



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
ENVIRONMENTAL DATA AND INFORMATION SERVICE  
Washington, D.C. 20235  
Liaison Office  
P. O. Box 271  
La Jolla, California 92038

January 16, 1981

EDIS:NCR

TO: OA/781  
FROM: Nelson C. Ross, Jr.  
SUBJECT: Drifting Buoy Data

82 00026  
T.R. 1900

Forwarded are the following:

- a. 1 Magnetic tape - non labelled  
9 track, 800 bpi, ASCII, Odd Parity  
Logical record size 80  
Blocking factor 50  
One file

The tape contains drifting buoy data for NORPAX ADSI and ADS II.

- b. Cover letter describing record format
- c. Table 1, ADS I Summary
- d. Table 2, ADS II Summary
- e. Sample printout

Please provide the assigned NODC Reference Number to:

Mr. Gerald McNally  
SIO - NORPAX  
UCSD  
La Jolla, California 92093

cc: G. McNally, NORPAX  
C. Collins, NSF/IDOE



January 8, 1981

TO: Nelson Ross  
FROM: G. McNally  
RE: Drifting Buoy Data for NODC

The enclosed magnetic tape contains the raw drifting buoy data for two sets of drifting buoys deployed in the mid-latitude North Pacific as a part of the North Pacific Experiment (NORPAX).

The data consists of information transmitted from each buoy to an orbiting satellite, Nimbus 6. The Random Access System (RAMS) aboard the Nimbus 6 satellite tags each set of received data set with a buoy identification number, day of the year, G.M.T. that was data received, and latitude and longitude of the drifting buoy sending the data.

There are 16 drifting buoys in each set. The first 16 are referred to as ADS I drifters and the second 16 as ADS II drifters. The attached tables are a summary of the drifter data.

The enclosed tape containing these data sets is written as follows:

9 track, 800 bpi, ASC11, odd parity  
logical record size 80  
blocking factor 50  
no tape labels  
one file

The format for each record is:

I4, 3X, I2, 1X, F8.4, 1X, 2 (F8.3, 2X), 4 F6.1

I4 Buoy ID  
3X  
I2 Year  
1X  
F8.4 Time, day of the year and fractional part thereof  
1X  
F8.3 Latitude ( $\pm 90^\circ$ ; + North, - South)  
2X  
F8.3 Longitude (0 to  $360^\circ$ )  
2X  
F6.1 Data word 1 Battery voltage 11 volts nominal  
1X  
F6.1 Data word 2 Drogue indicator Switch one High or low  
1X  
F6.1 Data word 3 Drogue indicator Switch two High or low  
1X  
F6.1 Data word 4 Sea surface temperature  $0^\circ$  to  $25.5^\circ\text{C}$

TABLE 1

## ADS I Summary

ID	Launch Lat.	Site Long.	Time of Launch	Last Position Lat.	Long.	Time of Last Report
0115	37.00	162.00	184 02:50	34.90	159.18	323 21:06
0123	39.00	154.00	190 11:04	33.87	137.26	*207 19:28
0152	41.00	154.00	190 13:33	35.24	133.48	*220 19:16
0164	43.00	162.00	185 16:55	43.10	159.02	221 22:51
0213	39.00	162.00	184 14:42	38.23	139.57	*105 21:15
0225	37.00	158.00	187 23:34	34.36	136.58	*121 18:54
0254	41.00	158.00	187 11:05	36.30	130.27	*224 09:49
0262	43.00	154.00	191 12:04	43.12	153.90	194 23:57
0407	43.00	158.00	186 09:30	47.89	139.02	*020 07:51
0431	41.00	166.00	179 18:35	41.05	155.41	304 21:55
0440	41.00	162.00	185 03:25	41.23	129.42	*205 19:03
0476	37.00	166.00	181 13:00	35.55	136.71	*172 20:44
0701	37.00	154.00	189 21:54	38.75	138.63	*108 19:08
0737	43.00	166.00	179 01:55	40.47	159.75	233 13:05
0746	38.00	166.00	181 07:00	38.18	170.62	246 21:26
0770	39.00	158.00	187 11:05	38.59	155.08	270 22:28

\*1977

TABLE 2

## ADS II Summary

ID	Launch Lat.	Site Long.	Time of Launch		Last Position Lat. Long.		Time of Last Report	
1001	39.00	162.00	261	10:42	38.41	158.35	323	21:08
1037	39:00	166.00	258	11:05	35.78	132.43	*247	20:03
1046	45.00	154.00	270	12:22	57.85	138.27	*087	10:55
1070	43.00	166.00	257	07:00	48.22	147.92	*047	19:01
1307	41.00	166.00	257	21:21	42.82	134.48	*235	09:16
1331	41.00	154.00	269	09:51	34.63	127.74	*224	09:48
1340	39.00	158.00	265	17:55	38.52	157.74	316	20:41
1376	45.00	162.00	263	09:57	59.81	147.65	*250	07:37
1513	43.00	158.00	264	12:27	50.38	130.75	*245	17:58
1525	43.00	154.00	269	23:33	39.58	127.69	*254	20:32
1554	39.00	154.00	268	20:01	39.64	153.46	303	20:51
1562	43.00	162.00	262	15:41	56.79	135.48	*222	09:22
1615	45.00	166.00	256	19:10	59.91	141.34	*174	20:52
1623	45.00	158.00	263	23:02	45.00	149.41	323	21:09
1652	41.00	162.00	262	00:35	35.21	138.15	*222	19:42
1664	41.00	158.00	265	03:12	33.39	132.65	*262	18:28

\*1977

\*\*\*\*\*

[illegible][illegible]

~~LABEL: PRT 101 - FORM - COPIES - 1~~

~~STARTED: 12/23/80 11:28, ON: PR BY: PFD~~

115	76	184.8403	37.219	197.979	11.3	63.0	191.0	22.0
115	76	184.9875	37.250	198.029	11.3	63.0	191.0	22.1
115	76	185.5313	37.269	198.009	11.3	63.0	191.0	21.6
115	76	185.8132	37.329	198.019	11.3	63.0	191.0	21.5
115	76	185.8841	37.329	198.019	11.3	63.0	191.0	21.5
115	76	185.9576	37.327	198.024	11.3	63.0	191.0	21.5
115	76	186.4278	37.329	198.059	11.3	63.0	191.0	21.9
115	76	186.8562	37.419	198.029	11.3	63.0	191.0	21.2
115	76	186.9285	37.429	198.079	11.3	63.0	191.0	21.3
115	76	187.0056	37.419	198.089	11.3	63.0	191.0	21.2
115	76	187.5472	37.459	198.049	11.3	63.0	191.0	21.9
115	76	187.8285	37.529	198.029	11.3	63.0	191.0	21.6
115	76	187.9000	37.529	198.019	11.3	63.0	191.0	21.1
115	76	188.4437	37.579	198.049	11.3	63.0	191.0	21.7
115	76	191.4305	37.839	198.269	11.3	63.0	191.0	21.0
115	76	191.5049	37.839	198.269	11.3	63.0	191.0	20.9
115	76	191.8583	37.859	198.259	11.3	63.0	191.0	21.2
115	76	191.9326	37.869	198.299	11.3	63.0	191.0	21.3
115	76	192.0097	37.869	198.299	11.3	63.0	191.0	21.3
115	76	192.4028	37.909	198.359	11.3	63.0	191.0	21.0
115	76	192.4750	37.899	198.329	11.3	63.0	191.0	21.0
115	76	192.5500	37.909	198.289	11.3	63.0	191.0	21.0
115	76	193.3743	37.919	198.469	11.3	63.0	191.0	21.0
115	76	193.8048	37.969	198.419	11.3	63.0	191.0	21.1
115	76	193.8743	37.949	198.439	11.3	63.0	191.0	21.3
115	76	194.4180	37.969	198.439	11.3	63.0	191.0	21.0
115	76	194.4916	37.969	198.509	11.3	63.0	191.0	21.0
115	76	194.5667	37.959	198.489	11.3	63.0	191.0	21.0
115	76	194.8465	37.959	198.529	11.3	63.0	191.0	21.4
115	76	194.9944	37.959	198.549	11.3	63.0	191.0	21.5
115	76	195.3896	38.000	198.559	11.3	63.0	191.0	21.2
115	76	195.4625	39.729	190.899	11.3	63.0	191.0	21.2
115	76	195.5368	37.989	198.629	11.3	63.0	191.0	21.1
115	76	195.8187	37.959	198.659	11.3	63.0	191.0	21.2
115	76	195.8903	37.989	198.639	11.3	63.0	191.0	21.2
115	76	196.5076	37.949	198.769	11.3	63.0	191.0	21.0
115	76	196.7944	38.059	198.579	11.4	63.0	191.0	21.1
115	76	197.4785	37.929	198.849	11.3	63.0	191.0	21.0
115	76	197.5535	37.919	198.899	11.4	63.0	191.0	21.0