432-0.01	-0.18 0.03	-0.10	90.	0.0
12	5	1967	0.0	1856	79	27.47-171	28.80	T-3-1433 0.01	0.12	-0.11-0.14	90.	0.0
12	5	1967	0.0	2022	79	27.21-171	28.08	T-3-1434 0.02	-0.11 0.11	-0.10	90.	0.0
12	5	1967	0.0	2044	79	27.26-171	28.90	T-3-1435 0.06	0.21-0.06	-0.09	90.	0.0
13	5	1967	0.0	144	79	26.60-171	27.03	T-3-1437-0.14	-0.08 0.13	-0.01	90.	0.0
13	5	1967	0.0	352	79	26.18-171	25.56	T-3-1438-0.03	-0.05 0.18	-0.09	90.	0.0
13	5	1967	0.0	706	79	25.53-171	24.38	T-3-1440-0.17	0.20-0.11	0.07	90.	0.0
13	5	1967	0.0	730	79	25.48-171	25.03	T-3-1441-0.12	-0.12 0.12	0.05	90.	0.0
13	5	1967	0.0	852	79	25.34-171	24.51	T-3-1442-0.11	0.08-0.19	0.04	90.	0.0
13	5	1967	0.0	1038	79	25.09-171	23.89	T-3-1444-0.02	0.04-0.20	-0.01	90.	0.0
13	5	1967	0.0	1102	79	25.31-171	24.74	T-3-1445-0.17	0.25-0.04	-0.00	90.	0.0
13	5	1967	0.0	1222	79	25.01-171	24.88	T-3-1446 0.02	0.08-0.19	-0.11	90.	0.0
13	5	1967	0.0	1250	79	25.26-171	24.48	T-3-1447-0.14	0.14-0.13	0.05	90.	0.0
13	5	1967	0.0	1408	79	25.10-171	24.96	T-3-1448 0.05	0.14-0.10	-0.12	90.	0.0
13	5	1967	0.0	1436	79	25.10-171	23.99	T-3-1449-0.09	0.07-0.19	0.03	90.	0.0
13	5	1967	0.0	1552	79	25.03-171	24.54	T-3-1450 0.03	0.41-0.03	-0.17	90.	0.0
13	5	1967	0.0	1620	79	24.86-171	23.94	T-3-1451-0.04	0.05-0.20	-0.08	90.	0.0
13	5	1967	0.0	1740	79	24.81-171	23.16	T-3-1452 0.02	-0.39 0.02	-0.09	90.	0.0
13	5	1967	0.0	1928	79	24.52-171	23.99	T-3-1453 0.06	-0.15 0.09	-0.10	90.	0.0
13	5	1967	0.0	2114	79	24.41-171	25.17	T-3-1454 0.01	-0.09 0.16	-0.12	90.	0.0
13	5	1967	0.0	2302	79	24.30-171	25.88	T-3-1455-0.04	-0.05 0.19	-0.06	90.	0.0
14	5	1967	0.0	50	79	24.30-171	26.39	T-3-1457-0.09	-0.06 0.15	-0.03	90.	0.0
14	5	1967	0.0	112	79	24.30-171	25.70	T-3-1458-0.01	-0.11 0.07	-0.12	90.	0.0

14	5	1967	0.0	240	79	24.27-171	26.35	T-3-1459-0.09-0.16	0.09	0.08	90.	0.0
14	5	1967	0.0	612	79	24.22-171	25.52	T-3-1460-0.15	0.30-0.05	0.07	90.	0.0
14	5	1967	0.0	756	79	24.24-171	25.30	T-3-1461-0.16	0.09-0.14	0.00	90.	0.0
14	5	1967	0.0	826	79	24.17-171	25.74	T-3-1462-0.15-0.19	0.08	0.05	90.	0.0
14	5	1967	0.0	1012	79	24.37-171	24.94	T-3-1463-0.10	0.63-0.00-0.02		90.	0.0
14	5	1967	0.0	1128	79	24.37-171	25.37	T-3-1464-0.00	0.09-0.21-0.07		90.	0.0
14	5	1967	0.0	1158	79	24.58-171	25.40	T-3-1465-0.16	0.17-0.08	0.02	90.	0.0
14	5	1967	0.0	1312	79	24.56-171	25.51	T-3-1466 0.00	0.11-0.12-0.15		90.	0.0
14	5	1967	0.0	1344	79	24.74-171	24.60	T-3-1467-0.13	0.08-0.16-0.00		90.	0.0
14	5	1967	0.0	1500	79	24.79-171	24.87	T-3-1468 0.08	0.22-0.07-0.12		90.	0.0
14	5	1967	0.0	1530	79	24.83-171	23.65	T-3-1469-0.06	0.05-0.21-0.04		90.	0.0
14	5	1967	0.0	2018	79	25.04-171	21.29	T-3-1470-0.00-0.12	0.11-0.14		90.	0.0
14	5	1967	0.0	2356	79	25.62-171	20.76	T-3-1472-0.05-0.05	0.18-0.01		90.	0.0
15	5	1967	0.0	144	79	25.94-171	19.58	T-3-1474-0.09-0.11	0.12	0.05	90.	0.0
15	5	1967	0.0	546	79	26.48-171	15.87	T-3-1475-0.10-0.07	0.18	0.01	90.	0.0
15	5	1967	0.0	702	79	26.66-171	15.11	T-3-1476-0.17	0.15-0.10	0.02	90.	0.0
15	5	1967	0.0	736	79	26.70-171	15.09	T-3-1477-0.10-0.16	0.10	0.10	90.	0.0
15	5	1967	0.0	848	79	26.87-171	14.46	T-3-1478-0.12	0.06-0.18-0.00		90.	0.0
15	5	1967	0.0	922	79	26.94-171	16.37	T-3-1479-0.19-0.85	0.03	0.12	90.	0.0
15	5	1967	0.0	1108	79	27.37-171	13.92	T-3-1480-0.14	0.30-0.05	0.04	90.	0.0
15	5	1967	0.0	1438	79	28.15-171	11.50	T-3-1481-0.11	0.05-0.17-0.06		90.	0.0
15	5	1967	0.0	1624	79	28.34-171	10.66	T-3-1482-0.04	0.06-0.18-0.11		90.	0.0
15	5	1967	0.0	1738	79	28.64-171	8.45	T-3-1483 0.00-0.36	0.02-0.08		90.	0.0
15	5	1967	0.0	1812	79	28.57-171	10.48	T-3-1484 0.04	0.10-0.15-0.10		90.	0.0
15	5	1967	0.0	1956	79	28.99-171	10.34	T-3-1485 0.02	0.19-0.07-0.14		90.	0.0
15	5	1967	0.0	2112	79	29.26-171	9.16	T-3-1486 0.00-0.08	0.14-0.10		90.	0.0
15	5	1967	0.0	2142	79	29.39-171	12.19	T-3-1487-0.03	0.59-0.00-0.10		90.	0.0
15	5	1967	0.0	2258	79	29.68-171	9.64	T-3-1488-0.07-0.05	0.16-0.10		90.	0.0
16	5	1967	0.0	50	79	30.23-171	9.45	T-3-1489-0.07-0.08	0.16	0.06	90.	0.0
16	5	1967	0.0	116	79	30.27-171	8.46	T-3-1490-0.01-0.11	0.09-0.15		90.	0.0
16	5	1967	0.0	304	79	30.71-171	8.50	T-3-1491-0.05-0.06	0.10-0.12		90.	0.0
16	5	1967	0.0	454	79	31.30-171	8.46	T-3-1492-0.06-0.04	0.16-0.04		90.	0.0
16	5	1967	0.0	608	79	31.55-171	9.55	T-3-1493-0.15	0.16-0.05	0.01	90.	0.0
16	5	1967	0.0	640	79	31.61-171	9.16	T-3-1494-0.15-0.07	0.12-0.04		90.	0.0
16	5	1967	0.0	754	79	31.92-171	9.65	T-3-1495-0.15	0.10-0.15	0.02	90.	0.0
16	5	1967	0.0	940	79	32.19-171	10.01	T-3-1496-0.08	0.05-0.21-0.01		90.	0.0
16	5	1967	0.0	1456	79	33.43-171	13.33	T-3-1497 0.05	0.25-0.07-0.16		90.	0.0
16	5	1967	0.0	1830	79	34.00-171	13.92	T-3-1499 0.05-0.24	0.06-0.12		90.	0.0
16	5	1967	0.0	1908	79	34.08-171	16.58	T-3-1500 0.08	0.13-0.12-0.09		90.	0.0
16	5	1967	0.0	2016	79	34.31-171	16.74	T-3-1501 0.00-0.11	0.12-0.14		90.	0.0
16	5	1967	0.0	2054	79	34.47-171	18.21	T-3-1502 0.09	0.24-0.04-0.07		90.	0.0
6	5	1967	0.0	2206	79	34.76-171	19.21	T-3-1503 0.01-0.06	0.21-0.05		90.	0.0
16	5	1967	0.0	2352	79	35.20-171	21.20	T-3-1504-0.09-0.05	0.18-0.04		90.	0.0
17	5	1967	0.0	26	79	35.19-171	21.23	T-3-1505 0.01-0.14	0.06-0.12		90.	0.0
17	5	1967	0.0	214	79	35.63-171	23.64	T-3-1506 0.00-0.08	0.13-0.11		90.	0.0
17	5	1967	0.0	328	79	35.85-171	25.43	T-3-1507-0.12-0.22	0.05	0.03	90.	0.0
17	5	1967	0.0	512	79	36.17-171	27.72	T-3-1508-0.17	0.43-0.02	0.03	90.	0.0
17	5	1967	0.0	550	79	36.28-171	27.48	T-3-1509-0.12-0.06	0.17-0.00		90.	0.0
17	5	1967	0.0	700	79	36.37-171	29.02	T-3-1510-0.14	0.10-0.09	0.00	90.	0.0
17	5	1967	0.0	738	79	36.45-171	29.53	T-3-1511-0.16-0.17	0.10	0.05	90.	0.0
17	5	1967	0.0	846	79	36.47-171	30.22	T-3-1512-0.10	0.05-0.15-0.02		90.	0.0
17	5	1967	0.0	924	79	36.67-171	33.62	T-3-1513-0.29-1.68	0.03	0.12	90.	0.0
17	5	1967	0.0	1032	79	36.76-171	32.47	T-3-1514-0.03	0.04-0.19-0.05		90.	0.0
17	5	1967	0.0	1112	79	37.00-171	33.21	T-3-1515-0.16	0.24-0.06	0.03	90.	0.0
17	5	1967	0.0	1216	79	36.93-171	34.63	T-3-1516 0.00	0.08-0.16-0.13		90.	0.0
17	5	1967	0.0	1258	79	37.23-171	34.53	T-3-1517-0.14	0.10-0.14	0.01	90.	0.0
17	5	1967	0.0	1402	79	37.29-171	36.37	T-3-1518 0.02	0.14-0.08-0.13		90.	0.0
17	5	1967	0.0	1444	79	37.43-171	35.85	T-3-1519-0.09	0.05-0.20-0.02		90.	0.0
17	5	1967	0.0	1548	79	37.56-171	38.21	T-3-1520 0.03	0.41-0.02-0.13		90.	0.0
17	5	1967	0.0	1816	79	37.66-171	39.96	T-3-1521 0.03	0.11-0.12-0.11		90.	0.0

17	5	1967	0.0	1922	7[illegible]	37.86	-171	39.73	T-3-1522	0.01-0.14	0.07-0.11	90.	0.0
17	5	1967	0.0	2[illegible]	7[illegible]	37.90	-171	42.10	T-3-1523	0.05	0.18-0.06-0.10	90.	0.0
18	5	1967	0.0	234	79	38.83	-171	48.29	T-3-1526	-0.12-0.15	0.09	0.05	90.	0.0
18	5	1967	0.0	646	79	39.21	-171	51.16	T-3-1529	-0.15-0.10	0.13	0.01	90.	0.0
18	5	1967	0.0	938	79	39.31	-171	53.27	T-3-1530	-0.07	0.04-0.19-0.02		90.	0.0
18	5	1967	0.0	1124	79	39.30	-171	54.02	T-3-1532	0.01	0.05-0.19-0.06		90.	0.0
18	5	1967	0.0	1308	79	39.46	-171	56.76	T-3-1533	0.01	0.10-0.10-0.12		90.	0.0
18	5	1967	0.0	1454	79	39.61	-171	57.78	T-3-1534	0.02	0.21-0.05-0.13		90.	0.0
18	5	1967	0.0	1541	79	39.56	-171	57.38	T-3-1535	-0.03	0.05-0.19-0.05		90.	0.0
18	5	1967	0.0	1912	79	39.44	-172	0.25	T-3-1536	0.07	0.12-0.11-0.08		90.	0.0
18	5	1967	0.0	2204	79	39.54	-172	1.38	T-3-1538	0.01-0.06	0.19-0.04		90.	0.0
18	5	1967	0.0	2350	79	39.57	-172	2.45	T-3-1537	-0.08-0.06	0.19-0.02		90.	0.0
19	5	1967	0.0	218	79	39.59	-172	3.10	T-3-1539	-0.00-0.08	0.15-0.13		90.	0.0
19	5	1967	0.0	556	79	39.56	-172	3.67	T-3-1540	-0.11-0.08	0.17	0.04	90.	0.0
19	5	1967	0.0	658	79	39.52	-172	3.34	T-3-1541	-0.16	0.17-0.11	0.06	90.	0.0
19	5	1967	0.0	846	79	39.46	-172	3.00	T-3-1542	-0.07	0.08-0.17	0.07	90.	0.0
19	5	1967	0.0	1216	79	39.44	-172	4.55	T-3-1544	0.05	0.06-0.17-0.04		90.	0.0
19	5	1967	0.0	1302	79	39.71	-172	4.56	T-3-1545	-0.14	0.08-0.14-0.00		90.	0.0
19	5	1967	0.0	1634	79	39.69	-172	4.28	T-3-1547	-0.01	0.06-0.19-0.09		90.	0.0
19	5	1967	0.0	1820	79	39.69	-172	4.50	T-3-1548	0.02	0.11-0.11-0.11		90.	0.0
19	5	1967	0.0	1920	79	39.69	-172	3.72	T-3-1549	0.03-0.14	0.08-0.11		90.	0.0
19	5	1967	0.0	2338	79	39.56	-172	3.28	T-3-1550	0.00-0.21	0.05-0.16		90.	0.0
20	5	1967	0.0	42	79	39.61	-172	4.54	T-3-1551	-0.10-0.05	0.13-0.04		90.	0.0
20	5	1967	0.0	416	79	39.45	-172	4.98	T-3-1552	-0.14-0.62	0.01-0.03		90.	0.0
20	5	1967	0.0	504	79	39.37	-172	2.06	T-3-1553	-0.07-0.05	0.16-0.02		90.	0.0
20	5	1967	0.0	840	79	38.85	-172	2.61	T-3-1554	-0.17-0.38	0.05	0.07	90.	0.0
20	5	1967	0.0	934	79	38.83	-172	0.40	T-3-1555	-0.09	0.04-0.19-0.05		90.	0.0
20	5	1967	0.0	1450	79	38.37	-172	0.80	T-3-1556	0.01	0.24-0.05-0.16		90.	0.0
20	5	1967	0.0	1544	79	38.24	-172	0.21	T-3-1557	-0.03	0.05-0.18-0.07		90.	0.0
20	5	1967	0.0	1730	79	37.89	-171	59.40	T-3-1558	0.03	0.08-0.16-0.09		90.	0.0
20	5	1967	0.0	1916	79	37.68	-171	58.81	T-3-1559	0.06	0.15-0.09-0.10		90.	0.0
20	5	1967	0.0	2102	79	37.41	-171	58.04	T-3-1560	0.02	0.37-0.02-0.09		90.	0.0
20	5	1967	0.0	2348	79	36.93	-171	56.85	T-3-1561	-0.07-0.05	0.17-0.02		90.	0.0
21	5	1967	0.0	250	79	36.22	-171	54.65	T-3-1562	0.02-0.17	0.08-0.15		90.	0.0
21	5	1967	0.0	322	79	36.26	-171	56.44	T-3-1563	-0.13-0.17	0.04-0.01		90.	0.0
21	5	1967	0.0	438	79	35.94	-171	54.20	T-3-1564	-0.02-0.08	0.10-0.12		90.	0.0
21	5	1967	0.0	600	79	35.71	-171	53.68	T-3-1565	-0.13-0.08	0.16	0.01	90.	0.0
21	5	1967	0.0	628	79	35.69	-171	53.10	T-3-1566	-0.03-0.05	0.18-0.04		90.	0.0
21	5	1967	0.0	748	79	35.31	-171	52.84	T-3-1567	-0.14-0.17	0.07	0.03	90.	0.0
21	5	1967	0.0	816	79	35.25	-171	52.65	T-3-1568	-0.11-0.07	0.18	0.00	90.	0.0
21	5	1967	0.0	842	79	35.12	-171	51.75	T-3-1569	-0.09	0.06-0.18	0.02	90.	0.0
21	5	1967	0.0	1826	79	34.02	-171	47.04	T-3-1571	0.07	0.10-0.13-0.07		90.	0.0
21	5	1967	0.0	1826	79	33.97	-171	46.11	T-3-1572	-0.01	0.06-0.20-0.09		90.	0.0
21	5	1967	0.0	2044	79	33.71	-171	45.30	T-3-1573	0.08	0.10-0.16-0.09		90.	0.0
21	5	1967	0.0	2106	79	33.76	-171	44.38	T-3-1574	0.03-0.07	0.18-0.07		90.	0.0
21	5	1967	0.0	2252	79	33.75	-171	43.66	T-3-1576	-0.06-0.05	0.15-0.08		90.	0.0
22	5	1967	0.0	40	79	33.62	-171	43.27	T-3-1578	-0.13-0.09	0.17	0.01	90.	0.0
22	5	1967	0.0	130	79	33.40	-171	42.12	T-3-1579	-0.02-0.09	0.11-0.15		90.	0.0
22	5	1967	0.0	322	79	33.40	-171	41.51	T-3-1580	0.00-0.05	0.17-0.02		90.	0.0
22	5	1967	0.0	350	79	33.30	-171	40.68	T-3-1581	0.03-0.12	0.13-0.14		90.	0.0
22	5	1967	0.0	508	79	33.36	-171	40.17	T-3-1582	-0.09-0.05	0.14-0.03		90.	0.0
22	5	1967	0.0	538	79	33.34	-171	39.58	T-3-1583	-0.02-0.06	0.19-0.09		90.	0.0
22	5	1967	0.0	656	79	33.29	-171	39.68	T-3-1584	-0.16-0.13	0.12	0.03	90.	0.0
22	5	1967	0.0	728	79	33.31	-171	38.85	T-3-1585	-0.06-0.05	0.18-0.00		90.	0.0
22	5	1967	0.0	844	79	33.36	-171	39.56	T-3-1586	-0.18-0.53	0.03	0.07	90.	0.0
22	5	1967	0.0	1218	79	33.69	-171	37.68	T-3-1589	-0.10	0.13-0.11	0.05	90.	0.0
22	5	1967	0.0	1230	79	33.65	-171	36.91	T-3-1590	-0.15	0.44-0.02	0.02	90.	0.0
22	5	1967	0.0	1402	79	33.83	-171	36.58	T-3-1591	-0.10	0.06-0.19-0.02		90.	0.0
22	5	1967	0.0	1434	79	33.90	-171	37.23	T-3-1593	-0.14	0.0	-0.08-0.05	90.	0.0
22	5	1967	0.0	1622	79	34.09	-171	36.48	T-3-1592	-0.10	0.04-0.14-0.04		90.	0.0

22	5	1967	0.0	2106	79	34.44	-171	36.69	T-3-1594	-0.02	0.40	-0.01	-0.08	90.	0.0
22	5	1967	0.0	2140	79	34.50	-171	36.18	T-3-1595	0.05	0.17	-0.10	-0.15	90.	0.0
22	5	1967	0.0	2156	79	34.50	-171	36.23	T-3-1596	-0.05	-0.06	0.13	-0.11	90.	0.0
22	5	1967	0.0	2328	79	34.72	-171	36.28	T-3-1597	0.09	0.44	-0.03	-0.10	90.	0.0
22	5	1967	0.0	2346	79	34.71	-171	35.30	T-3-1598	-0.07	-0.06	0.17	-0.00	90.	0.0
23	5	1967	0.0	42	79	34.71	-171	34.40	T-3-1599	0.06	-0.14	0.11	-0.12	90.	0.0
23	5	1967	0.0	228	79	35.07	-171	34.70	T-3-1600	-0.02	-0.06	0.13	-0.10	90.	0.0
23	5	1967	0.0	300	79	35.10	-171	33.66	T-3-1601	-0.03	-0.11	0.06	-0.12	90.	0.0
23	5	1967	0.0	320	79	35.10	-171	35.13	T-3-1602	-0.13	-0.22	0.03	0.00	90.	0.0
23	5	1967	0.0	414	79	35.48	-171	34.47	T-3-1603	-0.11	-0.04	0.11	-0.11	90.	0.0
23	5	1967	0.0	450	79	35.32	-171	33.63	T-3-1604	0.01	-0.07	0.16	-0.09	90.	0.0
23	5	1967	0.0	604	79	35.37	-171	34.59	T-3-1605	-0.14	-0.07	0.15	-0.01	90.	0.0
23	5	1967	0.0	636	79	35.45	-171	34.13	T-3-1606	-0.08	-0.05	0.16	-0.10	90.	0.0
23	5	1967	0.0	752	79	35.51	-171	35.23	T-3-1607	-0.15	-0.16	0.06	0.00	90.	0.0
23	5	1967	0.0	826	79	35.57	-171	34.28	T-3-1608	-0.11	-0.06	0.14	-0.01	90.	0.0
23	5	1967	0.0	940	79	35.70	-171	34.89	T-3-1609	-0.10	0.61	-0.00	-0.00	90.	0.0
23	5	1967	0.0	1126	79	35.95	-171	36.51	T-3-1610	-0.13	0.12	-0.08	0.01	90.	0.0
23	5	1967	0.0	1642	79	36.49	-171	37.87	T-3-1612	-0.03	0.07	-0.12	-0.12	90.	0.0
23	5	1967	0.0	2240	79	37.38	-171	42.32	T-3-1613	0.08	0.27	-0.06	-0.11	90.	0.0
24	5	1967	0.0	40	79	37.61	-171	43.30	T-3-1614	-0.08	-0.09	0.15	0.06	90.	0.0
24	5	1967	0.0	212	79	37.85	-171	43.19	T-3-1616	0.02	-0.21	0.07	-0.15	90.	0.0
24	5	1967	0.0	324	79	37.98	-171	46.65	T-3-1617	-0.05	-0.05	0.18	-0.09	90.	0.0
24	5	1967	0.0	512	79	38.11	-171	47.32	T-3-1618	-0.12	-0.05	0.16	-0.03	90.	0.0
24	5	1967	0.0	700	79	38.17	-171	48.50	T-3-1620	-0.17	-0.13	0.10	0.01	90.	0.0
24	5	1967	0.0	738	79	38.14	-171	48.04	T-3-1621	-0.09	-0.06	0.19	0.01	90.	0.0
24	5	1967	0.0	926	79	38.13	-171	50.57	T-3-1622	-0.12	-0.11	0.11	0.02	90.	0.0
24	5	1967	0.0	1738	79	38.24	-171	57.79	T-3-1623	-0.00	0.10	-0.10	-0.12	90.	0.0
24	5	1967	0.0	2152	79	38.18	-172	1.75	T-3-1624	0.08	0.18	-0.09	-0.11	90.	0.0
24	5	1967	0.0	2338	79	38.24	-172	4.56	T-3-1625	0.05	0.09	-0.01	-0.12	90.	0.0
25	5	1967	0.0	124	79	38.25	-172	2.20	T-3-1626	-0.00	-0.36	0.03	-0.15	90.	0.0
25	5	1967	0.0	310	79	38.27	-172	4.35	T-3-1627	-0.02	-0.12	0.08	-0.15	90.	0.0
25	5	1967	0.0	420	79	38.23	-172	6.04	T-3-1628	-0.09	-0.04	0.18	-0.07	90.	0.0
25	5	1967	0.0	500	79	38.17	-172	5.57	T-3-1629	-0.01	-0.07	0.14	-0.10	90.	0.0
25	5	1967	0.0	650	79	37.92	-172	7.48	T-3-1630	-0.13	0.09	-0.10	0.00	90.	0.0
25	5	1967	0.0	836	79	37.74	-172	8.59	T-3-1631	-0.09	0.04	-0.16	-0.02	90.	0.0
25	5	1967	0.0	1022	79	37.56	-172	9.86	T-3-1632	-0.02	0.05	-0.19	-0.06	90.	0.0
25	5	1967	0.0	1132	79	37.60	-172	10.47	T-3-1633	-0.10	0.16	-0.08	0.08	90.	0.0
25	5	1967	0.0	1206	79	37.43	-172	11.78	T-3-1634	-0.00	0.08	-0.12	-0.12	90.	0.0
25	5	1967	0.0	1316	79	37.09	-	10.69	T-3-1635	-0.10	0.05	-0.14	-0.03	90.	0.0
25	5	1967	0.0	1502	79	37.32	-172	12.87	T-3-1636	-0.05	0.05	-0.17	-0.06	90.	0.0
25	5	1967	0.0	1634	79	36.95	-172	14.04	T-3-1637	0.04	0.13	-0.10	-0.11	90.	0.0
25	5	1967	0.0	1912	79	36.90	-172	15.70	T-3-1638	0.00	-0.12	0.08	-0.11	90.	0.0
25	5	1967	0.0	2020	79	36.80	-172	17.56	T-3-1639	0.02	0.27	-0.03	-0.10	90.	0.0
25	5	1967	0.0	2100	79	36.80	-172	17.57	T-3-1640	-0.00	-0.08	0.14	-0.10	90.	0.0
25	5	1967	0.0	2248	79	36.72	-172	18.62	T-3-1641	-0.05	-0.05	0.17	-0.05	90.	0.0
26	5	1967	0.0	142	79	36.31	-172	20.84	T-3-1642	0.01	-0.08	0.13	-0.11	90.	0.0
26	5	1967	0.0	330	79	36.22	-172	22.08	T-3-1643	-0.04	-0.05	0.15	-0.07	90.	0.0
26	5	1967	0.0	706	79	35.82	-172	24.22	T-3-1644	-0.14	-0.13	0.09	0.02	90.	0.0
26	5	1967	0.0	1114	79	35.44	-172	25.79	T-3-1645	0.02	0.06	-0.19	-0.07	90.	0.0
26	5	1967	0.0	1414	79	35.61	-172	26.19	T-3-1647	-0.05	0.07	-0.24	0.06	90.	0.0
26	5	1967	0.0	1444	79	35.46	-172	27.26	T-3-1648	0.03	0.26	-0.04	-0.13	90.	0.0
26	5	1967	0.0	1928	79	35.11	-172	27.90	T-3-1649	0.01	0.21	-0.06	-0.14	90.	0.0
26	5	1967	0.0	2004	79	35.08	-172	27.77	T-3-1650	0.01	-0.10	0.14	-0.13	90.	0.0
26	5	1967	0.0	2154	79	35.07	-172	28.98	T-3-1651	-0.00	-0.05	0.18	-0.01	90.	0.0
26	5	1967	0.0	2302	79	34.80	-172	27.87	T-3-1652	0.01	-0.20	0.04	-0.13	90.	0.0
26	5	1967	0.0	2340	79	35.04	-172	29.57	T-3-1653	-0.10	-0.06	0.18	-0.02	90.	0.0
27	5	1967	0.0	50	79	34.65	-172	29.27	T-3-1654	0.00	-0.10	0.10	-0.12	90.	0.0
27	5	1967	0.0	314	79	34.98	-172	31.03	T-3-1655	-0.16	-0.30	0.03	-0.00	90.	0.0
27	5	1967	0.0	614	79	34.84	-172	30.15	T-3-1656	-0.15	-0.10	0.14	0.02	90.	0.0
27	5	1967	0.0	646	79	34.91	-172	29.19	T-3-1657	-0.17	0.09	-0.11	-0.01	90.	0.0

27	5	1967	0.0	802	79	34.85	-172	30.37	T-3-1658	-0.16	-0.29	0.05	0.04	90.	0.0
27	5	1967	0.0	834	79	34.87	-172	29.28	T-3-1659	-0.08	0.05	-0.17	-0.00	90.	0.0
27	5	1967	0.0	1134	79	34.96	-172	29.61	T-3-1660	-0.13	0.08	-0.08	-0.02	90.	0.0
27	5	1967	0.0	1204	79	34.76	-172	30.48	T-3-1661	0.01	0.15	-0.13	-0.11	90.	0.0
27	5	1967	0.0	1322	79	35.01	-172	29.41	T-3-1662	-0.09	0.06	-0.17	0.01	90.	0.0
27	5	1967	0.0	1506	79	35.02	-172	29.15	T-3-1663	-0.05	0.05	-0.15	-0.09	90.	0.0
27	5	1967	0.0	1624	79	35.00	-172	29.54	T-3-1664	0.05	0.08	-0.18	-0.07	90.	0.0
27	5	1967	0.0	1742	79	35.10	-172	29.53	T-3-1665	-0.03	0.05	-0.20	-0.04	90.	0.0
27	5	1967	0.0	2024	79	35.27	-172	29.99	T-3-1666	-0.02	0.26	-0.01	-0.09	90.	0.0
27	5	1967	0.0	2056	79	35.23	-172	29.54	T-3-1667	-0.04	-0.07	0.11	-0.12	90.	0.0
27	5	1967	0.0	2358	79	35.33	-172	29.50	T-3-1669	-0.00	-0.12	0.06	-0.12	90.	0.0
28	5	1967	0.0	146	79	35.54	-172	30.15	T-3-1670	0.00	-0.07	0.16	-0.12	90.	0.0
28	5	1967	0.0	234	79	35.66	-172	29.06	T-3-1672	0.02	-0.15	0.07	-0.12	90.	0.0
28	5	1967	0.0	336	79	35.74	-172	30.62	T-3-1673	-0.03	-0.04	0.19	-0.02	90.	0.0
28	5	1967	0.0	524	79	35.82	-172	30.85	T-3-1674	-0.09	-0.08	0.15	0.04	90.	0.0
28	5	1967	0.0	712	79	35.92	-172	31.24	T-3-1676	-0.12	-0.20	0.08	0.08	90.	0.0
28	5	1967	0.0	948	79	36.11	-172	31.86	T-3-1677	-0.11	-0.17	0.08	0.07	90.	0.0
28	5	1967	0.0	1232	79	36.40	-172	32.07	T-3-1678	-0.09	0.11	-0.13	0.06	90.	0.0
28	5	1967	0.0	1322	79	36.10	-172	31.37	T-3-1679	-0.13	0.24	-0.06	0.06	90.	0.0
28	5	1967	0.0	1654	79	36.75	-172	33.15	T-3-1680	-0.06	0.05	-0.19	-0.02	90.	0.0
28	5	1967	0.0	1816	79	36.80	-172	32.30	T-3-1681	0.06	-0.18	0.07	-0.10	90.	0.0
28	5	1967	0.0	1838	79	36.82	-172	33.82	T-3-1682	-0.02	0.06	-0.18	-0.12	90.	0.0
28	5	1967	0.0	1932	79	37.01	-172	34.73	T-3-1683	-0.01	0.21	-0.04	-0.14	90.	0.0
28	5	1967	0.0	2004	79	37.04	-172	33.74	T-3-1684	0.05	-0.09	0.15	-0.07	90.	0.0
28	5	1967	0.0	2024	79	37.03	-172	34.99	T-3-1685	0.01	0.12	-0.13	-0.15	90.	0.0
28	5	1967	0.0	2150	79	37.33	-172	35.06	T-3-1686	-0.03	-0.06	0.20	-0.07	90.	0.0
28	5	1967	0.0	2212	79	37.35	-172	36.08	T-3-1687	0.07	0.22	-0.07	-0.11	90.	0.0
28	5	1967	0.0	2306	79	37.30	-172	34.24	T-3-1688	0.02	-0.22	0.06	-0.16	90.	0.0
29	5	1967	0.0	54	79	37.98	-172	37.35	T-3-1690	-0.02	-0.09	0.09	-0.12	90.	0.0
29	5	1967	0.0	126	79	37.94	-172	36.90	T-3-1691	-0.12	-0.10	0.10	0.01	90.	0.0
29	5	1967	0.0	242	79	38.13	-172	37.01	T-3-1692	-0.03	-0.05	0.18	-0.10	90.	0.0
29	5	1967	0.0	332	79	38.31	-172	36.38	T-3-1693	-0.02	-0.09	0.08	-0.12	90.	0.0
29	5	1967	0.0	432	79	38.48	-172	37.54	T-3-1694	-0.07	-0.05	0.17	-0.00	90.	0.0
29	5	1967	0.0	620	79	38.76	-172	39.40	T-3-1695	-0.12	-0.11	0.12	0.04	90.	0.0
29	5	1967	0.0	806	79	39.10	-172	40.62	T-3-1696	-0.16	-0.32	0.03	0.02	90.	0.0
29	5	1967	0.0	832	79	39.18	-172	38.55	T-3-1697	-0.08	0.05	-0.19	0.01	90.	0.0
29	5	1967	0.0	858	79	39.34	-172	35.98	T-3-1698	-0.12	-0.08	0.11	0.00	90.	0.0
29	5	1967	0.0	954	79	39.66	-172	40.97	T-3-1699	-0.12	0.31	-0.03	0.03	90.	0.0
29	5	1967	0.0	1418	79	40.65	-172	40.33	T-3-1701	-0.13	0.07	-0.09	-0.02	90.	0.0
29	5	1967	0.0	1510	79	40.78	-172	39.76	T-3-1702	-0.05	0.05	-0.18	-0.10	90.	0.0
29	5	1967	0.0	1604	79	41.03	-172	39.80	T-3-1703	-0.12	0.05	-0.17	-0.04	90.	0.0
29	5	1967	0.0	1842	79	41.59	-172	42.88	T-3-1705	-0.01	0.13	-0.05	-0.11	90.	0.0
29	5	1967	0.0	1936	79	42.00	-172	41.03	T-3-1706	-0.12	0.08	-0.10	-0.13	90.	0.0
29	5	1967	0.0	2028	79	42.40	-172	41.82	T-3-1707	-0.04	0.26	-0.01	-0.08	90.	0.0
29	5	1967	0.0	2054	79	42.51	-172	40.42	T-3-1708	-0.03	-0.07	0.12	-0.11	90.	0.0
29	5	1967	0.0	2244	79	43.16	-172	41.45	T-3-1709	-0.04	-0.05	0.19	-0.01	90.	0.0
29	5	1967	0.0	2402	79	43.44	-172	41.20	T-3-1711	-0.03	-0.10	0.06	-0.12	90.	0.0
30	5	1967	0.0	32	79	43.72	-172	42.15	T-3-1712	-0.09	-0.10	0.13	0.05	90.	0.0
30	5	1967	0.0	152	79	44.09	-172	42.36	T-3-1714	0.01	-0.07	0.16	-0.09	90.	0.0
30	5	1967	0.0	218	79	44.23	-172	43.14	T-3-1715	-0.13	-0.15	0.06	0.01	90.	0.0
30	5	1967	0.0	244	79	44.02	-172	44.10	T-3-1716	0.00	-0.12	0.07	-0.12	90.	0.0
30	5	1967	0.0	340	79	44.43	-172	43.65	T-3-1717	-0.05	-0.04	0.17	-0.04	90.	0.0
30	5	1967	0.0	552	79	45.24	-172	44.81	T-3-1719	-0.15	0.19	-0.09	0.06	90.	0.0
30	5	1967	0.0	620	79	45.55	-172	43.70	T-3-1720	-0.07	-0.05	0.19	-0.07	90.	0.0
30	5	1967	0.0	716	79	45.54	-172	45.89	T-3-1721	-0.14	-0.21	0.07	0.06	90.	0.0
30	5	1967	0.0	738	79	45.66	-172	45.35	T-3-1722	-0.10	0.09	-0.15	0.05	90.	0.0
30	5	1967	0.0	958	79	46.10	-172	47.82	T-3-1723	-0.13	-0.18	0.08	0.05	90.	0.0
30	5	1967	0.0	1050	79	46.23	-172	44.98	T-3-1724	-0.13	0.18	-0.08	0.05	90.	0.0
30	5	1967	0.0	1236	79	46.74	-172	48.78	T-3-1726	-0.10	0.08	-0.15	0.03	90.	0.0
30	5	1967	0.0	1330	79	46.95	-172	49.54	T-3-1727	-0.18	0.18	-0.08	0.01	90.	0.0

30	5	1967	0.0	1850	79	47.86-172	53.15	T-3-1728 0.01 0.06-0.18-0.09	90.	0.0
30	5	1967	0.0	1930	79	48.14-172	54.35	T-3-1729-0.00 0.21-0.03-0.10	90.	0.0
30	5	1967	0.0	2034	79	48.21-172	55.57	T-3-1730 0.01 0.13-0.11-0.15	90.	0.0
30	5	1967	0.0	2146	79	48.46-172	55.91	T-3-1731-0.06-0.06 0.13-0.11	90.	0.0
30	5	1967	0.0	2336	79	48.98-172	57.39	T-3-1732-0.08-0.06 0.16-0.01	90.	0.0
31	5	1967	0.0	6	79	49.05-172	55.81	T-3-1733-0.03-0.74 0.01-0.18	90.	0.0
31	5	1967	0.0	100	79	49.08-172	58.22	T-3-1734 0.02-0.09 0.12-0.11	90.	0.0
31	5	1967	0.0	122	79	49.27-172	59.00	T-3-1735-0.15-0.11 0.11-0.00	90.	0.0
31	5	1967	0.0	156	79	49.25-172	57.99	T-3-1736 0.03-0.18 0.06-0.12	90.	0.0
31	5	1967	0.0	248	79	49.43-173	0.19	T-3-1737-0.02-0.05 0.17-0.06	90.	0.0
31	5	1967	0.0	434	79	49.76-173	1.52	T-3-1738-0.12-0.05 0.15-0.06	90.	0.0
31	5	1967	0.0	530	79	49.90-173	2.00	T-3-1739-0.06-0.05 0.15-0.12	90.	0.0
31	5	1967	0.0	622	79	50.06-173	2.99	T-3-1740-0.17-0.10 0.10-0.01	90.	0.0
31	5	1967	0.0	720	79	50.19-173	3.58	T-3-1741-0.10-0.06 0.18-0.01	90.	0.0
31	5	1967	0.0	828	79	50.31-173	4.27	T-3-1743-0.09 0.04-0.16-0.03	90.	0.0
31	5	1967	0.0	908	79	50.42-173	5.56	T-3-1744-0.13-0.09 0.09-0.00	90.	0.0
31	5	1967	0.0	956	79	50.60-173	6.39	T-3-1745-0.14 0.14-0.03-0.03	90.	0.0
31	5	1967	0.0	1242	79	50.94-173	8.08	T-3-1747-0.18 0.33-0.04 0.02	90.	0.0
31	5	1967	0.0	1330	79	51.02-173	8.93	T-3-1748-0.09 0.05-0.16-0.03	90.	0.0
31	5	1967	0.0	1428	79	51.16-173	9.77	T-3-1749-0.16 0.09-0.12-0.01	90.	0.0
31	5	1967	0.0	1516	79	51.10-173	10.32	T-3-1750-0.02 0.05-0.17-0.08	90.	0.0
31	5	1967	0.0	1614	79	51.29-173	10.97	T-3-1751-0.11 0.04-0.17-0.06	90.	0.0
31	5	1967	0.0	1702	79	51.24-173	12.48	T-3-1752 0.03 0.10-0.14-0.11	90.	0.0
31	5	1967	0.0	1946	79	51.49-173	15.24	T-3-1753 0.00 0.10-0.13-0.15	90.	0.0
31	5	1967	0.0	2132	79	51.78-173	17.27	T-3-1754-0.03 0.13-0.04-0.12	90.	0.0
31	5	1967	0.0	2320	79	51.96-173	21.81	T-3-1755 0.01 0.72-0.01-0.11	90.	0.0
1	6	1967	0.0	8	79	51.97-173	18.80	T-3-1756 0.02-0.11 0.09-0.12	90.	0.0
1	6	1967	0.0	254	79	52.27-173	21.97	T-3-1757-0.01-0.11 0.08-0.12	90.	0.0
1	6	1967	0.0	630	79	52.57-173	26.07	T-3-1759-0.09-0.05 0.17-0.08	90.	0.0
1	6	1967	0.0	820	79	52.67-173	28.12	T-3-1760-0.11-0.08 0.13 0.01	90.	0.0
1	6	1967	0.0	1008	79	52.76-173	30.75	T-3-1761-0.14-0.21 0.06 0.04	90.	0.0
1	6	1967	0.0	1612	79	52.84-173	36.20	T-3-1762 0.02 0.07-0.18-0.08	90.	0.0
1	6	1967	0.0	1900	79	53.02-173	39.32	T-3-1764 0.01 0.07-0.17-0.08	90.	0.0
1	6	1967	0.0	2046	79	53.14-173	42.06	T-3-1765 0.05 0.13-0.11-0.11	90.	0.0
1	6	1967	0.0	2316	79	53.29-173	42.85	T-3-1766-0.00-0.14 0.05-0.12	90.	0.0
1	6	1967	0.0	2334	79	53.42-173	44.12	T-3-1767-0.08-0.06 0.17 0.00	90.	0.0
2	6	1967	0.0	16	79	53.54-173	47.68	T-3-1768-0.05-0.36 0.01-0.16	90.	0.0
2	6	1967	0.0	542	79	53.67-173	49.56	T-3-1770-0.04-0.05 0.19-0.07	90.	0.0
2	6	1967	0.0	730	79	53.70-173	51.46	T-3-1772-0.12-0.06 0.17-0.02	90.	0.0
2	6	1967	0.0	826	79	53.67-173	51.90	T-3-1773-0.08 0.05-0.17-0.01	90.	0.0
2	6	1967	0.0	1002	79	53.85-173	53.67	T-3-1774-0.13 0.16-0.04-0.00	90.	0.0
2	6	1967	0.0	1252	79	54.04-173	57.36	T-3-1776-0.14 0.14-0.04-0.01	90.	0.0
2	6	1967	0.0	1334	79	54.00-173	56.38	T-3-1777-0.05 0.04-0.15-0.05	90.	0.0
2	6	1967	0.0	1438	79	54.01-173	57.17	T-3-1778-0.16 0.08-0.12-0.02	90.	0.0
2	6	1967	0.0	1624	79	54.06-173	58.32	T-3-1779-0.11 0.04-0.17-0.07	90.	0.0
2	6	1967	0.0	1706	79	53.97-174	0.31	T-3-1780 0.02 0.10-0.13-0.11	90.	0.0
2	6	1967	0.0	1810	79	53.98-174	0.27	T-3-1781-0.04 0.05-0.17-0.12	90.	0.0
2	6	1967	0.0	1958	79	53.99-174	1.81	T-3-1782 0.03 0.10-0.13-0.12	90.	0.0
3	6	1967	0.0	12	79	54.13-174	4.46	T-3-1783-0.01-0.10 0.08-0.12	90.	0.0
3	6	1967	0.0	116	79	54.27-174	5.57	T-3-1784-0.03-0.15 0.03-0.12	90.	0.0
3	6	1967	0.0	452	79	54.38-174	8.91	T-3-1785-0.05-0.06 0.11-0.12	90.	0.0
3	6	1967	0.0	540	79	54.25-174	10.44	T-3-1786-0.10-0.05 0.16-0.08	90.	0.0
3	6	1967	0.0	1244	79	54.16-174	13.43	T-3-1788-0.10 0.05-0.15-0.01	90.	0.0
3	6	1967	0.0	1352	79	54.20-174	13.86	T-3-1789-0.14 0.12-0.09 0.02	90.	0.0
3	6	1967	0.0	1430	79	54.11-174	13.91	T-3-1790-0.04 0.05-0.18-0.06	90.	0.0
3	6	1967	0.0	1946	79	54.23-174	16.92	T-3-1791-0.04 0.18-0.01-0.09	90.	0.0
3	6	1967	0.0	2320	79	54.18-174	15.00	T-3-1792-0.02-0.11 0.05-0.13	90.	0.0
4	6	1967	0.0	106	79	54.21-174	16.48	T-3-1793-0.08-0.06 0.09-0.15	90.	0.0
4	6	1967	0.0	216	79	54.36-174	17.08	T-3-1794-0.00-0.13 0.06-0.12	90.	0.0
4	6	1967	0.0	256	79	54.40-174	17.74	T-3-1795-0.06-0.04 0.19-0.09	90.	0.0

4	6	1967	0.0	404	79	54.40-174	17.59	T-3-1796-0.02-0.08	0.11-0.12	90.	0.0
4	6	1967	0.0	554	79	54.47-174	18.12	T-3-1797-0.03-0.05	0.18-0.04	90.	0.0
4	6	1967	0.0	632	79	54.42-174	18.97	T-3-1798-0.18-0.15	0.10 0.01	90.	0.0
4	6	1967	0.0	740	79	54.47-174	18.74	T-3-1799-0.13-0.06	0.15-0.03	90.	0.0
4	6	1967	0.0	928	79	54.49-174	19.08	T-3-1801-0.17-0.14	0.09 0.00	90.	0.0
4	6	1967	0.0	1152	79	54.65-174	19.04	T-3-1803-0.12	0.05-0.11-0.04	90.	0.0
4	6	1967	0.0	1304	79	54.61-174	18.64	T-3-1804-0.14	0.20-0.06 0.04	90.	0.0
5	6	1967	0.0	18	79	54.86-174	20.82	T-3-1805	0.02-0.11 0.11-0.12	90.	0.0
5	6	1967	0.0	128	79	54.93-174	20.35	T-3-1806	0.02-0.19 0.05-0.12	90.	0.0
5	6	1967	0.0	206	79	55.04-174	21.73	T-3-1807	-0.00-0.05 0.17-0.07	90.	0.0
5	6	1967	0.0	354	79	53.61-173	47.79	T-3-1769	-0.00-0.08 0.12-0.11	90.	0.0
5	6	1967	0.0	504	79	55.13-174	22.78	T-3-1808	-0.03-0.06 0.15-0.09	90.	0.0
5	6	1967	0.0	542	79	55.09-174	23.71	T-3-1809	-0.12-0.08 0.12 0.01	90.	0.0
5	6	1967	0.0	728	79	55.17-174	23.55	T-3-1810	-0.14 0.06-0.16-0.02	90.	0.0
5	6	1967	0.0	914	79	55.16-174	24.15	T-3-1811	-0.06 0.04-0.15-0.08	90.	0.0
5	6	1967	0.0	1028	79	55.28-174	25.87	T-3-1812	-0.14-0.26 0.03 0.01	90.	0.0
5	6	1967	0.0	1100	79	55.20-174	24.98	T-3-1813	0.00 0.07-0.14-0.11	90.	0.0
5	6	1967	0.0	1920	79	55.61-174	26.58	T-3-1815	0.01 0.09-0.13-0.12	90.	0.0
5	6	1967	0.0	2252	79	56.01-174	28.75	T-3-1816	-0.01 0.43-0.01-0.10	90.	0.0
6	6	1967	0.0	226	79	56.31-174	27.09	T-3-1820	-0.02-0.11 0.06-0.12	90.	0.0
6	6	1967	0.0	634	79	56.22-174	25.61	T-3-1823	-0.13 0.06-0.10-0.02	90.	0.0
6	6	1967	0.0	752	79	56.66-174	28.90	T-3-1824	-0.11-0.07 0.13-0.00	90.	0.0
6	6	1967	0.0	820	79	57.11-174	30.56	T-3-1825	-0.08 0.04-0.15-0.05	90.	0.0
6	6	1967	0.0	1006	79	56.79-174	29.22	T-3-1827	-0.02 0.05-0.17-0.08	90.	0.0
6	6	1967	0.0	1126	79	56.96-174	27.53	T-3-1828	-0.14 1.61-0.00 0.06	90.	0.0
6	6	1967	0.0	1646	79	57.28-174	27.71	T-3-1829	-0.06 0.04-0.17-0.05	90.	0.0
6	6	1967	0.0	1832	79	57.39-174	29.70	T-3-1830	-0.00 0.07-0.15-0.11	90.	0.0
7	6	1967	0.0	342	79	59.09-174	26.76	T-3-1835	-0.15 0.17-0.10 0.07	90.	0.0
7	6	1967	0.0	850	79	59.31-174	25.71	T-3-1837	-0.16-0.12 0.11 0.00	90.	0.0
7	6	1967	0.0	1410	79	59.71-174	23.69	T-3-1838	-0.16 0.07-0.11-0.03	90.	0.0
7	6	1967	0.0	1428	79	59.72-174	25.12	T-3-1839	-0.00 0.29-0.02-0.13	90.	0.0
7	6	1967	0.0	2324	79	59.71-174	22.15	T-3-1644	-0.11-0.05 0.12-0.07	90.	0.0
8	6	1967	0.0	446	79	59.87-174	17.69	T-3-1847	-0.16 0.20-0.05 0.01	90.	0.0
8	6	1967	0.0	1136	80	0.06-174	13.32	T-3-1848	-0.14 0.43-0.01 0.01	90.	0.0
8	6	1967	0.0	1324	80	0.15-174	14.01	T-3-1849	-0.14 0.12-0.08 0.01	90.	0.0
8	6	1967	0.0	2028	80	0.40-174	11.55	T-3-1851	0.01 0.13-0.07-0.12	90.	0.0
8	6	1967	0.0	2212	80	0.58-174	10.76	T-3-1852	-0.04 0.26-0.01-0.14	90.	0.0
8	6	1967	0.0	2230	80	0.48-174	9.79	T-3-1853	-0.08-0.05 0.15-0.06	90.	0.0
8	6	1967	0.0	2358	80	0.53-174	0.02	T-3-1854	-0.06-0.28 0.02-0.19	90.	0.0
9	6	1967	0.0	338	80	0.69-174	6.05	T-3-1855	0.00-0.07 0.10-0.09	90.	0.0
9	6	1967	0.0	524	80	1.07-174	2.53	T-3-1856	-0.07-0.03 0.17-0.09	90.	0.0
9	6	1967	0.0	2126	80	2.93-174	2.65	T-3-1858	0.00 0.19-0.04-0.12	90.	0.0
10	6	1967	0.0	624	80	6.13-174	1.94	T-3-1862	-0.09-0.04 0.13-0.06	90.	0.0
10	6	1967	0.0	1706	80	7.38-174	1.13	T-3-1865	-0.04 0.05-0.16-0.08	90.	0.0
10	6	1967	0.0	2224	80	8.74-174	2.67	T-3-1867	-0.02 0.33-0.01-0.10	90.	0.0
11	6	1967	0.0	158	80	9.62-174	0.47	T-3-1869	-0.04-0.10 0.06-0.13	90.	0.0
11	6	1967	0.0	534	80	10.63-174	1.13	T-3-1871	-0.09-0.05 0.15-0.10	90.	0.
11	6	1967	0.0	1242	80	12.61-174	0.60	T-3-1873	-0.14 0.13-0.07 0.01	90.	0.0
11	6	1967	0.0	1422	80	12.89-174	3.57	T-3-1874	-0.03 0.28-0.01-0.12	90.	0.0
11	6	1967	0.0	1610	80	13.34-173	58.42	T-3-1875	-0.01-0.28 0.02-0.10	90.	0.0
11	6	1967	0.0	1944	80	14.07-173	57.42	T-3-1877	-0.03-0.08 0.11-0.12	90.	0.0
11	6	1967	0.0	2132	80	14.47-173	56.93	T-3-1878	-0.06-0.05 0.14-0.09	90.	0.0
12	6	1967	0.0	106	80	14.58-173	52.91	T-3-1879	-0.16-0.11 0.08-0.03	90.	0.0
12	6	1967	0.0	626	80	14.86-173	45.51	T-3-1881	-0.13 0.05-0.10-0.04	90.	0.0
12	6	1967	0.0	958	80	15.08-173	42.49	T-3-1882	-0.01 0.05-0.15-0.10	90.	0.0
12	6	1967	0.0	1144	80	15.33-173	42.06	T-3-1883	0.02 0.11-0.11-0.13	90.	0.0
13	6	1967	0.0	532	80	17.55-173	19.37	T-3-1887	-0.14 0.07-0.08-0.01	90.	0.0
13	6	1967	0.0	718	80	20.31-173	30.00	T-3-1888	-0.10 0.04-0.14-0.04	90.	0.0
13	6	1967	0.0	1236	80	21.89-173	32.64	T-3-1890	0.05 0.17-0.08-0.13	90.	0.0
13	6	1967	0.0	1422	80	22.93-173	25.84	T-3-1891	0.09 0.70-0.03-0.17	90.	0.0

13	6 1967	0.0	2130	80	24.5[illegible]-173	29.48	T-3-1893-0.06-0.05	0.15-0.08	90.	0.0
14	6 1967	0.0	106	80	25.18-173	28.97	T-3-1895-0.13-0.14	0.08 0.02	90.	0.0
	1967	0.0	252	80	25.59-173	31.42	T-3-1897-0.10-0.67	0.00-0.05	90.	0.0
14	967	0.0	436	80	26.08-173	27.52	T-3-1899-0.17 0.12-0.06-0.02		90.	0.0
14	1967	0.0	646	80	26.37-173	26.67	T-3-1901-0.10-0.05	0.15-0.01	90.	0.0
14	6 1967	0.0	834	80	26.66-173	26.42	T-3-1902-0.14-0.12	0.09 0.02	90.	0.0
14	6 1967	0.0	954	80	26.78-173	25.74	T-3-1903-0.00 0.05-0.17-0.09		90.	0.0
14	6 1967	0.0	1142	80	27.14-173	26.28	T-3-1904 0.05 0.11-0.13-0.12		90.	0.0
14	6 1967	0.0	1208	80	27.32-173	24.63	T-3-1905-0.14 0.17-0.05	0.01	90.	0.0
14	6 1967	0.0	1354	80	27.57-173	23.70	T-3-1906-0.13 0.06-0.11-0.02		90.	0.0
14	6 1967	0.0	1540	80	27.84-173	22.81	T-3-1907-0.08 0.04-0.15-0.06		90.	0.0
14	6 1967	0.0	1848	80	28.19-173	20.20	T-3-1909 0.02-0.09 0.12-0.11		90.	0.0
14	6 1967	0.0	1914	80	28.18-173	21.35	T-3-1910 0.06 0.09-0.15-0.08		90.	0.0
15	6 1967	.0	344	80	29.48-173	13.37	T-3-1911-0.17 0.39-0.38 0.04		90.	0.0
15	6 1967	0.0	408	80	29.53-173	14.10	T-3-1912-0.04-0.05 0.13-0.11		90.	0.0
15	6 1967	0.0	900	80	30.15-173	12.12	T-3-1915-0.06 0.04-0.17-0.11		90.	0.0
15	6 1967	0.0	932	80	30.36-173	13.46	T-3-1916-0.15-0.20 0.03-0.01		90.	0.0
15	6 1967	0.0	1048	80	30.38-173	12.92	T-3-1917 0.04 0.08-0.16-0.10		90.	0.0
15	6 1967	0.0	1604	80	31.18-173	9.37	T-3-1920-0.04-0.18 0.02-0.11		90.	0.0
15	6 1967	0.0	1636	80	31.25-173	11.82	T-3-1921-0.05 0.04-0.14-0.09		90.	0.0