

WEATHER STATION 'P' CARBON DIOXIDE  
PROJECT REPORT\*

15 January, 1984

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A Summary of Nondispersive Infrared Gas Analyzer Results  
obtained with APC Analyzer Serial No. 55 at the Scripps Institution of  
Oceanography and with an URAS-2 Analyzer at the Institute of Ocean Sci-  
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## 1. Introduction

This report presents the results of a joint program between the Scripps Institution of Oceanography at La Jolla, California (SIO), and the Institute of Ocean Sciences of the Federal Canadian Marine Sciences Directorate, Sidney, British Columbia (IOS) in which the concentration of atmospheric carbon dioxide at Canadian Weather Station 'P' at 50°N and 145°W was measured between 24 May, 1969 and 21 June, 1981. A description is given of the methods used to select data from a merged set of analyses obtained jointly by the two institutions. This data set, expressed as average concentrations per flask sample, includes 1253 analyses of SIO samples and 1166 analyses of IOS samples.

The purpose of this report is to provide complete documentation of these data. The data are interpreted in an article in preparation [Keeling et al., 1984a].

Analyses, first expressed in the Scripps adjusted index concentration scale, and then converted to mole fractions, are tabulated in a single merged set. The adjusted index scale is approximately equal to the CO<sub>2</sub> mole fraction in parts per million of dry air (ppm) but is linearized to be proportional to the instrument response of Applied Physics Corporation nondispersive infrared gas analyzer, Serial No. 55 [see Keeling et al., 1976]. Flags indicate the manner in which the data have been edited. Also tabulated are differences between analyses obtained by the two laboratories on samples collected on the same day in different sizes of flasks but analyzed at the same laboratory.

With respect to the SIO data, the original gas analyzer comparisons of air with reference gas standards are stored on a magnetic tape, together with essential calibrating data. The original machine data and index values of the employed reference gases are listed in a series of Reference Gas Reports kept at the Scripps Institution of Oceanography.

Because the IOS data are corrected to be on the same calibrating scale as the SIO data (see Section 6, below), it is not deemed necessary to report here the entire body of calibrating data for the Canadian analyses.

The Canadian Government terminated the operation of Weather Station P in June of 1981. This report contains all of the carbon dioxide data obtained from inception of the joint program in 1969 until its close.

2. Merged Data Listing: Table 1.

This table lists the full set of nondispersive infrared gas analyzer data of the project in a single chronology with flags to indicate editing. Except for the SIO 5 liter flasks which were analyzed twice and the two analyses averaged, all entries refer to single flask analyses. The distinction between uncorrected and corrected adjusted index and mole fraction data is explained in sections 3, 5, and 6. The quantities listed in each column are as follows (see 1st page of Table 1 for column numbers):

Cols. 1- 6: Flask Identification Number

Cols. 9: Flask Size in Liters

Cols. 13-18: Sample Date (Year, Month, Day)

Cols. 20-23: Sample Time (Hours, Minutes)

- Cols. 26-30: Latitude
- Cols. 32-37: Longitude
- Cols. 40-42: Observer's initials (See Table 8)
- Cols. 45-50: Analysis Date (Year, Month, Day)
- Cols. 53-55: Station Codes For SIO (KEE) and IOS (WON)
- Cols. 58-60: Number of Field Data Sheet kept on file at SIO
- Cols. 63-66: Number of Analysis Sheet kept on file at SIO
- Cols. 69-74: Uncorrected CO<sub>2</sub> Adjusted Index in ppm (J)
- Cols. 77-82: Uncorrected CO<sub>2</sub> Mole Fraction in ppm (X82)
- Cols. 85-90: Corrected CO<sub>2</sub> Mole Fraction in ppm (X82, CORR)
- Col. 92: Data Flag \* : No pair of analyses within 0.40 ppm  
Data Flag # : Peremptory flag  
Data Flag & : High concentration data identified for special  
test
- Col. 94: Data Flag \* : IOS Data not used because acceptable SIO  
data exist for the same day

### 3. Conversion of Data to Mole Fractions

The adjusted index values listed in columns 69-74 of Table 1 are, by definition, proportional to the instrument response of the Scripps Applied Physics analyzer. On the basis of manometrically calibrated primary standard gas mixtures, the time dependent relationship of these adjusted index values to mole fractions in ppm has been established. Calibrating data up to November, 1982, which we call the "X82" mole fraction scale, are reported by Keeling et al. [1983].

In October and November, 1983 a still more extensive calibration took place as reported by Keeling et al. [1984b]. An essentially final

calibration curve for the period 1959-1983 was established. This we call the "X83" mole fraction scale. The new X83 scale, for the time period and concentration range of the Weather Station 'P' measurements differs by not more than 0.03 ppm from the X82 scale. The data in Table 1, columns 77-82, were obtained using the X82 scale to convert the adjust index data of columns 69-74. Because the X83 update would provide only negligible changes we have not carried out a recomputation. Keeling et al. [1983] list a FORTRAN computer program which converts adjusted index values, J, to X82, and we refer the reader to that report for explanation of how the conversion to X82 was obtained.

#### 4. Flask Comparison Cut-off Procedure

On the basis of a study of the statistical dispersion of differences between flask analyses obtained on a single day and analyzed by a single laboratory, we determined that most blunders in sampling and in analysis are eliminated by rejecting pairs of analyses which do not agree in X82 mole fraction to within 0.40 ppm. Except for a few instances, flask pairs only are available for this screening, and in this case both analyses were rejected if they failed to pass the 0.40 ppm criterion. If three or more flask samples were obtained on a given day and analyzed by a single laboratory, then all such samples agreeing within 0.40 ppm of the lowest X82 mole fraction were kept, and those of greater difference rejected. If none agreed with the lowest then, as with pairs, all were rejected.

The results of this screening can be seen in the plots shown in Figures 1 to 5. It is evident that almost all of the outlying analyses which appear to involve blunders are discovered by this screening. In

many cases the lower analyse of the same pair does not appear to involve a blunder, but we did not attempt to restore such data to the set on the grounds that the risk of accepting biased data exceeded the gain in improving the time series by including these data.

#### 5. Comparison of 2 and 5 Liter Flask Data

At both the SIO and IOS laboratories the principal sets of data were obtained from samples collected in 2 liter flasks. On two extended periods, however, 5 liter flask samples were also collected. Before 1981 these were all single samples on a given day; thereafter pairs were obtained.

At both laboratories the 5 liter flasks appear to yield lower CO<sub>2</sub> concentrations than the 2 liter flasks, especially at SIO. As shown in Table 2, (see also Figure 6), the SIO 5 liter flasks are, on average 0.28 ppm lower than the corresponding 2 liter flasks in X82 mole fraction. As shown in Table 3, (see also Figure 7) the IOS 5 liter flasks are on average 0.09 ppm lower than the corresponding 2 liter flasks. This latter difference is within the statistical error of determination, but, to be consistent with our treatment of the SIO 2 liter flask data, we have applied an adjustment of 0.09 ppm to the IOS 2 liter flask data.

Similar differences between 5 liter and 2 liter flask results have been observed in other SIO field studies. Poorer storage quality of the smaller flasks seems to be the most likely cause of these differences. Analyses of 3 liter flasks supplied by Dr. Ray Weiss and equipped with O-ring stopcocks, have been found to agree better with our 5 liter flasks, equipped with apiezon greased ground plug stopcocks, than with



our similarly equipped two liter flasks, in substantiation of this storage hypothesis. Therefore, we have made corrections to the 2 liter flasks of both the SIO and IOS sets to agree with the 5 liter flasks, according to the averages of Tables 2 and 3, respectively. These corrections have been applied to the mole fraction data listed in Table 1, columns 85-90. (Uncorrected data are listed in Table 1, columns 69-74 and 77-82.

As seen in the plots of Figures 6 and 7, in a few instances the 2 liter and 5 liter differences appear to be affected by blunders in the data. We have examined each instance separately, taking into account all of the data from both laboratories obtained on the days when these questionable differences occurred. On this basis we have rejected peremptorily (i.e. without attempting to devise an objective criterion) 9 daily averages of individual laboratory sets. These are explained in Table 4 and in section 7 below.

#### 6. Comparison of SIO and IOS data

On many, but not all, sampling days two sets of two or more flask samples were collected and separately analyzed by the SIO and IOS laboratories. The obtained average mole fractions,  $X_{82}$ , of each group of analyses are compared for the two laboratories in Table 5, and a plot shown in Figure 8. The most probable principal cause of the lower adjusted index values of the analyses obtained at IOS is the differing response of the optical systems of the analyzers at SIO and IOS when  $\text{CO}_2\text{-in-N}_2$  is substituted for  $\text{CO}_2\text{-in-air}$  in the standard gases, as was the case throughout this study. This "carrier gas effect" has been studied by Griffith [1982] and Griffith et al. [1982] who found for normal

air almost the same carrier gas shift for an URAS-2 analyzer (such as was used by IOS) and the SIO Applied Physics analyzer. They noted, however, that different URAS analyzers gave different results. Lowe et al. [1979] found that an URAS-2 used at Baring Head, New Zealand yielded adjusted index values consistently 0.9 ppm lower than the SIO APC analyzer in La Jolla. It appears from Figure 8 that the IOS analyzer varied in the difference from SIO results from nearly a negligible amount to 2 ppm.

We have accepted the likelihood that the difference was indeed variable, and we have therefore expressed it by a knots type spline fit [de Boor, 1967, p. 258] as shown plotted in Figure 8. On the basis of this fit all of the IOS data were adjusted to bring them into agreement to the SIO data with respect to this carrier gas effect. The IOS mole fraction data listed in Table 1, columns 85-90, reflect this adjustment. (The data in columns 69-74 and 77-82 do not.) Values of the spline function for every 15 days of the project are given in Table 6. A listing of the coefficients and the FORTRAN program used to generate the spline are given in Tables 7 and 8, respectively.

Since IOS data obtained on the same day as SIO data have been used to construct this spline fit, it does not contribute new information to include these data further in the determination of the time series in CO<sub>2</sub> concentration at Weather Station 'P'. Accordingly, these data are flagged (see column 59 of Table 1) and eliminated from further consideration. Data from IOS on days without SIO analyses, are retained, however. This is a considerable number, since from June, 1977 to January, 1981 IOS obtained twice weekly samples during a time when SIO

obtained only weekly samples.

7. Explanation of data preemptorily rejected.

The principal means of deciding whether a given analysis should be omitted owing to the suspicion of erroneous sampling for analysis is to require that replicate analyses agree within 0.40 ppm with the lowest analysis of the group, as discussed above. This procedure caused 310 SIO and 204 IOS analyses to be rejected (21% of the total of 2419 analyses). In addition, six SIO and 23 IOS analyses which passed this criterion were judged to be in error on the basis of comparisons between size of flasks or between laboratories, as can be discerned from figures 6-8. A few of these latter data appear questionable only when the final time series of accepted analyses is reviewed. All peremptorily rejected data will now be discussed case by case.

On the first 5 days in which IOS flask samples were collected, the air was analyzed using an URAS 1 infrared analyzer. Presumably, this analyzer had a different carrier gas correction than the URAS 2T analyzer used afterwards. Since a reliable comparison with SIO data is lacking owing to only 5 sample pairs being obtained, these data (for the period 20 August, 1973 to 21 October, 1973) were all rejected.

In two cases the 5 liter flask differences, IOS minus SIO, are anomalously negative. Inspection of 2 liter flask analyses of both laboratories for the same day indicate that the IOS 5 liter analyses are too low. Low values are unusual, but the evidence seems clear.

In seven cases the 2 liter flask differences, IOS minus SIO, appear to be divergent from the main trend shown in Figure 6. For date 750914

the IOS analysis is clearly too high with respect to data on nearby days. For dates 780423 and 781008 the SIO 2 liter pair were judged to be too high because a 5 liter flask analyzed by SIO agrees with the IOS 2 liter flask pair. Thus the SIO 2 liter flask data were rejected and the IOS 2 liter flask data accepted into the final data set as a substitute. On date 801130 it was impossible to tell which data are in error. Both pairs were therefore rejected. On dates 810322 and 810329 the IOS analyses were judged to be too high since the SIO 2 liter pairs agree closely with pairs of 5 liter flasks analyzed at SIO. The IOS flasks therefore were flagged. They would, anyway, have been rejected because of acceptable SIO flasks of the same size. On date 810502 the IOS flasks are clearly too high with respect to data on near by days.

With respect to the IOS differences between 2 and 5 liter flasks, 4 comparisons were rejected. Two of these in 1978 involve flasks flagged as already discussed. On date 771102 the 5 liter flask appear to be too high with respect to SIO flask data. Since under normal circumstances this analysis would not be accepted into the final data set because of SIO data, the peremptory flag has no affect. On date 780930 it is not possible to tell which flask is in error and no peremptory flag was imposed except in the difference file. On this day the SIO and IOS 5 liter flasks agree but are higher than the IOS 2 liter flasks. The latter are three in number and all in good agreement with each other. The SIO 2 liter flasks were rejected by the 0.40 ppm criterion. The IOS 2 liter flask data and the SIO 5 liter flask data were included in the final data set. The 5 liter IOS flask analysis was rejected because of an accepted SIO analysis on the same day, irrespective of the poor agreement of the IOS 2 versus 5 liter flask analyses.

With respect to the SIO differences between 2 and 5 liter flasks, 3 comparisons were rejected. Two of these in 1978 involved flasks flagged as already discussed. On date 810607 the 5 liter flasks were rejected because the 2 liter pair agree with the IOS 2 liter pair.

This flagging is summarized in Table 4.

8. Explanation of data flagged for a special test

In an article in preparation [Keeling et al., 1984a] the seasonal variation of atmospheric CO<sub>2</sub> at Weather Station 'P' is investigated using a curve fitting procedure in which a periodic function, with an annual period and three successive higher harmonics, is fit to each calendar year of the record after removing the long term trend from the entire record. It is found that the year to year change from maximum to minimum of the four harmonic CO<sub>2</sub> signal varies considerably. Some of this variation is associated with a substantial number of quite high concentrations near the August minimum during certain years, such as 1981. High data were therefore identified for the period from 45 days before to 45 days after the average data of the summer minimum (28 August). The criterion for identification was that they be higher than the prediction of the curve fit to the long term trend and 4 harmonics by one standard deviation of the long term curve fit (1.2086 ppm). These data are indicated by the symbol '&' in column 92 of Table 1. They are the basis for a special study by Keeling et al. [1984a].

References

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Table 1. Nondispersive infrared analyses of atmospheric carbon dioxide at Weather Station 'P'.

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET #	FIELD ANAL	J	X82	X82 CORR	FLAG CODE					
289	2	69	524	1845	50. ON	145. OW	CD	69 813	KEE	1 744	326. 95	330. 36	330. 08						
290	2	69	524	1845	50. ON	145. OW	CD	69 813	KEE	1 744	327. 11	330. 53	330. 25						
291	2	69	531	1600	50. ON	145. OW	CD	69 813	KEE	2 744	325. 55	328. 89	328. 61						
292	2	69	531	1600	50. ON	145. OW	CD	69 813	KEE	2 744	325. 71	329. 06	328. 78						
293	2	69	6 8	1600	50. ON	145. OW	CD	69 813	KEE	3 744	330. 85	334. 47	334. 19	*					
294	2	69	6 8	1600	50. ON	145. OW	CD	69 813	KEE	3 744	325. 39	328. 73	328. 45	*					
295	2	69	616	1330	50. ON	145. OW	CD	69 813	KEE	4 744	325. 55	328. 89	328. 61	*					
296	2	69	616	1330	50. ON	145. OW	CD	69 813	KEE	4 744	324. 61	327. 91	327. 63	*					
297	2	69	622	0815	50. ON	145. OW	CD	69 813	KEE	5 744	323. 99	327. 27	326. 99						
298	2	69	622	0815	50. ON	145. OW	CD	69 813	KEE	5 744	324. 31	327. 60	327. 32						
299	2	69	629	1500	50. ON	145. OW	CD	69 813	KEE	6 744	323. 06	326. 30	326. 02						
300	2	69	629	1500	50. ON	145. OW	CD	69 813	KEE	6 744	323. 21	326. 46	326. 18						
207	2	69	7 6	1440	50. ON	144. 9W	BM	6910 2	KEE	7 747	320. 26	323. 41	323. 13						
208	2	69	7 6	1440	50. ON	144. 9W	BM	6910 2	KEE	7 747	319. 95	323. 09	322. 81						
205	2	69	713	1540	50. ON	145. OW	BM	6910 2	KEE	8 747	319. 95	323. 09	322. 81	*					
206	2	69	713	1540	50. ON	145. OW	BM	6910 2	KEE	8 747	318. 70	321. 80	321. 52	*					
209	2	69	721	1455	50. ON	145. OW	BM	6910 2	KEE	9 747	317. 76	320. 83	320. 55						
210	2	69	721	1455	50. ON	145. OW	BM	6910 2	KEE	9 747	317. 46	320. 52	320. 24						
211	2	69	729	1600	50. 1N	145. OW	BM	6910 2	KEE	10 747	319. 64	322. 76	322. 48	&					
212	2	69	729	1600	50. 1N	145. OW	BM	6910 2	KEE	10 747	319. 48	322. 60	322. 32	&					
213	2	69	8 5	1610	50. ON	145. 1W	BM	6910 2	KEE	11 747	316. 20	319. 23	318. 95						
214	2	69	8 5	1610	50. ON	145. 1W	BM	6910 2	KEE	11 747	316. 52	319. 55	319. 27						
37	2	69	817	1400	50. ON	145. OW	RT	691029	KEE	12 751	314. 74	317. 73	317. 45						
38	2	69	817	1400	50. ON	145. OW	RT	691029	KEE	12 751	314. 58	317. 57	317. 29						
39	2	69	825	1430	50. ON	145. 1W	RT	691029	KEE	13 751	314. 09	317. 08	316. 80						
40	2	69	825	1430	50. ON	145. 1W	RT	691029	KEE	13 751	314. 09	317. 08	316. 80						
41	2	69	9 9	1400	50. 1N	145. 2W	RT	691029	KEE	14 751	314. 90	317. 90	317. 62	*					
42	2	69	9 9	1400	50. 1N	145. 2W	RT	691029	KEE	14 751	314. 41	317. 40	317. 12	*					
43	2	69	914	1430	49. 8N	144. 6W	RT	691029	KEE	15 751	315. 39	318. 40	318. 12						
44	2	69	914	1430	49. 8N	144. 6W	RT	691029	KEE	15 751	315. 54	318. 56	318. 28						
45	2	69	921	1400	50. ON	145. OW	RT	691029	KEE	16 751	317. 81	320. 88	320. 60						
46	2	69	921	1400	50. ON	145. OW	RT	691029	KEE	16 751	317. 65	320. 72	320. 44						
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----																			
		1	2		3		4		5		6		7		8		9		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----																			



FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE	
194	2	69	928	0130	50. 0N 144. 9W	KAG	70 120	KEE	17	756	317. 48	320. 55	320. 27	*	
195	2	6910	5	1400	49. 8N 145. 1W	KAG	70 120	KEE	18	756	318. 25	321. 34	321. 06	*	
196	2	6910	5	1400	49. 8N 145. 1W	KAG	70 120	KEE	18	756	318. 71	321. 82	321. 54	*	
197	2	691012	1300	50. 0N 144. 8W	KAG	70 120	KEE	19	756	318. 25	321. 34	321. 06			
198	2	691012	1300	50. 0N 144. 8W	KAG	70 120	KEE	19	756	318. 41	321. 51	321. 23			
199	2	691019	1230	50. 0N 145. 0W	KAG	70 126	KEE	20	759	320. 73	323. 91	323. 63	*		
200	2	691019	1230	50. 0N 145. 0W	KAG	70 126	KEE	20	759	317. 97	321. 06	320. 78	*		
201	2	691026	1230	50. 1N 144. 8W	KAG	70 126	KEE	21	759	322. 26	325. 49	325. 21			
202	2	691026	1230	50. 1N 144. 8W	KAG	70 126	KEE	21	759	321. 95	325. 18	324. 90			
204	2	6911	2	1300	49. 9N 144. 6W	KAG	70 126	KEE	22	759	321. 95	325. 18	324. 90	*	
181	2	6911	9	1545	50. 0N 145. 0W	BS	70 126	KEE	23	759	319. 50	322. 64	322. 36	*	
182	2	6911	9	1545	50. 0N 145. 0W	BS	70 126	KEE	23	759	320. 11	323. 27	322. 99	*	
183	2	691116	1545	50. 0N 145. 0W	BS	70 126	KEE	24	759	322. 26	325. 49	325. 21			
184	2	691116	1545	50. 0N 145. 0W	BS	70 126	KEE	24	759	322. 26	325. 49	325. 21			
185	2	691123	1545	50. 0N 145. 0W	BS	70 126	KEE	25	759	322. 88	326. 14	325. 86	*		
186	2	691123	1545	50. 0N 145. 0W	BS	70 126	KEE	25	759	320. 43	323. 60	323. 32	*		
187	2	691130	1545	50. 0N 145. 0W	BS	70 126	KEE	26	760	322. 88	326. 14	325. 86			
188	2	691130	1545	50. 0N 145. 0W	BS	70 126	KEE	26	760	322. 88	326. 14	325. 86			
189	2	6912	8	1230	49. 5N 137. 0W	BS	70 126	KEE	27	760	323. 65	326. 94	326. 66		
190	2	6912	8	1230	49. 5N 137. 0W	BS	70 126	KEE	27	760	323. 65	326. 94	326. 66		
191	2	6912	9	1900	48. 8N 127. 6W	BS	70 126	KEE	28	760	323. 18	326. 46	326. 18		
192	2	6912	9	1900	48. 8N 127. 6W	BS	70 126	KEE	28	760	323. 18	326. 46	326. 18		
37	2	691215	1409	50. 1N 145. 0W	BM	70 3 4	KEE	29	763	323. 93	327. 24	326. 96			
38	2	691215	1409	50. 1N 145. 0W	BM	70 3 4	KEE	29	763	323. 77	327. 07	326. 79			
39	2	691223	1318	49. 9N 144. 8W	BM	70 3 4	KEE	30	764	323. 77	327. 07	326. 79			
40	2	691223	1318	49. 9N 144. 8W	BM	70 3 4	KEE	30	764	323. 77	327. 07	326. 79			
41	2	691231	1417	50. 1N 145. 1W	BM	70 3 4	KEE	31	764	322. 25	325. 49	325. 21			
42	2	691231	1417	50. 1N 145. 1W	BM	70 3 4	KEE	31	764	322. 09	325. 32	325. 04			
43	2	70	1	5 1455	50. 1N 144. 9W	BM	70 3 4	KEE	32	764	368. 74	376. 35	376. 07	*	
44	2	70	1	5 1455	50. 1N 144. 9W	BM	70 3 4	KEE	32	764	324. 07	327. 39	327. 11	*	
45	2	70	111	1058	50. 0N 145. 1W	BM	70 3 4	KEE	33	764	322. 70	325. 95	325. 67		
46	2	70	111	1058	50. 0N 145. 1W	BM	70 3 4	KEE	33	764	322. 70	325. 95	325. 67		
289	2	70	118	1500	50. 0N 145. 0W	RB	70 5 1	KEE	34	767	323. 98	327. 30	327. 02		
290	2	70	118	1500	50. 0N 145. 0W	RB	70 5 1	KEE	34	767	324. 12	327. 45	327. 17		
291	2	70	126	1600	50. 0N 145. 0W	RB	70 5 1	KEE	35	767	324. 73	328. 09	327. 81		
292	2	70	126	1600	50. 0N 145. 0W	RB	70 5 1	KEE	35	767	324. 73	328. 09	327. 81		

FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE				
		DATE	TIME	LAT	LONG				FIELD	ANAL								
293	2	70	2	1	1530	50. ON	145. OW	RB	70	5	1	KEE	36	767	322. 47	325. 72	325. 44	*
294	2	70	2	1	1530	50. ON	145. OW	RB	70	5	1	KEE	36	767	321. 10	324. 30	324. 02	*
295	2	70	2	8	1600	50. ON	145. OW	RB	70	5	1	KEE	37	768	324. 28	327. 62	327. 34	
296	2	70	2	8	1600	50. ON	145. OW	RB	70	5	1	KEE	37	768	324. 28	327. 62	327. 34	
297	2	70	2	15	1700	50. ON	145. OW	RB	70	5	1	KEE	38	768	324. 43	327. 77	327. 49	
298	2	70	2	15	1700	50. ON	145. OW	RB	70	5	1	KEE	38	768	324. 57	327. 92	327. 64	
299	2	70	2	22	1600	50. ON	145. OW	RB	70	5	1	KEE	39	768	326. 24	329. 67	329. 39	
300	2	70	2	22	1600	50. ON	145. OW	RB	70	5	1	KEE	39	768	326. 54	329. 98	329. 70	
201	2	70	2	25	1400	50. ON	145. OW	CL	70	6	16	KEE	40	769	325. 50	328. 90	328. 62	*
202	2	70	2	25	1400	50. ON	145. OW	CL	70	6	16	KEE	40	769	324. 89	328. 26	327. 98	*
203	2	70	3	5	1400	50. ON	145. OW	CL	70	6	16	KEE	41	769	324. 59	327. 94	327. 66	
204	2	70	3	5	1400	50. ON	145. OW	CL	70	6	16	KEE	41	769	324. 89	328. 26	327. 98	
197	2	70	3	11	1745	50. ON	145. OW	CL	70	6	16	KEE	42	769	325. 19	328. 58	328. 30	
198	2	70	3	11	1745	50. ON	145. OW	CL	70	6	16	KEE	42	769	325. 19	328. 58	328. 30	
199	2	70	3	19	1400	50. ON	145. 1W	CL	70	6	16	KEE	43	769	326. 72	330. 18	329. 90	*
200	2	70	3	19	1400	50. ON	145. 1W	CL	70	6	16	KEE	43	769	326. 27	329. 71	329. 43	*
193	2	70	3	27	1335	50. 1N	145. 4W	CL	70	6	16	KEE	44	769	324. 89	328. 26	327. 98	*
194	2	70	3	27	1335	50. 1N	145. 4W	CL	70	6	16	KEE	44	769	324. 43	327. 78	327. 50	*
195	2	70	4	3	1400	50. ON	145. OW	CL	70	6	16	KEE	45	770	325. 80	329. 22	328. 94	*
196	2	70	4	3	1400	50. ON	145. OW	CL	70	6	16	KEE	45	770	326. 41	329. 86	329. 58	*
185	2	70	4	12	1600	50. ON	144. 8W	JA	70	8	3	KEE	46	771	326. 43	329. 88	329. 60	*
186	2	70	4	12	1600	50. ON	144. 8W	JA	70	8	3	KEE	46	771	325. 96	329. 39	329. 11	*
187	2	70	4	19	1600	50. ON	144. 9W	JA	70	8	3	KEE	47	772	328. 27	331. 81	331. 53	
188	2	70	4	19	1600	50. ON	144. 9W	JA	70	8	3	KEE	47	772	328. 11	331. 65	331. 37	
191	2	70	4	26	1600	50. 1N	144. 9W	JA	70	8	3	KEE	48	772	328. 41	331. 97	331. 69	
192	2	70	4	26	1600	50. 1N	144. 9W	JA	70	8	3	KEE	48	772	328. 41	331. 97	331. 69	
189	2	70	5	3	1600	48. ON	145. OW	JA	70	8	3	KEE	49	772	327. 95	331. 48	331. 20	
190	2	70	5	3	1600	48. ON	145. OW	JA	70	8	3	KEE	49	772	327. 95	331. 48	331. 20	
181	2	70	5	10	1600	50. ON	144. 8W	JA	70	8	3	KEE	50	772	328. 11	331. 65	331. 37	
182	2	70	5	10	1600	50. ON	144. 8W	JA	70	8	3	KEE	50	772	328. 11	331. 65	331. 37	
183	2	70	5	18	1600	49. 4N	136. 1W	JA	70	8	3	KEE	51	772	327. 80	331. 32	331. 04	
184	2	70	5	18	1600	49. 4N	136. 1W	JA	70	8	3	KEE	51	772	327. 80	331. 32	331. 04	
97	2	70	5	28	1415	49. 8N	145. 1W	BM	71	1	11	KEE	52	786	327. 50	331. 01	330. 73	*
98	2	70	5	28	1415	49. 8N	145. 1W	BM	71	1	11	KEE	52	786	326. 88	330. 35	330. 07	*
99	2	70	5	31	1455	50. ON	144. 9W	BM	71	1	11	KEE	53	786	326. 56	330. 02	329. 74	
100	2	70	5	31	1455	50. ON	144. 9W	BM	71	1	11	KEE	53	786	326. 40	329. 85	329. 57	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
101	2	70 6 7 1426	50. ON 145. 1W	BM	71 111	KEE	54 786	326. 40	329. 85	329. 57	
102	2	70 6 7 1426	50. ON 145. 1W	BM	71 111	KEE	54 786	326. 56	330. 02	329. 74	
103	2	70 617 1310	49. 9N 145. 0W	BM	71 111	KEE	55 786	325. 77	329. 19	328. 91	
104	2	70 617 1310	49. 9N 145. 0W	BM	71 111	KEE	55 786	326. 08	329. 52	329. 24	
105	2	70 623 1435	50. ON 145. 0W	BM	71 111	KEE	56 787	324. 82	328. 19	327. 91	
106	2	70 623 1435	50. ON 145. 0W	BM	71 111	KEE	56 787	324. 98	328. 36	328. 08	
107	2	70 628 1400	49. 9N 145. 0W	BM	71 111	KEE	57 787	322. 12	325. 38	325. 10	
108	2	70 628 1400	49. 9N 145. 0W	BM	71 111	KEE	57 787	322. 28	325. 54	325. 26	
289	2	70 7 5 1500	50. ON 145. 0W	RB	7010 2	KEE	58 777	321. 12	324. 34	324. 06	
290	2	70 7 5 1500	50. ON 145. 0W	RB	7010 2	KEE	58 777	321. 12	324. 34	324. 06	
291	2	70 712 2400	50. ON 145. 0W	RB	7010 2	KEE	59 777	322. 50	325. 77	325. 49	
292	2	70 712 2400	50. ON 145. 0W	RB	7010 2	KEE	59 777	322. 82	326. 10	325. 82	
293	2	70 719 2000	50. ON 145. 0W	RB	7010 2	KEE	60 777	319. 11	322. 26	321. 98	
294	2	70 719 2000	50. ON 145. 0W	RB	7010 2	KEE	60 777	318. 97	322. 10	321. 82	
295	2	70 726 1400	50. ON 145. 0W	RB	7010 2	KEE	61 777	316. 97	320. 04	319. 76	*
296	2	70 726 1400	50. ON 145. 0W	RB	7010 2	KEE	61 777	317. 42	320. 51	320. 23	*
297	2	70 8 2 1430	50. ON 145. 0W	RB	7010 2	KEE	62 777	317. 27	320. 36	320. 08	*
298	2	70 8 2 1430	50. ON 145. 0W	RB	7010 2	KEE	62 777	315. 12	318. 14	317. 86	*
299	2	70 8 9 1445	50. ON 145. 0W	RB	7010 2	KEE	63 778	317. 88	320. 98	320. 70	
300	2	70 8 9 1445	50. ON 145. 0W	RB	7010 2	KEE	63 778	318. 04	321. 15	320. 87	
57	2	70 811 1340	50. ON 144. 9W	H	701215	KEE	64 781	315. 34	318. 36	318. 08	
58	2	70 811 1340	50. ON 144. 9W	H	701215	KEE	64 781	315. 18	318. 20	317. 92	
59	2	70 818 1250	50. ON 144. 9W	H	701215	KEE	65 781	316. 13	319. 18	318. 90	
60	2	70 818 1250	50. ON 144. 9W	H	701215	KEE	65 781	316. 13	319. 18	318. 90	
53	2	70 825 1250	50. ON 145. 1W	H	701215	KEE	66 781	317. 23	320. 31	320. 03	
54	2	70 825 1250	50. ON 145. 1W	H	701215	KEE	66 781	317. 23	320. 31	320. 03	
55	2	70 9 1 1255	50. 1N 144. 9W	H	701215	KEE	67 781	319. 74	322. 90	322. 62	&
56	2	70 9 1 1255	50. 1N 144. 9W	H	701215	KEE	67 781	319. 74	322. 90	322. 62	&
49	2	70 9 8 1255	50. ON 145. 0W	H	701215	KEE	68 781	316. 91	319. 98	319. 70	*
50	2	70 9 8 1255	50. ON 145. 0W	H	701215	KEE	68 781	316. 29	319. 34	319. 06	*
51	2	70 915 1230	50. ON 144. 9W	H	701215	KEE	69 782	316. 91	319. 98	319. 70	
52	2	70 915 1230	50. ON 144. 9W	H	701215	KEE	69 782	316. 91	319. 98	319. 70	
181	2	70 927 1700	50. ON 145. 0W	CP	71 111	KEE	70 787	318. 49	321. 61	321. 33	
182	2	70 927 1700	50. ON 145. 0W	CP	71 111	KEE	70 787	318. 49	321. 61	321. 33	
183	2	7010 4 1400	50. ON 145. 0W	CP	71 111	KEE	71 787	320. 08	323. 25	322. 97	
184	2	7010 4 1400	50. ON 145. 0W	CP	71 111	KEE	71 787	320. 08	323. 25	322. 97	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
289	2	7111 7 1100	50. ON 145. 0W	DH	72 330	KEE	128 857	324. 04	327. 38	327. 10	
291	2	7111 7 1100	50. ON 145. 0W	DH	72 330	KEE	128 857	324. 04	327. 38	327. 10	
293	2	711114 1200	50. ON 145. 0W	DH	72 330	KEE	129 857	325. 17	328. 57	328. 29	
294	2	711114 1200	50. ON 145. 0W	DH	72 330	KEE	129 857	325. 00	328. 39	328. 11	
295	2	711121 1200	50. ON 145. 0W	DH	72 330	KEE	130 857	324. 21	327. 56	327. 28	
296	2	711121 1200	50. ON 145. 0W	DH	72 330	KEE	130 857	324. 04	327. 38	327. 10	
297	2	711128 1200	50. ON 145. 0W	DH	72 330	KEE	131 858	324. 41	327. 78	327. 50	
298	2	711128 1200	50. ON 145. 0W	DH	72 330	KEE	131 858	324. 41	327. 78	327. 50	
299	2	7112 5 2000	50. ON 145. 0W	DH	72 330	KEE	132 858	325. 02	328. 42	328. 14	
300	2	7112 5 2000	50. ON 145. 0W	DH	72 330	KEE	132 858	325. 02	328. 42	328. 14	
301	2	711212 1600	50. ON 145. 0W	FWG	72 330	KEE	133 858	322. 84	326. 13	325. 85	
302	2	711212 1600	50. ON 145. 0W	FWG	72 330	KEE	133 858	322. 67	325. 96	325. 68	
304	2	711219 1430	50. 1N 145. 1W	FWG	72 330	KEE	134 858	326. 50	329. 97	329. 69	*
305	2	711226 1450	50. ON 145. 1W	FWG	72 330	KEE	135 858	324. 94	328. 33	328. 05	
306	2	711226 1450	50. ON 145. 1W	FWG	72 330	KEE	135 858	325. 02	328. 42	328. 14	
307	2	72 1 2 1430	50. ON 144. 8W	FWG	72 330	KEE	136 858	323. 89	327. 23	326. 95	
308	2	72 1 2 1430	50. ON 144. 8W	FWG	72 330	KEE	136 858	324. 06	327. 41	327. 13	
309	2	72 1 9 1445	50. ON 145. 3W	FWG	72 330	KEE	137 858	326. 68	330. 16	329. 88	*
311	2	72 1 9 1445	50. ON 145. 3W	FWG	72 330	KEE	137 858	327. 46	330. 98	330. 70	*
253	2	72 227 1400	50. ON 145. 0W	PV	72 518	KEE	138 875	327. 12	330. 62	330. 34	
254	2	72 227 1400	50. ON 145. 0W	PV	72 518	KEE	138 875	326. 85	330. 34	330. 06	
255	2	72 3 5 1400	50. 2N 145. 3W	PV	72 518	KEE	139 875	327. 39	330. 90	330. 62	
256	2	72 3 5 1400	50. 2N 145. 3W	PV	72 518	KEE	139 875	327. 39	330. 90	330. 62	
257	2	72 312 1405	50. ON 145. 0W	PV	72 518	KEE	140 875	327. 47	330. 99	330. 71	*
258	2	72 312 1405	50. ON 145. 0W	PV	72 518	KEE	140 875	327. 91	331. 46	331. 18	*
259	2	72 319 1400	50. ON 145. 3W	PV	72 518	KEE	141 875	328. 27	331. 83	331. 55	*
260	2	72 319 1400	50. ON 145. 3W	PV	72 518	KEE	141 875	327. 74	331. 28	331. 00	*
261	2	72 326 1400	50. ON 145. 0W	PV	72 518	KEE	142 875	327. 39	330. 90	330. 62	
262	2	72 326 1400	50. ON 145. 0W	PV	72 518	KEE	142 875	327. 39	330. 90	330. 62	
263	2	72 4 2 1400	50. ON 144. 6W	PV	72 518	KEE	143 875	328. 27	331. 83	331. 55	
264	2	72 4 2 1400	50. ON 144. 6W	PV	72 518	KEE	143 875	328. 45	332. 02	331. 74	
13	2	72 411 1500	50. ON 144. 9W	WH	72 728	KEE	144 881	327. 55	331. 07	330. 79	
14	2	72 411 1500	50. ON 144. 9W	WH	72 728	KEE	144 881	327. 45	330. 97	330. 69	
15	2	72 417 1500	49. 9N 145. 3W	WH	72 728	KEE	145 881	329. 13	332. 75	332. 47	
16	2	72 417 1500	49. 9N 145. 3W	WH	72 728	KEE	145 881	329. 33	332. 95	332. 67	
17	2	72 424 1500	49. 8N 144. 6W	WH	72 728	KEE	146 881	329. 33	332. 95	332. 67	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
109	2	71 7 4	1410	50.0N	145.1W	BM	72 329	KEE	110	855	320.30	323.48	323.20	*
110	2	71 7 4	1410	50.0N	145.1W	BM	72 329	KEE	110	855	321.36	324.58	324.30	*
111	2	71 713	1403	50.0N	145.0W	BM	72 329	KEE	111	855	322.60	325.88	325.60	
112	2	71 713	1403	50.0N	145.0W	BM	72 329	KEE	111	855	322.78	326.07	325.79	
113	2	71 721	1235	50.1N	145.0W	BM	72 329	KEE	112	855	320.30	323.48	323.20	*
114	2	71 721	1235	50.1N	145.0W	BM	72 329	KEE	112	855	319.58	322.74	322.46	*
115	2	71 726	1403	50.0N	145.0W	BM	72 329	KEE	113	855	322.06	325.32	325.04	&
116	2	71 726	1403	50.0N	145.0W	BM	72 329	KEE	113	855	321.98	325.23	324.95	&
117	2	71 8 1	1410	50.0N	145.0W	BM	72 329	KEE	114	855	322.60	325.88	325.60	&
118	2	71 8 1	1410	50.0N	145.0W	BM	72 329	KEE	114	855	322.51	325.79	325.51	&
119	2	71 8 8	1404	49.9N	144.8W	BM	72 329	KEE	115	855	318.69	321.82	321.54	*
120	2	71 8 8	1404	49.9N	144.8W	BM	72 329	KEE	115	855	317.98	321.08	320.80	*
49	2	71 815	1505	50.0N	145.0W	RB	72 329	KEE	116	855	321.14	324.36	324.08	&
50	2	71 815	1505	50.0N	145.0W	RB	72 329	KEE	116	855	321.05	324.27	323.99	&
51	2	71 822	1500	50.0N	145.0W	RB	72 329	KEE	117	856	314.53	317.54	317.26	
52	2	71 822	1500	50.0N	145.0W	RB	72 329	KEE	117	856	314.63	317.64	317.36	
53	2	71 829	1500	50.0N	145.0W	RB	72 329	KEE	118	856	313.65	316.64	316.36	
54	2	71 829	1500	50.0N	145.0W	RB	72 329	KEE	118	856	313.74	316.72	316.44	
55	2	71 9 5	1500	50.0N	145.0W	RB	72 329	KEE	119	856	314.98	318.00	317.72	*
56	2	71 9 5	1500	50.0N	145.0W	RB	72 329	KEE	119	856	314.53	317.54	317.26	*
57	2	71 912	1500	50.0N	145.0W	RB	72 329	KEE	120	856	316.74	319.80	319.52	*
58	2	71 912	1500	50.0N	145.0W	RB	72 329	KEE	120	856	316.21	319.26	318.98	*
59	2	71 919	1500	50.0N	142.7W	RB	72 329	KEE	121	856	317.53	320.62	320.34	
60	2	71 919	1500	50.0N	142.7W	RB	72 329	KEE	121	856	317.62	320.71	320.43	
97	2	71 927	1400	50.0N	145.0W	WH	72 330	KEE	122	857	318.49	321.61	321.33	
98	2	71 927	1400	50.0N	145.0W	WH	72 330	KEE	122	857	318.41	321.53	321.25	
99	2	7110 4	1400	50.0N	145.3W	WH	72 330	KEE	123	857	320.16	323.34	323.06	
100	2	7110 4	1400	50.0N	145.3W	WH	72 330	KEE	123	857	319.91	323.08	322.80	
101	2	711011	1400	50.0N	145.1W	WH	72 330	KEE	124	857	319.55	322.71	322.43	
102	2	711011	1400	50.0N	145.1W	WH	72 330	KEE	124	857	319.55	322.71	322.43	
103	2	711018	1400	50.0N	144.9W	WH	72 330	KEE	125	857	322.54	325.82	325.54	
104	2	711018	1400	50.0N	144.9W	WH	72 330	KEE	125	857	322.45	325.73	325.45	
105	2	711025	1400	49.9N	145.1W	WH	72 330	KEE	126	857	322.37	325.64	325.36	
106	2	711025	1400	49.9N	145.1W	WH	72 330	KEE	126	857	322.45	325.73	325.45	
107	2	7111 1	1400	50.1N	145.3W	WH	72 330	KEE	127	857	322.81	326.10	325.82	
108	2	7111 1	1400	50.1N	145.3W	WH	72 330	KEE	127	857	322.81	326.10	325.82	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE		
58	2	71	214	1403	49.9N	145.1W	BM	71	624	KEE	90	835	325.54	328.67		
59	2	71	220	1400	50.0N	145.9W	WH	71	624	KEE	91	835	325.54	328.67		
60	2	71	220	1400	50.0N	145.9W	WH	71	624	KEE	91	835	325.37	328.49		
97	2	71	228	1430	50.0N	145.0W	CD	71	624	KEE	92	835	325.54	328.67		
98	2	71	228	1430	50.0N	145.0W	CD	71	624	KEE	92	835	325.54	328.67		
99	2	71	3	7	1315	50.0N	145.0W	CD	71	624	KEE	93	835	325.87	329.01 *	
101	2	71	314	1400	50.0N	145.0W	CD	71	624	KEE	94	835	326.04	329.19		
102	2	71	314	1400	50.0N	145.0W	CD	71	624	KEE	94	835	326.04	329.19		
103	2	71	321	1445	50.0N	145.0W	CD	71	624	KEE	95	835	326.55	329.73		
104	2	71	321	1445	50.0N	145.0W	CD	71	624	KEE	95	835	326.55	329.73		
105	2	71	328	1445	50.0N	145.0W	CD	71	624	KEE	96	835	327.22	330.44		
106	2	71	328	1445	50.0N	145.0W	CD	71	624	KEE	96	835	327.22	330.44		
107	2	71	4	4	1400	50.0N	145.0W	CD	71	624	KEE	97	835	327.90	331.16	
108	2	71	4	4	1400	50.0N	145.0W	CD	71	624	KEE	97	835	327.73	330.98	
289	2	71	412	0200	49.9N	144.7W	WH	71	625	KEE	98	837	327.22	330.44		
290	2	71	412	0200	49.9N	144.7W	WH	71	625	KEE	98	837	327.39	330.62		
291	2	71	419	1400	50.0N	144.9W	WH	71	625	KEE	99	837	328.23	331.50		
292	2	71	419	1400	50.0N	144.9W	WH	71	625	KEE	99	837	328.23	331.50		
293	2	71	426	1400	50.0N	145.0W	WH	71	625	KEE	100	837	327.39	330.62		
294	2	71	426	1400	50.0N	145.0W	WH	71	625	KEE	100	837	327.39	330.62		
295	2	71	5	4	1400	50.1N	145.1W	WH	71	625	KEE	101	837	328.07	331.34	
296	2	71	5	4	1400	50.1N	145.1W	WH	71	625	KEE	101	837	327.90	331.16	
297	2	71	510	1400	50.2N	144.9W	WH	71	625	KEE	102	837	327.90	331.16		
298	2	71	510	1400	50.2N	144.9W	WH	71	625	KEE	102	837	327.90	331.16		
299	2	71	517	1400	50.0N	145.1W	WH	71	625	KEE	103	837	327.56	330.80		
300	2	71	517	1400	50.0N	145.1W	WH	71	625	KEE	103	837	327.39	330.62		
301	2	71	523	1430	49.9N	144.9W	PV	71	8	9	KEE	104	842	328.51	331.80 *	
302	2	71	523	1430	49.9N	144.9W	PV	71	8	9	KEE	104	842	328.00	331.26 *	
303	2	71	530	1400	50.0N	145.0W	PV	71	8	9	KEE	105	842	328.51	331.80	
304	2	71	530	1400	50.0N	145.0W	PV	71	8	9	KEE	105	842	328.85	332.16	
305	2	71	6	7	1350	50.0N	145.0W	PV	71	8	9	KEE	106	842	326.46	329.64
306	2	71	6	7	1350	50.0N	145.0W	PV	71	8	9	KEE	106	842	326.12	329.28
307	2	71	613	1240	50.0N	145.1W	PV	71	8	9	KEE	107	842	327.14	330.36	
308	2	71	613	1240	50.0N	145.1W	PV	71	8	9	KEE	107	842	326.80	330.00	
309	2	71	620	1400	50.0N	145.3W	PV	71	8	9	KEE	108	842	325.10	328.21 *	
312	2	71	627	1200	49.9N	144.2W	PV	71	8	9	KEE	109	842	324.41	327.49 *	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
185	2	701011 1500	50. ON 145. OW	CP	71 111	KEE	72 787	320. 71	323. 91	323. 63	
186	2	701011 1500	50. ON 145. OW	CP	71 111	KEE	72 787	320. 71	323. 91	323. 63	
189	2	701019 1500	50. ON 145. OW	CP	71 111	KEE	73 787	321. 03	324. 24	323. 96	
190	2	701019 1500	50. ON 145. OW	CP	71 111	KEE	73 787	321. 33	324. 56	324. 28	
191	2	701026 1500	50. ON 145. OW	CP	71 111	KEE	74 787	323. 23	326. 54	326. 26	
192	2	701026 1500	50. ON 145. OW	CP	71 111	KEE	74 787	323. 23	326. 54	326. 26	
187	2	7011 1 1730	50. ON 145. OW	CP	71 111	KEE	75 787	322. 60	325. 87	325. 59	
188	2	7011 1 1730	50. ON 145. OW	CP	71 111	KEE	75 787	322. 60	325. 87	325. 59	
289	2	7011 8 1300	50. ON 145. 1W	KAQ	71 212	KEE	76 790	322. 89	326. 18	325. 90	
290	2	7011 8 1300	50. ON 145. 1W	KAQ	71 212	KEE	76 790	322. 57	325. 85	325. 57	
291	2	701115 1400	50. ON 145. OW	KAQ	71 212	KEE	77 790	323. 84	327. 17	326. 89	
292	2	701115 1400	50. ON 145. OW	KAQ	71 212	KEE	77 790	323. 53	326. 84	326. 56	
293	2	701122 1400	49. 8N 145. 3W	KAQ	71 212	KEE	78 790	326. 35	329. 80	329. 52	*
295	2	701122 1400	49. 8N 145. 3W	KAQ	71 212	KEE	78 790	324. 78	328. 15	327. 87	*
297	2	701130 1400	50. 3N 145. 8W	KAQ	71 212	KEE	79 790	325. 41	328. 82	328. 54	*
298	2	701130 1400	50. 3N 145. 8W	KAQ	71 212	KEE	79 790	324. 78	328. 15	327. 87	*
299	2	7012 7 1400	50. 3N 144. 7W	KAQ	71 212	KEE	80 791	323. 68	327. 01	326. 73	*
300	2	7012 7 1400	50. 3N 144. 7W	KAQ	71 212	KEE	80 791	324. 16	327. 50	327. 22	*
301	2	701214 1200	50. ON 145. OW	DH	71 330	KEE	81 804	324. 83	328. 20	327. 92	*
302	2	701214 1200	50. ON 145. OW	DH	71 330	KEE	81 804	323. 88	327. 21	326. 93	*
303	2	701221 1200	50. ON 145. OW	DH	71 330	KEE	82 804	323. 72	327. 05	326. 77	
304	2	701221 1200	50. ON 145. OW	DH	71 330	KEE	82 804	323. 56	326. 88	326. 60	
305	2	701228 1200	50. ON 145. OW	DH	71 330	KEE	83 804	325. 77	329. 19	328. 91	
306	2	701228 1200	50. ON 145. OW	DH	71 330	KEE	83 804	325. 77	329. 19	328. 91	
307	2	71 1 4 1200	50. ON 145. OW	DH	71 330	KEE	84 804	325. 77	329. 19	328. 91	
308	2	71 1 4 1200	50. ON 145. OW	DH	71 330	KEE	84 804	325. 61	329. 02	328. 74	
309	2	71 110 1200	50. ON 145. OW	DH	71 330	KEE	85 804	325. 46	328. 87	328. 59	
310	2	71 110 1200	50. ON 145. OW	DH	71 330	KEE	85 804	325. 15	328. 54	328. 26	
49	2	71 117 1345	50. ON 145. 2W	BM	71 624	KEE	86 834	325. 02	328. 41	328. 13	
50	2	71 117 1345	50. ON 145. 2W	BM	71 624	KEE	86 834	325. 02	328. 41	328. 13	
51	2	71 124 1330	50. 1N 145. OW	WH	71 624	KEE	87 834	324. 85	328. 23	327. 95	
52	2	71 124 1330	50. 1N 145. OW	WH	71 624	KEE	87 834	324. 68	328. 05	327. 77	
53	2	71 131 1355	49. 8N 145. 1W	WH	71 624	KEE	88 834	326. 04	329. 47	329. 19	
54	2	71 131 1355	49. 8N 145. 1W	WH	71 624	KEE	88 834	326. 04	329. 47	329. 19	
56	2	71 2 8 1400	49. 8N 145. OW	BM	71 624	KEE	89 834	325. 02	328. 41	328. 13	*
57	2	71 214 1403	49. 9N 145. 1W	BM	71 624	KEE	90 835	325. 37	328. 77	328. 49	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
18	2	72 424 1500	49. 8N 144. 6W	WH	72 728	KEE	146 881	329. 33	332. 95	332. 67	
19	2	72 5 1 1500	50. 0N 145. 2W	WH	72 728	KEE	147 881	329. 52	333. 16	332. 88	
20	2	72 5 1 1500	50. 0N 145. 2W	WH	72 728	KEE	147 881	329. 33	332. 95	332. 67	
21	2	72 5 8 1400	50. 0N 144. 9W	WH	72 728	KEE	148 881	328. 53	332. 12	331. 84	
22	2	72 5 8 1400	50. 0N 144. 9W	WH	72 728	KEE	148 881	328. 24	331. 81	331. 53	
23	2	72 514 1145	50. 0N 145. 0W	WH	72 728	KEE	149 881	329. 62	333. 26	332. 98	
24	2	72 514 1145	50. 0N 145. 0W	WH	72 728	KEE	149 881	329. 72	333. 37	333. 09	
85	2	72 521 1400	50. 0N 145. 0W	RB	72 728	KEE	150 882	330. 13	333. 81	333. 53	
86	2	72 521 1400	50. 0N 145. 0W	RB	72 728	KEE	150 882	329. 83	333. 48	333. 20	
87	2	72 528 1400	50. 0N 145. 0W	RB	72 728	KEE	151 882	329. 14	332. 76	332. 48	
88	2	72 528 1400	50. 0N 145. 0W	RB	72 728	KEE	151 882	328. 95	332. 55	332. 27	
89	2	72 6 4 1400	50. 0N 145. 0W	RB	72 728	KEE	152 882	328. 45	332. 03	331. 75	
90	2	72 6 4 1400	50. 0N 145. 0W	RB	72 728	KEE	152 882	328. 45	332. 03	331. 75	
91	2	72 611 1400	50. 0N 145. 0W	RB	72 728	KEE	153 882	326. 78	330. 26	329. 98	
92	2	72 611 1400	50. 0N 145. 0W	RB	72 728	KEE	153 882	326. 78	330. 26	329. 98	
93	2	72 618 1400	50. 0N 145. 0W	RB	72 728	KEE	154 882	325. 29	328. 70	328. 42	
94	2	72 618 1400	50. 0N 145. 0W	RB	72 728	KEE	154 882	325. 39	328. 80	328. 52	
95	2	72 625 1400	49. 9N 143. 8W	RB	72 728	KEE	155 882	325. 39	328. 80	328. 52	
96	2	72 625 1400	49. 9N 143. 8W	RB	72 728	KEE	155 882	325. 29	328. 70	328. 42	
301	2	72 7 2 1500	50. 0N 145. 0W	CD	73 1 9	KEE	156 920	325. 26	328. 70	328. 42	
302	2	72 7 2 1500	50. 0N 145. 0W	CD	73 1 9	KEE	156 920	325. 16	328. 60	328. 32	
303	2	72 7 9 1300	50. 0N 145. 0W	CD	73 1 9	KEE	157 920	323. 85	327. 23	326. 95	
304	2	72 7 9 1300	50. 0N 145. 0W	CD	73 1 9	KEE	157 920	324. 15	327. 54	327. 26	
305	2	72 716 1200	50. 0N 145. 0W	CD	73 1 9	KEE	158 920	322. 14	325. 44	325. 16	
306	2	72 716 1200	50. 0N 145. 0W	CD	73 1 9	KEE	158 920	322. 23	325. 54	325. 26	
307	2	72 723 1200	50. 0N 145. 0W	CD	73 1 9	KEE	159 920	321. 03	324. 29	324. 01	
308	2	72 723 1200	50. 0N 145. 0W	CD	73 1 9	KEE	159 920	320. 93	324. 18	323. 90	
309	2	72 730 1400	50. 0N 145. 0W	CD	73 1 9	KEE	160 920	322. 84	326. 18	325. 90	&
310	2	72 730 1400	50. 0N 145. 0W	CD	73 1 9	KEE	160 920	322. 75	326. 08	325. 80	&
311	2	72 8 6 1200	50. 0N 145. 0W	CD	73 1 9	KEE	161 920	322. 44	325. 76	325. 48	&
312	2	72 8 6 1200	50. 0N 145. 0W	CD	73 1 9	KEE	161 920	322. 44	325. 76	325. 48	&
289	2	72 813 1400	50. 0N 144. 9W	CJ	73 1 9	KEE	162 921	321. 03	324. 29	324. 01	*
290	2	72 813 1400	50. 0N 144. 9W	CJ	73 1 9	KEE	162 921	320. 43	323. 67	323. 39	*
291	2	72 820 1400	50. 0N 145. 0W	CJ	73 1 9	KEE	163 921	317. 51	320. 64	320. 36	
292	2	72 820 1400	50. 0N 145. 0W	CJ	73 1 9	KEE	163 921	317. 80	320. 94	320. 66	
293	2	72 827 1400	49. 8N 145. 2W	CJ	73 1 9	KEE	164 921	315. 69	318. 77	318. 49	



FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL		LAB	SHEET #		J	X82	X82	FLAG		
		DATE	TIME	LAT	LONG		DATE	DATE		FIELD	ANAL					CORR	CODE
294	2	72	827	1400	49. 8N	145. 2W	CJ	73	1	9	KEE	164	921	315. 69	318. 77	318. 49	
295	2	72	9	3	1400	50. 1N	144. 9W	CJ	73	1	9	KEE	165	921	316. 80	319. 91	319. 63
296	2	72	9	3	1400	50. 1N	144. 9W	CJ	73	1	9	KEE	165	921	316. 59	319. 70	319. 42
297	2	72	910	1400	50. 0N	145. 0W	CJ	73	1	9	KEE	166	921	317. 60	320. 74	320. 46	
298	2	72	910	1400	50. 0N	145. 0W	CJ	73	1	9	KEE	166	921	317. 91	321. 06	320. 78	
97	2	72	924	1200	50. 0N	145. 0W	CD	73	1	9	KEE	167	921	319. 52	322. 72	322. 44	
98	2	72	924	1200	50. 0N	145. 0W	CD	73	1	9	KEE	167	921	319. 52	322. 72	322. 44	
99	2	7210	1	1200	50. 0N	145. 0W	CD	73	1	9	KEE	168	921	321. 12	324. 39	324. 11	
100	2	7210	1	1200	50. 0N	145. 0W	CD	73	1	9	KEE	168	921	320. 82	324. 07	323. 79	
101	2	7210	8	1200	50. 0N	145. 0W	CD	73	1	9	KEE	169	921	322. 04	325. 34	325. 06	
102	2	7210	8	1200	50. 0N	145. 0W	CD	73	1	9	KEE	169	921	321. 93	325. 22	324. 94	
103	2	721017	1200	50. 0N	145. 0W	CD	73	1	9	KEE	170	922	323. 04	326. 38	326. 10		
104	2	721017	1200	50. 0N	145. 0W	CD	73	1	9	KEE	170	922	323. 04	326. 38	326. 10		
105	2	721023	1200	50. 0N	145. 0W	CD	73	1	9	KEE	171	922	322. 73	326. 06	325. 78		
106	2	721023	1200	50. 0N	145. 0W	CD	73	1	9	KEE	171	922	322. 54	325. 86	325. 58		
107	2	721028	1200	50. 0N	145. 0W	CD	73	1	9	KEE	172	922	323. 54	326. 90	326. 62		
108	2	721028	1200	50. 0N	145. 0W	CD	73	1	9	KEE	172	922	323. 54	326. 90	326. 62		
49	2	721211	1500	50. 0N	144. 9W	WH	73	312	KEE	173	926	324. 71	328. 15	327. 87			
50	2	721211	1500	50. 0N	144. 9W	WH	73	312	KEE	173	926	324. 71	328. 15	327. 87			
51	2	721218	1500	50. 0N	144. 9W	WH	73	312	KEE	174	926	327. 52	331. 10	330. 82			
52	2	721218	1500	50. 0N	144. 9W	WH	73	312	KEE	174	926	327. 42	331. 00	330. 72			
53	2	721224	1030	50. 0N	144. 9W	WH	73	312	KEE	175	926	326. 91	330. 46	330. 18			
54	2	721224	1030	50. 0N	144. 9W	WH	73	312	KEE	175	926	326. 72	330. 26	329. 98			
55	2	73	1	1	1500	49. 7N	144. 9W	WH	73	312	KEE	176	926	327. 32	330. 88	330. 60	
56	2	73	1	1	1500	49. 7N	144. 9W	WH	73	312	KEE	176	926	327. 22	330. 78	330. 50	
57	2	73	1	7	1000	49. 9N	144. 9W	WH	73	312	KEE	177	927	326. 72	330. 26	329. 98	
58	2	73	1	7	1000	49. 9N	144. 9W	WH	73	312	KEE	177	927	326. 51	330. 04	329. 76	
109	2	73	115	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	178	933	327. 12	330. 69	330. 41	
110	2	73	115	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	178	933	327. 12	330. 69	330. 41	
111	2	73	122	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	179	933	326. 11	329. 62	329. 34	
112	2	73	122	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	179	933	326. 01	329. 52	329. 24	
113	2	73	2	5	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	180	934	329. 83	333. 54	333. 26
114	2	73	2	5	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	180	934	329. 73	333. 44	333. 16
115	2	73	212	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	181	934	327. 72	331. 32	331. 04	
116	2	73	212	1400	50. 0N	145. 0W	CJ	73	4	4	KEE	181	934	327. 92	331. 53	331. 25	
117	2	73	219	1400	50. 0N	144. 2W	CJ	73	4	4	KEE	182	934	328. 33	331. 96	331. 68	

FLASK NO.	VOL.	SAMPLE DATE TIME		POSITION LAT LONG		OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL		J	X82	X82 CORR	FLAG CODE		
118	2	73	219	1400	50. ON	144. 2W	CJ	73	4	4	KEE	182	934	328. 12	331. 74	331. 46
173	2	73	225	1615	50. ON	145. 0W	FWG	73	430		KEE	183	940	328. 45	332. 09	331. 81
174	2	73	225	1615	50. ON	145. 0W	FWG	73	430		KEE	183	940	328. 45	332. 09	331. 81
175	2	73	3	4	1615	50. ON	144. 9W	FWG	73	430	KEE	184	940	328. 45	332. 09	331. 81
176	2	73	3	4	1615	50. ON	144. 9W	FWG	73	430	KEE	184	940	328. 35	331. 99	331. 71
177	2	73	311	1700	50. ON	145. 0W	FWG	73	430		KEE	185	940	328. 95	332. 62	332. 34
178	2	73	311	1700	50. ON	145. 0W	FWG	73	430		KEE	185	940	328. 64	332. 30	332. 02
179	2	73	318	1615	49. 8N	145. 0W	FWG	73	430		KEE	186	940	329. 64	333. 35	333. 07
180	2	73	318	1615	49. 8N	145. 0W	FWG	73	430		KEE	186	940	329. 64	333. 35	333. 07
169	2	73	325	1615	50. ON	144. 7W	FWG	73	430		KEE	187	940	328. 95	332. 62	332. 34
170	2	73	325	1615	50. ON	144. 7W	FWG	73	430		KEE	187	940	328. 95	332. 62	332. 34
171	2	73	4	1	1615	49. 9N	143. 8W	FWG	73	430	KEE	188	940	329. 45	333. 15	332. 87
172	2	73	4	1	1615	49. 9N	143. 8W	FWG	73	430	KEE	188	940	329. 24	332. 93	332. 65
205	2	73	4	8	1400	50. ON	144. 9W	WH	73	716	KEE	189	953	331. 02	334. 83	334. 55
206	2	73	4	8	1400	50. ON	144. 9W	WH	73	716	KEE	189	953	330. 82	334. 63	334. 35
207	2	73	415	1400	49. 9N	145. 1W	WH	73	716		KEE	190	953	331. 02	334. 83	334. 55
208	2	73	415	1400	49. 9N	145. 1W	WH	73	716		KEE	190	953	330. 82	334. 63	334. 35
209	2	73	422	1415	50. ON	144. 9W	WH	73	716		KEE	191	954	330. 52	334. 30	334. 02
210	2	73	422	1415	50. ON	144. 9W	WH	73	716		KEE	191	954	330. 42	334. 20	333. 92
211	2	73	429	1400	50. ON	145. 0W	WH	73	716		KEE	192	954	329. 42	333. 15	332. 87
212	2	73	429	1400	50. ON	145. 0W	WH	73	716		KEE	192	954	329. 23	332. 94	332. 66
213	2	73	5	6	1400	49. 9N	145. 3W	WH	73	716	KEE	193	954	330. 02	333. 78	333. 50
214	2	73	5	6	1400	49. 9N	145. 3W	WH	73	716	KEE	193	954	329. 83	333. 57	333. 29
215	2	73	513	0808	50. ON	144. 9W	WH	73	716		KEE	194	954	330. 42	334. 20	333. 92
216	2	73	513	0808	50. ON	144. 9W	WH	73	716		KEE	194	954	330. 23	334. 00	333. 72
13	2	73	520	1500	50. ON	144. 9W	BM	73	828		KEE	195	960	331. 21	335. 05	334. 77
14	2	73	520	1500	50. ON	144. 9W	BM	73	828		KEE	195	960	331. 31	335. 16	334. 88
15	2	73	528	1500	50. ON	144. 9W	BM	73	828		KEE	196	960	330. 51	334. 30	334. 02
16	2	73	528	1500	50. ON	144. 9W	BM	73	828		KEE	196	960	330. 51	334. 30	334. 02
17	2	73	6	5	1500	50. ON	145. 0W	BM	73	828	KEE	197	960	330. 51	334. 30	334. 02
18	2	73	6	5	1500	50. ON	145. 0W	BM	73	828	KEE	197	960	330. 41	334. 20	333. 92
19	2	73	613	1525	50. ON	145. 0W	BM	73	828		KEE	198	960	329. 61	333. 35	333. 07
20	2	73	613	1525	50. ON	145. 0W	BM	73	828		KEE	198	960	329. 70	333. 45	333. 17
21	2	73	617	1507	50. ON	145. 0W	BM	73	828		KEE	199	960	329. 11	332. 82	332. 54
22	2	73	617	1507	50. ON	145. 0W	BM	73	828		KEE	199	960	329. 11	332. 82	332. 54
23	2	73	623	1510	50. ON	145. 0W	BM	73	828		KEE	200	960	328. 00	331. 66	331. 38

FLASK NO.	VOL.	SAMPLE			POSITION		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE
		DATE	TIME	LAT	LONG	FIELD				ANAL					
24	2	73	623	1510	50.0N	145.0W	BM	73 828	KEE	200	960	328.00	331.66	331.38	
25	2	73	7 1	1400	50.0N	145.0W	MH	73 828	KEE	201	961	326.10	329.66	329.38	
26	2	73	7 1	1400	50.0N	145.0W	MH	73 828	KEE	201	961	326.19	329.76	329.48	
27	2	73	7 8	1400	50.0N	145.0W	MH	73 828	KEE	202	961	323.57	327.03	326.75	*
28	2	73	7 8	1400	50.0N	145.0W	MH	73 828	KEE	202	961	323.98	327.45	327.17	*
29	2	73	715	1400	50.0N	144.9W	DCL	73 828	KEE	203	961	323.88	327.34	327.06	*
30	2	73	715	1400	50.0N	144.9W	DCL	73 828	KEE	203	961	323.48	326.93	326.65	*
31	2	73	723	1400	50.0N	144.9W	RJR	73 828	KEE	204	961	323.17	326.61	326.33	
32	2	73	723	1400	50.0N	144.9W	RJR	73 828	KEE	204	961	323.07	326.51	326.23	
33	2	73	729	1400	49.9N	144.9W	RJR	73 828	KEE	205	961	321.26	324.62	324.34	*
34	2	73	729	1400	49.9N	144.9W	RJR	73 828	KEE	205	961	321.76	325.14	324.86	*
35	2	73	8 6	1400	50.1N	143.4W	RJR	73 828	KEE	206	961	323.98	327.45	327.17	&
36	2	73	8 6	1400	50.1N	143.4W	RJR	73 828	KEE	206	961	323.67	327.13	326.85	&
37	2	73	813	1500	50.0N	145.0W	CJ	731018	KEE	207	962	318.09	321.37	321.09	
38	2	73	813	1500	50.0N	145.0W	CJ	731018	KEE	207	962	318.25	321.53	321.25	
39	2	73	820	1500	50.0N	145.0W	WHJ	731018	KEE	208	962	324.43	327.93	327.65	&
40	2	73	820	1500	50.0N	145.0W	WHJ	731018	KEE	208	962	324.43	327.93	327.65	&
9	2	73	820	1500	50.0N	145.0W	WJ	731122	WON		1010	324.54	327.95	327.86	# *
10	2	73	820	1500	50.0N	145.0W	WJ	731120	WON		1010	324.55	327.96	327.87	# *
41	2	73	827	1515	50.0N	145.0W	JP	731018	KEE	209	962	320.86	324.23	323.95	&
42	2	73	827	1515	50.0N	145.0W	JP	731018	KEE	209	962	320.86	324.23	323.95	&
11	2	73	827	1500	50.0N	145.0W	JP	74 212	WON		1010	324.09	327.51	327.42	* *
12	2	73	827	1500	50.0N	145.0W	JP	74 212	WON		1010	321.08	324.39	324.30	* *
43	2	73	9 3	1500	50.0N	145.0W	CJ	731018	KEE	210	962	318.33	321.62	321.34	
44	2	73	9 3	1500	50.0N	145.0W	CJ	731018	KEE	210	962	318.33	321.62	321.34	
13	2	73	9 3	1500	50.0N	145.0W	J	74 212	WON		1010	318.47	321.70	321.61	# *
14	2	73	9 3	1500	50.0N	145.0W	J	74 212	WON		1010	318.44	321.67	321.58	# *
45	2	73	911	1515	50.0N	145.0W	WHJ	731018	KEE	211	962	319.80	323.13	322.85	*
46	2	73	911	1515	50.0N	145.0W	WHJ	731018	KEE	211	962	319.22	322.54	322.26	*
15	2	73	911	1515	50.0N	145.0W	WJ	74 212	WON		1010	319.30	322.55	322.46	
16	2	73	911	1515	50.0N	145.0W	WJ	74 212	WON		1010	319.35	322.60	322.51	
47	2	73	916	0930	50.0N	145.0W	WHJ	731018	KEE	212	962	321.33	324.72	324.44	
48	2	73	916	0930	50.0N	145.0W	WHJ	731018	KEE	212	962	321.33	324.72	324.44	
1	2	73	916	0930	50.0N	145.0W	J	73 916	WON		1	321.33	324.59	324.50	# *
2	2	73	916	0930	50.0N	145.0W	J	73 916	WON		1	321.47	324.73	324.64	# *
85	2	73	922	1500	50.0N	145.0W	BM	74 125	KEE	213	968	320.93	324.34	324.06	

FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL		LAB	SHEET #		J	X82	X82 CORR	FLAG CODE	
		DATE	TIME	LAT	LONG		DATE	DATE		FIELD	ANAL					
86	2	73	922	1500	50. ON	145. OW	BM	74	125	KEE	213	968	321. 04	324. 46	324. 18	
17	2	73	922	1500	50. ON	145. OW	BM	73	922	WON		1	321. 16	324. 42	324. 33	* *
18	2	73	922	1500	50. ON	145. OW	BM	74	5 2	WON		1015	324. 74	328. 22	328. 13	* *
87	2	7310	3	1504	50. ON	144. 9W	BM	74	125	KEE	214	968	323. 10	326. 59	326. 31	
88	2	7310	3	1504	50. ON	144. 9W	BM	74	125	KEE	214	968	323. 10	326. 59	326. 31	
19	2	7310	3	1504	50. ON	145. 9W	BM	74	5 2	WON		1015	323. 10	326. 51	326. 42	* *
20	2	7310	3	1504	50. ON	145. 9W	BM	74	5 2	WON		1015	324. 12	327. 58	327. 49	* *
21	2	7310	7	1505	50. ON	145. OW	BM	74	5 3	WON		1015	323. 21	326. 63	326. 54	
22	2	7310	7	1505	50. ON	145. OW	BM	74	5 3	WON		1015	323. 25	326. 67	326. 58	
89	2	731010		1505	50. ON	145. OW	BM	74	125	KEE	215	968	323. 54	327. 05	326. 77	
90	2	731010		1505	50. ON	145. OW	BM	74	125	KEE	215	968	323. 54	327. 05	326. 77	
91	2	731015		1450	49. 9N	144. 8W	BM	74	125	KEE	216	968	325. 93	329. 54	329. 26	
92	2	731015		1450	49. 9N	144. 8W	BM	74	125	KEE	216	968	325. 93	329. 54	329. 26	
23	2	731015		1450	49. 9N	144. 8W	BM	74	5 3	WON		1015	325. 84	329. 37	329. 28	* *
24	2	731015		1450	49. 9N	144. 8W	BM	74	5 6	WON		1015	325. 90	329. 43	329. 34	* *
93	2	731021		1500	50. 2N	145. 1W	BM	74	125	KEE	217	968	325. 93	329. 54	329. 26	
94	2	731021		1500	50. 2N	145. 1W	BM	74	125	KEE	217	968	325. 93	329. 54	329. 26	
25	2	731021		1500	50. 2N	144. 1W	BM	74	5 6	WON		1015	325. 74	329. 27	329. 18	* *
26	2	731021		1500	50. 2N	144. 1W	BM	74	5 6	WON		1015	325. 80	329. 33	329. 24	* *
95	2	731029		1504	50. 1N	145. 1W	BM	74	125	KEE	218	968	327. 01	330. 67	330. 39	*
96	2	731029		1504	50. 1N	145. 1W	BM	74	125	KEE	218	968	327. 45	331. 13	330. 85	*
27	2	731029		1504	50. 1N	145. 1W	BM	74	5 7	WON		1015	327. 08	330. 67	330. 58	*
28	2	731029		1504	50. 1N	145. 1W	BM	74	5 7	WON		1015	325. 05	328. 54	328. 45	*
205	2	7311	5	1500	50. ON	145. OW	CD	74	127	KEE	219	969	327. 18	330. 85	330. 57	*
206	2	7311	5	1500	50. ON	145. OW	CD	74	127	KEE	219	969	326. 64	330. 29	330. 01	*
33	2	7311	5	1500	50. ON	145. OW	CJ	75	217	WON		1020	325. 54	329. 14	329. 05	
34	2	7311	5	1500	50. ON	145. OW	CJ	75	217	WON		1020	325. 54	329. 14	329. 05	
207	2	731112		1500	50. ON	145. OW	CD	74	127	KEE	220	969	327. 83	331. 53	331. 25	
208	2	731112		1500	50. ON	145. OW	CD	74	127	KEE	220	969	327. 51	331. 19	330. 91	
35	2	731112		1500	50. ON	145. OW	CJ	75	217	WON		1020	327. 00	330. 66	330. 57	* *
36	2	731112		1500	50. ON	145. OW	CJ	75	217	WON		1020	326. 27	329. 90	329. 81	* *
209	2	731119		1500	50. ON	145. OW	CD	74	127	KEE	221	969	326. 54	330. 17	329. 89	
210	2	731119		1500	50. ON	145. OW	CD	74	127	KEE	221	969	326. 32	329. 94	329. 66	
37	2	731119		1500	50. ON	145. OW	CJ	75	221	WON		1020	324. 65	328. 22	328. 13	* *
38	2	731119		1500	50. ON	145. OW	CJ	75	221	WON		1020	324. 24	327. 80	327. 71	* *
211	2	731126		1500	49. 1N	147. 4W	CD	74	127	KEE	222	969	328. 16	331. 87	331. 59	

FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL		LAB	SHEET #		J	X82	X82	FLAG
		DATE	TIME	LAT	LONG		DATE	FIELD		ANAL	CORR				
212	2	731126	1500	49. 1N	147. 4W	CD	74	127	KEE	222	969	327. 94	331. 64	331. 36	
39	2	731126	1500	49. 1N	147. 4W	CJ	75	221	WON		1020	326. 90	330. 56	331. 45	*
40	2	731126	1500	49. 1N	147. 4W	CJ	75	221	WON		1020	326. 99	330. 65	331. 54	*
213	2	7312	3 1500	50. ON	145. OW	EM	74	127	KEE	223	969	329. 89	333. 69	333. 41	*
214	2	7312	3 1500	50. ON	145. OW	EM	74	127	KEE	223	969	328. 38	332. 10	331. 82	*
41	2	7312	3 1500	50. ON	145. OW	EM	75	224	WON		1020	327. 60	331. 29	332. 17	*
42	2	7312	3 1500	50. ON	145. OW	EM	75	224	WON		1020	327. 19	330. 87	331. 75	*
215	2	731210	1500	50. ON	145. OW	CD	74	127	KEE	224	969	327. 72	331. 41	331. 13	
216	2	731210	1500	50. ON	145. OW	CD	74	127	KEE	224	969	327. 83	331. 53	331. 25	
43	2	731210	1500	50. ON	145. OW	CJ	75	224	WON		1020	330. 03	333. 84	334. 71	* *
44	2	731210	1500	50. ON	145. OW	CJ	75	224	WON		1020	326. 94	330. 60	331. 47	* *
109	2	731225	1500	50. ON	145. OW	PM	74	318	KEE	225	971	336. 09	340. 28	340. 00	*
110	2	731225	1500	50. ON	145. OW	PM	74	318	KEE	225	971	328. 72	332. 48	332. 20	*
50	2	731225	1500	50. ON	145. OW	PM	75	411	WON		1025	327. 63	331. 34	332. 18	
51	2	731225	1500	50. ON	145. OW	PM	75	411	WON		1025	327. 38	331. 07	331. 91	
52	2	731225	1500	50. ON	145. OW	PM	75	411	WON		1025	327. 77	331. 48	332. 32	*
53	2	731230	1500	50. ON	145. OW	PM	75	411	WON		1025	328. 11	331. 84	332. 67	
54	2	731230	1500	50. ON	145. OW	PM	75	414	WON		1025	328. 05	331. 77	332. 60	
55	2	731230	1500	50. ON	145. OW	PM	75	414	WON		1025	328. 18	331. 91	332. 74	
111	2	731231	1500	50. ON	145. OW	CJ	74	318	KEE	226	971	332. 84	336. 82	336. 54	*
112	2	731231	1500	50. ON	145. OW	PM	74	318	KEE	226	971	329. 25	333. 04	332. 76	*
113	2	74 1 9	1500	50. ON	145. OW	CJ	74	318	KEE	227	971	327. 74	331. 45	331. 17	
114	2	74 1 9	1500	50. ON	145. OW	CJ	74	318	KEE	227	971	327. 63	331. 34	331. 06	
56	2	74 1 9	1500	50. ON	145. OW	J	75	414	WON		1025	326. 57	330. 24	331. 06	*
57	2	74 1 9	1500	50. ON	145. OW	J	75	414	WON		1025	326. 50	330. 16	330. 98	*
58	2	74 1 9	1500	50. ON	145. OW	J	75	414	WON		1025	326. 71	330. 37	331. 19	*
115	2	74 111	1500	50. ON	145. OW	PM	74	318	KEE	228	971	327. 63	331. 34	331. 06	*
116	2	74 111	1500	50. ON	145. OW	PM	74	318	KEE	228	971	339. 45	343. 88	343. 60	*
59	2	74 111	1500	50. ON	145. OW	PM	75	415	WON		1025	326. 57	330. 24	331. 06	
60	2	74 111	1500	50. ON	145. OW	PM	75	415	WON		1025	326. 61	330. 27	331. 09	
61	2	74 111	1500	50. ON	145. OW	PM	75	415	WON		1025	326. 74	330. 41	331. 23	
97	2	74 120	1505	50. ON	145. OW	BM	74	4 5	KEE	229	977	328. 11	331. 84	331. 56	*
98	2	74 120	1505	50. ON	145. OW	BM	74	4 5	KEE	229	977	328. 75	332. 52	332. 24	*
65	2	74 120	1505	50. ON	145. OW	BM	75	3 5	WON		1030	327. 41	331. 10	331. 91	
66	2	74 120	1505	50. ON	145. OW	BM	75	3 5	WON		1030	327. 06	330. 73	331. 54	
99	2	74 127	1450	50. ON	145. OW	BM	74	4 5	KEE	230	977	348. 25	353. 40	353. 12	*

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
100	2	74 127 1450	50.0N 145.0W	BM	74 4 5	KEE	230 977	355.00	360.82	360.54	*
69	2	74 127 1450	50.0N 145.0W	BM	75 3 6	WON	1030	327.74	331.44	332.24	
70	2	74 127 1450	50.0N 145.0W	BM	75 3 6	WON	1030	327.66	331.35	332.15	
101	2	74 2 5 1408	50.0N 145.0W	BM	74 4 5	KEE	231 977	328.53	332.29	332.01	
102	2	74 2 5 1408	50.0N 145.0W	BM	74 4 5	KEE	231 977	328.64	332.41	332.13	
71	2	74 2 5 1408	50.0N 145.0W	BM	75 3 6	WON	1030	327.61	331.30	332.09	*
72	2	74 2 5 1408	50.0N 145.0W	BM	75 3 6	WON	1030	327.42	331.11	331.90	*
103	2	74 211 1455	50.0N 145.0W	BM	74 4 5	KEE	232 977	330.28	334.12	333.84	*
104	2	74 211 1455	50.0N 145.0W	BM	74 4 5	KEE	232 977	329.84	333.66	333.38	*
73	2	74 211 1455	50.0N 145.0W	BM	75 311	WON	1030	328.78	332.53	333.31	
74	2	74 211 1455	50.0N 145.0W	BM	75 311	WON	1030	328.58	332.32	333.10	
105	2	74 218 1445	50.0N 145.0W	BM	74 4 5	KEE	233 977	328.97	332.75	332.47	
106	2	74 218 1445	50.0N 145.0W	BM	74 4 5	KEE	233 977	329.30	333.10	332.82	
77	2	74 218 1445	50.0N 145.0W	BM	75 312	WON	1030	327.83	331.53	332.31	*
78	2	74 218 1445	50.0N 145.0W	BM	75 312	WON	1030	327.92	331.64	332.42	*
13	2	74 219 1500	49.9N 145.2W	WKJ	74 614	KEE	234 1001	330.08	333.94	333.66	*
14	2	74 219 1500	49.9N 145.2W	WKJ	74 614	KEE	234 1001	330.48	334.36	334.08	*
15	2	74 227 1500	50.0N 145.0W	WKJ	74 614	KEE	235 1001	329.98	333.83	333.55	*
16	2	74 227 1500	50.0N 145.0W	WKJ	74 614	KEE	235 1001	330.39	334.26	333.98	*
17	2	74 3 5 1450	50.0N 145.0W	WKJ	74 614	KEE	236 1001	331.79	335.73	335.45	
18	2	74 3 5 1450	50.0N 145.0W	WKJ	74 614	KEE	236 1001	331.99	335.95	335.67	
19	2	74 320 1500	50.0N 145.0W	BJC	74 614	KEE	237 1001	329.79	333.63	333.35	
20	2	74 320 1500	50.0N 145.0W	BJC	74 614	KEE	237 1001	330.08	333.94	333.66	
47	2	74 320 1500	50.0N 145.0W	WJ	75 3 5	WON	1035	329.16	332.92	333.68	*
48	2	74 320 1500	50.0N 145.0W	WJ	75 3 5	WON	1035	329.16	332.92	333.68	*
21	2	74 326 1500	50.0N 145.0W	BJC	74 614	KEE	238 1001	329.39	333.21	332.93	*
22	2	74 326 1500	50.0N 145.0W	BJC	74 614	KEE	238 1001	330.59	334.48	334.20	*
23	2	74 331 0900	50.0N 144.9W	BJC	74 614	KEE	239 1001	329.79	333.63	333.35	*
24	2	74 331 0900	50.0N 144.9W	BJC	74 614	KEE	239 1001	330.98	334.89	334.61	*
41	2	74 4 8 1200	50.0N 145.0W	JRG	74 614	KEE	240 1001	330.79	334.68	334.40	
42	2	74 4 8 1200	50.0N 145.0W	JRG	74 614	KEE	240 1001	330.79	334.68	334.40	
43	2	74 4 8 1200	50.0N 145.0W	JRG	74 614	KEE	240 1001	330.48	334.36	334.08	
44	2	74 4 8 1200	50.0N 145.0W	JRG	74 614	KEE	240 1001	330.59	334.48	334.20	
45	2	74 414 1600	49.8N 142.9W	JRG	74 614	KEE	241 1002	330.70	334.59	334.31	
46	2	74 414 1600	49.8N 142.9W	JRG	74 614	KEE	241 1002	330.40	334.27	333.99	
47	2	74 414 1600	49.8N 142.9W	JRG	74 614	KEE	241 1002	330.50	334.37	334.09	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
48	2	74 414 1600	49.8N 142.9W	JRG	74 614	KEE	241 1002	330.50	334.37	334.09	
205	2	74 423 1500	50.0N 146.0W	DM	74 614	KEE	242 1002	331.90	335.85	335.57	
207	2	74 423 1500	50.0N 146.0W	DM	74 614	KEE	242 1002	331.60	335.54	335.26	
13	2	74 423 1500	50.0N 146.0W	DM	75 318	WON	1045	330.96	334.81	335.55	*
14	2	74 423 1500	50.0N 146.0W	DM	75 318	WON	1045	330.91	334.76	335.50	*
209	2	74 429 1500	50.1N 145.5W	DM	74 614	KEE	243 1002	330.40	334.27	333.99	
210	2	74 429 1500	50.1N 145.5W	DM	74 614	KEE	243 1002	330.70	334.59	334.31	
9	2	74 429 1500	50.1N 145.5W	DM	75 410	WON	1045	330.19	334.01	334.75	*
10	2	74 429 1500	50.1N 145.5W	DM	75 410	WON	1045	330.36	334.19	334.93	*
211	2	74 5 6 1500	50.3N 144.3W	DM	74 614	KEE	244 1002	332.01	335.97	335.69	*
212	2	74 5 6 1500	50.3N 144.3W	DM	74 614	KEE	244 1002	332.41	336.39	336.11	*
15	2	74 5 6 1500	50.3N 144.3W	DM	75 410	WON	1045	334.40	338.44	339.18	*
16	2	74 5 6 1500	50.3N 144.3W	DM	75 410	WON	1045	332.29	336.22	336.96	*
213	2	74 513 1500	50.0N 143.4W	DM	74 614	KEE	245 1002	333.62	337.67	337.39	*
214	2	74 513 1500	50.0N 143.4W	DM	74 614	KEE	245 1002	331.90	335.85	335.57	*
11	2	74 513 1500	50.0N 143.4W	DM	75 410	WON	1045	339.53	343.89	344.63	*
12	2	74 513 1500	50.0N 143.4W	DM	75 410	WON	1045	333.32	337.31	338.05	*
109	2	74 519 1400	50.0N 145.0W	CD	74 830	KEE	246 1006	332.47	336.47	336.19	*
110	2	74 519 1400	50.0N 145.0W	CD	74 830	KEE	246 1006	331.57	335.52	335.24	*
17	2	74 519 1400	50.0N 145.0W	CJ	75 226	WON	1050	331.46	335.34	336.08	*
18	2	74 519 1400	50.0N 145.0W	CJ	75 226	WON	1050	345.03	349.80	350.54	*
111	2	74 527 1500	50.0N 145.0W	CD	74 830	KEE	247 1006	331.57	335.52	335.24	
112	2	74 527 1500	50.0N 145.0W	CD	74 830	KEE	247 1006	331.46	335.41	335.13	
21	2	74 527 1500	50.0N 145.0W	CJ	75 226	WON	1050	330.47	334.30	335.04	*
22	2	74 527 1500	50.0N 145.0W	CJ	75 227	WON	1050	330.64	334.48	335.22	*
113	2	74 6 2 1500	50.0N 145.0W	CD	74 830	KEE	248 1006	331.67	335.63	335.35	*
114	2	74 6 2 1500	50.0N 145.0W	CD	74 830	KEE	248 1006	333.29	337.34	337.06	*
23	2	74 6 2 1500	50.0N 145.0W	CJ	75 227	WON	1050	330.74	334.58	335.32	
24	2	74 6 2 1500	50.0N 145.0W	CJ	75 227	WON	1050	330.67	334.50	335.24	
115	2	74 6 9 1400	50.0N 145.0W	CD	74 830	KEE	249 1006	330.96	334.88	334.60	
116	2	74 6 9 1400	50.0N 145.0W	CD	74 830	KEE	249 1006	330.96	334.88	334.60	
25	2	74 6 9 1400	50.0N 145.0W	CJ	75 227	WON	1050	329.80	333.60	334.35	*
26	2	74 6 9 1400	50.0N 145.0W	CJ	75 227	WON	1050	329.69	333.48	334.23	*
117	2	74 616 1200	50.0N 145.0W	CD	74 830	KEE	250 1006	329.55	333.40	333.12	
118	2	74 616 1200	50.0N 145.0W	CD	74 830	KEE	250 1006	329.74	333.60	333.32	
29	2	74 616 1200	50.0N 145.0W	CJ	75 228	WON	1050	329.52	333.30	334.05	**

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
30	2	74 616 1200	50. ON 145. OW	CJ	75 3 4	WON	1050	329. 08	332. 84	333. 59	* *
119	2	74 622 1200	50. ON 145. OW	CD	74 830	KEE	251 1006	329. 24	333. 08	332. 80	
120	2	74 622 1200	50. ON 145. OW	CD	74 830	KEE	251 1006	328. 94	332. 76	332. 48	
31	2	74 622 1200	50. ON 145. OW	CJ	75 3 4	WON	1050	327. 99	331. 70	332. 45	*
32	2	74 622 1200	50. ON 145. OW	CJ	75 3 4	WON	1050	328. 01	331. 72	332. 47	*
97	2	74 630 1200	50. ON 145. OW	EM	7410 8	KEE	252 1007	328. 75	332. 58	332. 30	*
98	2	74 630 1200	50. ON 145. OW	EM	7410 8	KEE	252 1007	330. 34	334. 24	333. 96	*
1	2	74 630 1200	50. ON 145. OW	EM	75 310	WON	1055	328. 50	332. 23	332. 98	*
99	2	74 7 7 1200	50. ON 145. OW	EM	7410 8	KEE	253 1007	334. 71	338. 85	338. 57	*
100	2	74 7 7 1200	50. ON 145. OW	EM	7410 8	KEE	253 1007	326. 07	329. 77	329. 49	*
4	2	74 7 7 1200	50. ON 145. OW	EM	75 310	WON	1055	325. 06	328. 65	329. 41	*
101	2	74 714 1200	50. ON 145. OW	EM	7410 8	KEE	254 1007	324. 98	328. 63	328. 35	
102	2	74 714 1200	50. ON 145. OW	EM	7410 8	KEE	254 1007	325. 27	328. 94	328. 66	
103	2	74 722 1345	50. ON 145. OW	EM	7410 8	KEE	255 1007	326. 46	330. 18	329. 90	&
104	2	74 722 1345	50. ON 145. OW	EM	7410 8	KEE	255 1007	326. 36	330. 08	329. 80	&
6	2	74 722 1345	50. ON 145. OW	EM	75 310	WON	1055	325. 72	329. 34	330. 11	* *
105	2	74 728 1200	50. ON 145. OW	EM	7410 8	KEE	256 1007	322. 39	325. 95	325. 67	
106	2	74 728 1200	50. ON 145. OW	EM	7410 8	KEE	256 1007	322. 68	326. 26	325. 98	
8	2	74 728 1200	50. ON 145. OW	EM	75 311	WON	1055	322. 05	325. 54	326. 31	* *
107	2	74 8 4 1200	50. 3N 145. 7W	EM	7410 8	KEE	257 1007	320. 21	323. 70	323. 42	*
108	2	74 8 4 1200	50. 3N 145. 7W	EM	7410 8	KEE	257 1007	320. 81	324. 32	324. 04	*
289	2	74 812 1500	50. ON 145. OW	BJC	741121	KEE	258 1016	325. 28	328. 96	328. 68	*
290	2	74 812 1500	50. ON 145. OW	BJC	741121	KEE	258 1016	323. 90	327. 53	327. 25	*
291	2	74 820 1500	50. ON 145. OW	BJC	741121	KEE	259 1016	322. 93	326. 52	326. 24	&
292	2	74 820 1500	50. ON 145. OW	BJC	741121	KEE	259 1016	323. 12	326. 73	326. 45	&
293	2	74 826 1500	50. ON 145. OW	BJC	741121	KEE	260 1016	324. 60	328. 25	327. 97	&
294	2	74 826 1500	50. ON 145. OW	BJC	741121	KEE	260 1016	324. 21	327. 85	327. 57	&
295	2	74 9 2 1500	50. ON 145. OW	BJC	741121	KEE	261 1016	320. 17	323. 68	323. 40	
296	2	74 9 2 1500	50. ON 145. OW	BJC	741121	KEE	261 1016	320. 48	323. 99	323. 71	
297	2	74 9 8 1500	50. ON 145. OW	BJC	741121	KEE	262 1016	322. 04	325. 60	325. 32	*
298	2	74 9 8 1500	50. ON 145. OW	BJC	741121	KEE	262 1016	321. 26	324. 80	324. 52	*
299	2	74 915 0900	50. ON 145. OW	BJC	741121	KEE	263 1016	321. 16	324. 70	324. 42	*
300	2	74 915 0900	50. ON 145. OW	BJC	741121	KEE	263 1016	323. 22	326. 83	326. 55	*
205	2	74 921 1450	49. 8N 145. 8W	BM	75 121	KEE	264 1026	321. 60	325. 17	324. 89	
206	2	74 921 1450	49. 8N 145. 8W	BM	75 121	KEE	264 1026	321. 71	325. 28	325. 00	
207	2	74 929 1455	50. ON 145. OW	BM	75 121	KEE	265 1026	325. 55	329. 26	328. 98	*



FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
208	2	74 929 1455	50. ON 145. OW	BM	75 121	KEE	265 1026	322. 89	326. 51	326. 23	*
209	2	741010 1500	50. ON 145. OW	BM	75 121	KEE	266 1026	326. 44	330. 19	329. 91	*
210	2	741010 1500	50. ON 145. OW	BM	75 121	KEE	266 1026	324. 85	328. 54	328. 26	*
211	2	741013 1455	50. ON 145. OW	BM	75 121	KEE	267 1026	324. 17	327. 83	327. 55	
212	2	741013 1455	50. ON 145. OW	BM	75 121	KEE	267 1026	323. 88	327. 53	327. 25	
213	2	741019 1505	50. ON 145. OW	BM	75 121	KEE	268 1026	326. 44	330. 19	329. 91	
214	2	741019 1505	50. ON 145. OW	BM	75 121	KEE	268 1026	326. 44	330. 19	329. 91	
215	2	741027 1445	50. ON 145. OW	BM	75 121	KEE	269 1026	325. 84	329. 56	329. 28	
216	2	741027 1445	50. ON 145. OW	BM	75 121	KEE	269 1026	325. 55	329. 26	328. 98	
173	2	741117 1500	50. ON 145. OW	RB	75 4 1	KEE	272 1035	347. 69	352. 80	352. 52	*
175	2	741124 1500	50. ON 145. OW	RB	75 4 1	KEE	273 1035	328. 40	332. 25	331. 97	*
177	2	7412 1 1500	50. ON 145. OW	RB	75 4 1	KEE	274 1035	329. 37	333. 27	332. 99	
178	2	7412 1 1500	50. ON 145. OW	RB	75 4 1	KEE	274 1035	329. 18	333. 07	332. 79	
180	2	7412 8 1500	50. ON 145. OW	RB	75 4 1	KEE	275 1035	329. 47	333. 37	333. 09	*
85	2	741222 1500	50. 2N 145. 1W	HCP	75 4 1	KEE	276 1035	328. 40	332. 25	331. 97	*
86	2	741222 1500	50. 2N 145. 1W	HCP	75 4 1	KEE	276 1035	329. 18	333. 07	332. 79	*
87	2	741229 1500	50. ON 145. OW	HCP	75 4 1	KEE	277 1035	331. 15	335. 14	334. 86	*
88	2	741229 1500	50. ON 145. OW	HCP	75 4 1	KEE	277 1035	331. 54	335. 55	335. 27	*
89	2	75 1 5 1500	50. 3N 138. 3W	HCP	75 4 1	KEE	278 1035	354. 98	360. 77	360. 49	*
90	2	75 1 5 1500	50. 3N 138. 3W	HCP	75 4 1	KEE	278 1035	334. 89	339. 08	338. 80	*
91	2	75 112 1500	50. 1N 145. 4W	HCP	75 4 1	KEE	279 1035	329. 97	333. 90	333. 62	
92	2	75 112 1500	50. 1N 145. 4W	HCP	75 4 1	KEE	279 1035	330. 07	334. 00	333. 72	
37	2	75 119 1420	50. ON 145. OW	BLT	75 513	KEE	280 1053	330. 01	333. 95	333. 67	
38	2	75 119 1420	50. ON 145. OW	BLT	75 513	KEE	280 1053	330. 30	334. 25	333. 97	
81	2	75 119 1420	50. ON 145. OW	BT	75 415	WON	1080	328. 49	332. 23	333. 22	*
82	2	75 119 1420	50. ON 145. OW	BT	75 416	WON	1080	328. 74	332. 50	333. 49	*
40	2	75 126 1450	50. ON 145. OW	BLT	75 513	KEE	281 1053	329. 81	333. 74	333. 46	*
85	2	75 126 1450	50. ON 145. OW	BT	75 416	WON	1080	328. 90	332. 66	333. 66	
86	2	75 126 1450	50. ON 145. OW	BT	75 416	WON	1080	328. 70	332. 46	333. 46	
41	2	75 2 2 1410	50. ON 145. OW	BLT	75 513	KEE	282 1053	330. 40	334. 36	334. 08	
42	2	75 2 2 1410	50. ON 145. OW	BLT	75 513	KEE	282 1053	330. 40	334. 36	334. 08	
89	2	75 2 2 1410	50. ON 145. OW	BT	75 416	WON	1080	329. 18	332. 96	333. 97	*
90	2	75 2 2 1410	50. ON 145. OW	BT	75 416	WON	1080	329. 13	332. 91	333. 92	*
43	2	75 2 9 1400	50. ON 145. OW	BLT	75 513	KEE	283 1053	331. 59	335. 61	335. 33	
44	2	75 2 9 1400	50. ON 145. OW	BLT	75 513	KEE	283 1053	331. 50	335. 51	335. 23	
91	2	75 2 9 1400	50. ON 145. OW	BT	75 417	WON	1080	330. 01	333. 83	334. 85	* *

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
92	2	75 2 9 1400	50.0N 145.0W	BT	75 417	WON	1080	330.56	334.40	335.42	* *
45	2	75 216 1345	50.0N 145.0W	BLT	75 513	KEE	284 1053	331.09	335.08	334.80	
46	2	75 216 1345	50.0N 145.0W	BLT	75 513	KEE	284 1053	331.40	335.40	335.12	
93	2	75 216 1345	49.7N 143.9W	BT	75 417	WON	1080	332.15	336.08	337.11	* *
94	2	75 216 1345	49.7N 143.9W	BT	75 418	WON	1080	331.19	335.07	336.10	* *
289	2	75 224 1500	50.0N 145.0W	CD	75 513	KEE	285 1054	331.08	335.07	334.79	*
99	2	75 224 1500	50.0N 145.0W	CJ	75 421	WON	1085	330.39	334.22	335.27	
100	2	75 224 1500	50.0N 145.0W	CJ	75 421	WON	1085	330.54	334.39	335.44	
101	2	75 3 2 1500	50.0N 145.0W	CJ	75 421	WON	1085	330.19	334.02	335.08	
102	2	75 3 2 1500	50.0N 145.0W	CJ	75 422	WON	1085	330.47	334.31	335.37	
292	2	75 3 3 1500	50.0N 145.0W	CD	75 513	KEE	286 1054	331.29	335.29	335.01	*
293	2	75 310 1500	50.0N 145.0W	CD	75 513	KEE	287 1054	331.29	335.29	335.01	
294	2	75 310 1500	50.0N 145.0W	CD	75 513	KEE	287 1054	331.39	335.39	335.11	
103	2	75 310 1500	50.0N 145.0W	CJ	75 422	WON	1085	330.17	333.99	335.06	*
104	2	75 310 1500	50.0N 145.0W	CJ	75 422	WON	1085	330.17	333.99	335.06	*
295	2	75 317 1500	50.0N 145.0W	CD	75 513	KEE	288 1054	332.07	336.11	335.83	
296	2	75 317 1500	50.0N 145.0W	CD	75 513	KEE	288 1054	331.87	335.90	335.62	
105	2	75 317 1500	50.0N 145.0W	CJ	75 422	WON	1085	330.84	334.70	335.79	*
106	2	75 317 1500	50.0N 145.0W	CJ	75 422	WON	1085	330.97	334.84	335.93	*
297	2	75 324 1500	50.0N 145.0W	CD	75 513	KEE	289 1054	332.07	336.11	335.83	
298	2	75 324 1500	50.0N 145.0W	CD	75 513	KEE	289 1054	331.97	336.01	335.73	
109	2	75 324 1500	50.0N 145.0W	CJ	75 423	WON	1085	330.86	334.72	335.82	*
110	2	75 324 1500	50.0N 145.0W	CJ	75 423	WON	1085	331.08	334.95	336.05	*
299	2	75 330 1500	50.0N 145.0W	CD	75 513	KEE	290 1054	331.78	335.80	335.52	*
111	2	75 330 1500	50.0N 145.0W	CJ	75 423	WON	1085	329.68	333.48	334.59	*
112	2	75 330 1500	50.0N 145.0W	CJ	75 423	WON	1085	330.29	334.12	335.23	*
205	2	75 4 6 1635	50.0N 145.0W	TS	75 814	KEE	291 1068	332.71	336.81	336.53	
206	2	75 4 6 1635	50.0N 145.0W	TS	75 814	KEE	291 1068	332.62	336.71	336.43	
207	2	75 4 6 1635	50.0N 145.0W	TS	75 529	WON	1090	331.84	335.75	336.87	*
208	2	75 4 6 1635	50.0N 145.0W	TS	75 530	WON	1090	331.46	335.36	336.48	*
211	2	75 413 1520	50.0N 145.0W	GA	75 814	KEE	292 1068	332.62	336.71	336.43	
212	2	75 413 1520	50.0N 145.0W	GA	75 814	KEE	292 1068	332.25	336.32	336.04	
213	2	75 413 1520	50.0N 145.0W	GA	75 529	WON	1090	331.37	335.27	336.41	*
214	2	75 413 1520	50.0N 145.0W	GA	75 529	WON	1090	331.19	335.08	336.22	*
215	2	75 420 1520	50.0N 145.0W	TS	75 814	KEE	293 1068	331.78	335.82	335.54	
216	2	75 420 1520	50.0N 145.0W	TS	75 814	KEE	293 1068	331.69	335.73	335.45	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
17	2	75 420	1520	50. ON	145. OW	TS	75 527	WON	1090	330. 62	334. 47	335. 62	*
18	2	75 420	1520	50. ON	145. OW	TS	75 527	WON	1090	330. 80	334. 67	335. 82	*
21	2	75 427	1520	50. ON	145. OW	GA	75 814	KEE	294 1068	332. 90	337. 00	336. 72	
22	2	75 427	1520	50. ON	145. OW	GA	75 814	KEE	294 1068	332. 71	336. 81	336. 53	
19	2	75 427	1520	50. ON	145. OW	GA	75 527	WON	1090	331. 82	335. 74	336. 90	* *
20	2	75 427	1520	50. ON	145. OW	GA	75 527	WON	1090	332. 20	336. 14	337. 30	* *
28	2	75 5 4	1520	50. ON	145. OW	GA	75 814	KEE	295 1068	332. 71	336. 81	336. 53	*
25	2	75 5 4	1520	50. ON	145. OW	GA	75 528	WON	1090	331. 78	335. 69	336. 87	
26	2	75 5 4	1520	50. ON	145. OW	GA	75 529	WON	1090	331. 53	335. 43	336. 61	
29	2	75 511	1055	50. ON	145. OW	GA	75 814	KEE	296 1068	332. 71	336. 81	336. 53	
30	2	75 511	1055	50. ON	145. OW	GA	75 814	KEE	296 1068	332. 90	337. 00	336. 72	
31	2	75 511	1055	49. 8N	144. 1W	GA	75 528	WON	1090	331. 63	335. 54	336. 73	*
32	2	75 511	1055	49. 8N	144. 1W	GA	75 528	WON	1090	331. 69	335. 60	336. 79	*
2	2	75 517	1400	50. ON	145. OW	PB	7511 7	WON	27	333. 87	337. 93	339. 13	*
110	2	75 518	1400	50. ON	145. OW	PB	75 814	KEE	297 1069	333. 29	337. 41	337. 13	*
111	2	75 525	1500	50. ON	145. OW	PB	75 814	KEE	298 1069	331. 69	335. 73	335. 45	
112	2	75 525	1500	50. ON	145. OW	PB	75 814	KEE	298 1069	331. 69	335. 73	335. 45	
3	2	75 525	1500	50. ON	145. OW	PB	7511 7	WON	27	330. 76	334. 67	335. 89	* *
4	2	75 525	1500	50. ON	145. OW	PB	7511 7	WON	27	330. 14	334. 02	335. 24	* *
113	2	75 6 1	1400	50. ON	145. OW	PB	75 814	KEE	299 1069	332. 17	336. 23	335. 95	
114	2	75 6 1	1400	50. ON	145. OW	PB	75 814	KEE	299 1069	331. 97	336. 03	335. 75	
115	2	75 6 8	1400	50. ON	145. OW	PB	75 814	KEE	300 1069	330. 85	334. 85	334. 57	
116	2	75 6 8	1400	50. ON	145. OW	PB	75 814	KEE	300 1069	330. 85	334. 85	334. 57	
117	2	75 615	1415	50. ON	145. OW	PB	75 814	KEE	301 1069	330. 67	334. 66	334. 38	
118	2	75 615	1415	50. ON	145. OW	PB	75 814	KEE	301 1069	330. 76	334. 76	334. 48	
119	2	75 621	1445	50. ON	145. OW	PB	75 814	KEE	302 1069	329. 92	333. 88	333. 60	
120	2	75 621	1445	50. ON	145. OW	PB	75 814	KEE	302 1069	329. 64	333. 59	333. 31	
85	2	75 629	1400	50. ON	145. OW	CO	75 921	KEE	303 1085	328. 53	332. 44	332. 16	*
86	2	75 629	1400	50. ON	145. OW	CO	75 921	KEE	303 1085	329. 36	333. 30	333. 02	*
69	2	75 629	1400	50. ON	145. OW	CO	751110	WON	27	327. 34	331. 09	332. 38	
70	2	75 629	1400	50. ON	145. OW	CO	751110	WON	27	327. 47	331. 23	332. 52	
87	2	75 7 6	1400	50. ON	145. OW	CO	75 921	KEE	304 1085	326. 90	330. 74	330. 46	
88	2	75 7 6	1400	50. ON	145. OW	CO	75 921	KEE	304 1085	327. 08	330. 93	330. 65	
71	2	75 7 6	1400	50. ON	145. OW	CO	751110	WON	27	325. 76	329. 45	330. 75	*
72	2	75 7 6	1400	50. ON	145. OW	CO	751112	WON	28	325. 58	329. 27	330. 57	*
89	2	75 713	1400	50. ON	145. OW	CO	75 921	KEE	305 1085	325. 80	329. 60	329. 32	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE	
90	2	75	713	1400	50. ON	145. OW	CG	75 921	KEE	305	1085	325. 62	329. 41	329. 13	
73	2	75	713	1400	50. ON	145. OW	CG	751113	WON		28	324. 22	327. 86	329. 17	*
74	2	75	713	1400	50. ON	145. OW	CG	751114	WON		28	324. 35	328. 00	329. 31	*
91	2	75	720	1400	50. ON	144. 8W	CG	75 921	KEE	306	1085	322. 62	326. 31	326. 03	
92	2	75	720	1400	50. ON	144. 8W	CG	75 921	KEE	306	1085	322. 36	326. 03	325. 75	
75	2	75	720	1400	50. ON	144. 8W	CG	751114	WON		28	321. 02	324. 56	325. 89	*
76	2	75	720	1400	50. ON	144. 8W	CG	751114	WON		28	321. 15	324. 69	326. 02	*
93	2	75	727	1410	50. ON	144. 9W	CG	75 921	KEE	307	1085	323. 07	326. 77	326. 49	
94	2	75	727	1410	50. ON	144. 9W	CG	75 921	KEE	307	1085	323. 07	326. 77	326. 49	
77	2	75	727	1410	50. ON	144. 9W	CG	751112	WON		28	321. 71	325. 27	326. 61	* *
78	2	75	727	1410	50. ON	144. 9W	CG	751112	WON		28	321. 30	324. 84	326. 18	* *
95	2	75	8 3	1400	50. ON	143. 6W	CG	75 921	KEE	308	1085	320. 08	323. 69	323. 41	
96	2	75	8 3	1400	50. ON	143. 6W	CG	75 921	KEE	308	1085	320. 08	323. 69	323. 41	
79	2	75	8 3	1410	50. ON	143. 6W	CG	751113	WON		28	318. 68	322. 16	323. 51	*
80	2	75	8 3	1410	50. ON	143. 6W	CG	751113	WON		28	318. 41	321. 88	323. 23	*
37	2	75	810	1100	50. ON	144. 9W	DME	751031	KEE	309	1099	324. 33	328. 08	327. 80	&
38	2	75	810	1100	50. ON	144. 9W	DME	751031	KEE	309	1099	324. 43	328. 18	327. 90	&
97	2	75	810	1100	50. ON	144. 9W	DM	751229	WON		46	322. 90	326. 52	327. 89	& *
98	2	75	810	1100	50. ON	144. 9W	DM	751229	WON		46	322. 59	326. 19	327. 56	& *
39	2	75	817	1100	50. 1N	145. OW	DME	751031	KEE	310	1099	331. 23	335. 27	334. 99	*
40	2	75	817	1100	50. 1N	145. OW	DME	751031	KEE	310	1099	356. 43	362. 36	362. 08	*
99	2	75	817	1100	50. 1N	145. OW	DM	751230	WON		47	316. 97	320. 43	321. 81	*
100	2	75	817	1100	50. 1N	145. OW	DM	751230	WON		47	317. 54	321. 02	322. 40	*
41	2	75	824	1100	50. ON	144. 9W	DME	751031	KEE	311	1099	326. 86	330. 71	330. 43	*
42	2	75	824	1100	50. ON	144. 9W	DME	751031	KEE	311	1099	325. 15	328. 93	328. 65	*
101	2	75	824	1100	50. ON	144. 9W	DM	751230	WON		47	323. 84	327. 48	328. 88	*
102	2	75	824	1100	50. ON	144. 9W	DM	751230	WON		47	326. 35	330. 08	331. 47	*
43	2	75	831	1100	50. ON	144. 9W	DME	751031	KEE	312	1099	321. 34	325. 00	324. 72	
44	2	75	831	1100	50. ON	144. 9W	DME	751031	KEE	312	1099	321. 43	325. 09	324. 81	
103	2	75	831	1100	50. ON	144. 9W	DM	751230	WON		47	321. 84	325. 42	326. 83	* *
45	2	75	9 7	1100	49. 9N	133. 6W	DME	751031	KEE	313	1099	320. 34	323. 98	323. 70	*
47	2	75	914	1100	50. ON	144. 1W	DME	751031	KEE	314	1099	321. 79	325. 47	325. 19	
48	2	75	914	1100	50. ON	144. 1W	DME	751031	KEE	314	1099	321. 43	325. 09	324. 81	
107	2	75	914	1100	50. ON	144. 1W	DM	751231	WON		47	330. 34	334. 24	335. 67	# *
108	2	75	914	1100	50. ON	144. 1W	DM	751231	WON		47	330. 40	334. 30	335. 73	# *
289	2	75	921	1400	50. ON	145. OW	WG	751229	KEE	315	1109	322. 72	326. 44	326. 16	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
290	2	75 921	1400	50. ON	145. OW	WG	751229	KEE	315	1109	323. 90	327. 66	327. 38	*
147	2	75 921	1400	50. ON	145. OW	WG	751125	WON		1	320. 64	324. 17	325. 62	
148	2	75 921	1400	50. ON	145. OW	WG	751125	WON		1	320. 52	324. 05	325. 50	
291	2	75 928	1400	50. ON	145. OW	WG	751229	KEE	316	1109	324. 35	328. 13	327. 85	
292	2	75 928	1400	50. ON	145. OW	WG	751229	KEE	316	1109	324. 35	328. 13	327. 85	
87	2	75 928	1400	50. ON	145. OW	WG	751121	WON		1	322. 34	325. 93	327. 39	*
88	2	75 928	1400	50. ON	145. OW	WG	751121	WON		1	322. 45	326. 04	327. 50	*
293	2	7510 5	1400	50. ON	145. OW	WG	751229	KEE	317	1110	325. 27	329. 07	328. 79	
294	2	7510 5	1400	50. ON	145. OW	WG	751229	KEE	317	1110	325. 27	329. 07	328. 79	
149	2	7510 5	1400	50. ON	145. OW	WG	751125	WON		1	323. 50	327. 12	328. 59	* *
150	2	7510 5	1400	50. ON	145. OW	WG	751126	WON		1	324. 03	327. 66	329. 13	* *
295	2	751012	1400	50. ON	145. OW	WG	751229	KEE	318	1110	326. 73	330. 59	330. 31	
296	2	751012	1400	50. ON	145. OW	WG	751229	KEE	318	1110	326. 63	330. 49	330. 21	
89	2	751012	1400	50. ON	145. OW	WG	76 1 7	WON		42	325. 19	328. 89	330. 38	*
90	2	751012	1400	50. ON	145. OW	WG	76 1 7	WON		42	325. 22	328. 91	330. 40	*
297	2	751019	1400	50. ON	145. OW	WG	751229	KEE	319	1110	328. 36	332. 29	332. 01	
298	2	751019	1400	50. ON	145. OW	WG	751229	KEE	319	1110	328. 18	332. 10	331. 82	
91	2	751019	1400	50. ON	145. OW	WG	76 1 7	WON		42	326. 50	330. 24	331. 74	*
92	2	751019	1400	50. ON	145. OW	WG	76 1 8	WON		42	326. 82	330. 57	332. 07	*
299	2	751026	1400	50. ON	145. OW	WG	751229	KEE	320	1110	327. 28	331. 16	330. 88	
300	2	751026	1400	50. ON	145. OW	WG	751229	KEE	320	1110	327. 28	331. 16	330. 88	
95	2	751026	1400	50. ON	145. OW	WG	76 1 8	WON		42	325. 78	329. 49	331. 00	* *
96	2	751026	1400	50. ON	145. OW	WG	76 1 8	WON		42	326. 83	330. 58	332. 09	* *
97	2	7511 2	1500	50. ON	145. OW	HCP	76 225	KEE	321	1124	328. 20	332. 14	331. 86	*
98	2	7511 2	1500	50. ON	145. OW	HCP	76 225	KEE	321	1124	333. 69	337. 88	337. 60	*
99	2	7511 2	1500	50. ON	144. 9W	HCP	76 115	WON		50	326. 67	330. 42	331. 94	
100	2	7511 2	1500	50. ON	144. 9W	HCP	76 115	WON		50	326. 77	330. 52	332. 04	
103	2	7511 9	1500	50. ON	145. OW	HCP	76 225	KEE	322	1124	329. 48	333. 47	333. 19	*
104	2	7511 9	1500	50. ON	145. OW	HCP	76 225	KEE	322	1124	332. 31	336. 43	336. 15	*
101	2	7511 9	1500	50. ON	145. OW	HCP	76 115	WON		50	330. 57	334. 48	336. 02	
102	2	7511 9	1500	50. ON	145. OW	HCP	76 115	WON		50	330. 33	334. 23	335. 77	
107	2	751116	1500	50. ON	145. OW	HCP	76 225	KEE	323	1124	335. 88	340. 19	339. 91	*
108	2	751116	1500	50. ON	145. OW	HCP	76 225	KEE	323	1124	330. 03	334. 05	333. 77	*
105	2	751116	1500	50. ON	145. OW	HCP	76 115	WON		44	331. 54	335. 50	337. 05	*
106	2	751116	1500	50. ON	145. OW	HCP	76 115	WON		44	329. 09	332. 94	334. 49	*
17	2	751123	1500	50. 1N	144. 6W	HCP	76 112	WON		43	328. 01	331. 81	333. 37	*

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
19	2	751123 1500	50. 1N 144. 6W	HCP	76 1 9	WON	43	327. 36	331. 14	332. 70	
20	2	751123 1500	50. 1N 144. 6W	HCP	76 1 9	WON	43	327. 71	331. 49	333. 05	
21	2	751130 1500	50. 0N 144. 9W	HCP	76 1 9	WON	43	327. 68	331. 47	333. 04	
23	2	751130 1500	50. 0N 144. 9W	HCP	76 1 9	WON	43	327. 79	331. 58	333. 15	
24	2	751130 1500	50. 0N 144. 9W	HCP	76 1 9	WON	43	328. 00	331. 80	333. 37	
25	2	7512 7 1500	50. 0N 144. 6W	HCP	76 1 8	WON	42	333. 32	337. 37	338. 95	*
26	2	7512 7 1500	50. 0N 144. 6W	HCP	76 1 8	WON	43	337. 43	341. 71	343. 29	*
27	2	7512 7 1500	50. 0N 144. 6W	HCP	76 1 9	WON	43	344. 17	348. 90	350. 48	*
28	2	7512 7 1500	50. 0N 144. 6W	HCP	76 1 9	WON	43	337. 83	342. 14	343. 72	*
13	2	751215 1400	50. 0N 145. 0W	BLT	76 225	KEE	324 1124	330. 48	334. 52	334. 24	
14	2	751215 1400	50. 0N 145. 0W	BLT	76 225	KEE	324 1124	330. 58	334. 62	334. 34	
57	2	751215 1400	50. 0N 145. 0W	BLT	76 112	WON	44	328. 53	332. 36	333. 95	*
58	2	751215 1400	50. 0N 145. 0W	BLT	76 112	WON	44	328. 49	332. 30	333. 89	*
15	2	751222 1405	50. 0N 145. 0W	BLT	76 225	KEE	325 1124	329. 67	333. 66	333. 38	
16	2	751222 1405	50. 0N 145. 0W	BLT	76 225	KEE	325 1124	329. 67	333. 66	333. 38	
59	2	751222 1405	50. 0N 145. 0W	BLT	76 112	WON	44	327. 29	331. 06	332. 67	*
60	2	751222 1405	50. 0N 145. 0W	BLT	76 112	WON	44	327. 45	331. 23	332. 84	*
17	2	751228 1400	50. 0N 145. 0W	BLT	76 225	KEE	326 1124	331. 21	335. 28	335. 00	
18	2	751228 1400	50. 0N 145. 0W	BLT	76 225	KEE	326 1124	331. 31	335. 39	335. 11	
61	2	751228 1400	50. 0N 145. 0W	BLT	76 113	WON	44	329. 02	332. 86	334. 47	*
62	2	751228 1400	50. 0N 145. 0W	BLT	76 113	WON	44	328. 66	332. 48	334. 09	*
19	2	76 1 4 1400	50. 0N 145. 0W	BLT	76 225	KEE	327 1124	330. 76	334. 81	334. 53	
20	2	76 1 4 1400	50. 0N 145. 0W	BLT	76 225	KEE	327 1124	330. 76	334. 81	334. 53	
63	2	76 1 4 1400	50. 0N 145. 0W	BLT	76 113	WON	44	328. 40	332. 22	333. 84	*
64	2	76 1 4 1400	50. 0N 145. 0W	BLT	76 113	WON	44	328. 56	332. 38	334. 00	*
109	2	76 120 1520	50. 0N 145. 0W	BLB	76 630	KEE	328 1136	328. 30	332. 27	331. 99	
110	2	76 120 1520	50. 0N 145. 0W	BLB	76 630	KEE	328 1136	328. 22	332. 19	331. 91	
111	2	76 125 1515	50. 0N 145. 0W	LB	76 630	KEE	329 1136	330. 42	334. 49	334. 21	*
C3	2	76 125 1515	50. 0N 145. 0W	LB	76 712	WON	1	329. 78	333. 70	335. 35	*
C4	2	76 125 1515	50. 0N 145. 0W	LB	76 713	WON	1	329. 32	333. 22	334. 87	*
113	2	76 2 2 1530	50. 0N 145. 0W	BLB	76 630	KEE	330 1136	331. 53	335. 64	335. 36	
114	2	76 2 2 1530	50. 0N 145. 0W	BLB	76 630	KEE	330 1136	331. 63	335. 75	335. 47	
C5	2	76 2 2 1515	50. 0N 145. 0W	BLB	76 713	WON	1	330. 25	334. 20	335. 86	*
C6	2	76 2 2 1515	50. 0N 145. 0W	BLB	76 713	WON	1	330. 17	334. 11	335. 77	*
115	2	76 2 8 1445	50. 0N 145. 0W	LB	76 630	KEE	331 1136	331. 17	335. 26	334. 98	
116	2	76 2 8 1445	50. 0N 145. 0W	LB	76 630	KEE	331 1136	331. 45	335. 56	335. 28	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
C7	2	76 2 8 1445	50. 0N	145. 0W	LB	76 713	WON		1	329. 77	333. 70	335. 37	*
C8	2	76 2 8 1445	50. 0N	145. 0W	LB	76 713	WON		1	329. 68	333. 60	335. 27	*
117	2	76 215 1215	50. 0N	145. 0W	LB	76 630	KEE	332	1136	329. 59	333. 62	333. 34	
118	2	76 215 1215	50. 0N	145. 0W	LB	76 630	KEE	332	1136	329. 69	333. 72	333. 44	
C9	2	76 215 1215	50. 0N	145. 0W	LB	76 713	WON		1	328. 01	331. 86	333. 54	*
C10	2	76 215 1215	50. 0N	145. 0W	LB	76 714	WON		1	328. 12	331. 97	333. 65	*
119	2	76 216 1225	49. 5N	137. 7W	LB	76 630	KEE	333	1136	331. 63	335. 75	335. 47	*
120	2	76 216 1225	49. 5N	137. 7W	LB	76 630	KEE	333	1136	332. 09	336. 23	335. 95	*
C11	2	76 216 1225	49. 5N	137. 7W	LB	76 714	WON		1	330. 30	334. 26	335. 94	
C12	2	76 216 1225	49. 5N	137. 7W	LB	76 714	WON		1	330. 40	334. 35	336. 03	
205	2	76 229 1400	50. 0N	145. 0W	WG	76 630	KEE	334	1137	334. 50	338. 77	338. 49	*
206	2	76 229 1400	50. 0N	145. 0W	WG	76 630	KEE	334	1137	335. 98	340. 32	340. 04	*
207	2	76 3 7 1400	50. 0N	145. 0W	WG	76 630	KEE	335	1137	329. 46	333. 48	333. 20	
208	2	76 3 7 1400	50. 0N	145. 0W	WG	76 630	KEE	335	1137	329. 64	333. 67	333. 39	
209	2	76 314 1400	50. 0N	145. 0W	WG	76 630	KEE	336	1137	331. 75	335. 87	335. 59	
210	2	76 314 1400	50. 0N	145. 0W	WG	76 630	KEE	336	1137	331. 75	335. 87	335. 59	
211	2	76 322 1400	50. 0N	145. 0W	WG	76 630	KEE	337	1137	333. 31	337. 51	337. 23	
212	2	76 322 1400	50. 0N	145. 0W	WG	76 630	KEE	337	1137	333. 31	337. 51	337. 23	
213	2	76 328 1400	50. 0N	144. 0W	WG	76 630	KEE	338	1137	331. 02	335. 11	334. 83	
214	2	76 328 1400	50. 0N	144. 0W	WG	76 630	KEE	338	1137	330. 84	334. 92	334. 64	
C25	2	76 328 1400	50. 0N	144. 0W	WG	76 714	WON		1	329. 24	333. 15	334. 87	*
C26	2	76 328 1400	50. 0N	144. 0W	WG	76 714	WON		1	329. 15	333. 05	334. 77	*
85	2	76 330 1220	49. 9N	144. 9W	LET	76 630	KEE	339	1137	332. 97	337. 15	336. 87	
86	2	76 330 1220	49. 9N	144. 9W	LET	76 630	KEE	339	1137	332. 97	337. 15	336. 87	
C33	2	76 330 1215	49. 9N	144. 9W	LET	76 7 6	WON		1	331. 78	335. 79	337. 51	*
C49	2	76 330 1215	49. 9N	144. 9W	LET	76 7 6	WON		1	331. 46	335. 45	337. 17	*
87	2	76 4 1 1235	50. 0N	145. 0W	LET	76 630	KEE	340	1137	334. 63	338. 90	338. 62	
88	2	76 4 1 1235	50. 0N	145. 0W	LET	76 630	KEE	340	1137	334. 53	338. 79	338. 51	
89	2	76 4 5 1300	50. 0N	145. 0W	LET	76 630	KEE	341	1137	334. 16	338. 41	338. 13	
90	2	76 4 5 1300	50. 0N	145. 0W	LET	76 630	KEE	341	1137	333. 88	338. 11	337. 83	
91	2	76 4 8 1300	50. 2N	145. 2W	LET	76 630	KEE	342	1138	333. 98	338. 22	337. 94	
92	2	76 4 8 1300	50. 2N	145. 2W	LET	76 630	KEE	342	1138	333. 80	338. 02	337. 74	
93	2	76 411 1230	50. 1N	145. 1W	LET	76 630	KEE	343	1138	334. 71	338. 99	338. 71	
94	2	76 411 1230	50. 1N	145. 1W	LET	76 630	KEE	343	1138	334. 43	338. 69	338. 41	
C50	2	76 411 1230	50. 1N	145. 1W	LET	76 7 7	WON		1	332. 76	336. 83	338. 56	*
C51	2	76 411 1230	50. 1N	145. 1W	LET	76 7 7	WON		1	332. 86	336. 93	338. 66	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
95	2	76 418	1310	50. ON	145. OW	LET	76 630	KEE	344	1138	335. 91	340. 24	339. 96	*
C52	2	76 418	1300	50. ON	145. OW	LET	76 7 7	WON		1	334. 33	338. 46	340. 20	*
96	2	76 427	1200	50. ON	145. OW	LET	76 630	KEE	345	1138	334. 53	338. 79	338. 51	*
C53	2	76 427	1200	50. ON	145. OW	LET	76 7 7	WON		1	332. 84	336. 90	338. 64	*
C54	2	76 5 2	1320	50. ON	145. OW	RR	76 7 7	WON		1	331. 34	335. 33	337. 08	*
C56	2	76 5 9	1315	50. ON	145. OW	LET	76 7 7	WON		1	332. 88	336. 95	338. 70	
C55	2	76 5 9	1330	50. ON	145. OW	PW	76 7 7	WON		1	332. 99	337. 06	338. 81	
37	2	76 517	1500	50. ON	145. OW	LB	76 917	KEE	346	1163	335. 05	339. 36	339. 08	
38	2	76 517	1500	50. ON	145. OW	LB	76 917	KEE	346	1163	335. 14	339. 45	339. 17	
C57	2	76 517	1500	50. ON	145. OW	LB	76 715	WON		1	333. 50	337. 60	339. 35	*
C58	2	76 517	1500	50. ON	145. OW	LB	76 715	WON		1	333. 32	337. 40	339. 15	*
97WON	2	76 523	1500	50. ON	145. OW	LB	76 917	KEE	347	1163	334. 96	339. 26	338. 98	*
98WON	2	76 523	1500	50. ON	145. OW	LB	76 917	KEE	347	1163	334. 42	338. 69	338. 41	*
C59	2	76 523	1500	50. ON	145. OW	LB	76 715	WON		1	332. 62	336. 67	338. 42	
C60	2	76 523	1500	50. ON	145. OW	LB	76 715	WON		1	332. 89	336. 95	338. 70	
41	2	76 530	1500	50. ON	145. OW	LB	76 917	KEE	348	1163	334. 42	338. 69	338. 41	
42	2	76 530	1500	50. ON	145. OW	LB	76 917	KEE	348	1163	334. 15	338. 41	338. 13	
C61	2	76 530	1500	50. ON	145. OW	LB	76 715	WON		1	332. 28	336. 32	338. 08	*
C62	2	76 530	1500	50. ON	145. OW	LB	76 715	WON		1	332. 26	336. 29	338. 05	*
43	2	76 6 6	1500	50. ON	145. OW	LB	76 917	KEE	349	1163	332. 63	336. 81	336. 53	
44	2	76 6 6	1500	50. ON	145. OW	LB	76 917	KEE	349	1163	332. 63	336. 81	336. 53	
C63	2	76 6 6	1500	50. ON	145. OW	LB	76 716	WON		1	331. 05	335. 02	336. 78	*
C64	2	76 6 6	1500	50. ON	145. OW	LB	76 716	WON		1	330. 96	334. 93	336. 69	*
45	2	76 614	1500	50. ON	145. OW	LB	76 917	KEE	350	1163	331. 09	335. 21	334. 93	
46	2	76 614	1500	50. ON	145. OW	LB	76 917	KEE	350	1163	331. 09	335. 21	334. 93	
C67	2	76 614	1500	50. ON	145. OW	LB	76 716	WON		1	329. 41	333. 31	335. 07	*
C68	2	76 614	1500	50. ON	145. OW	LB	76 716	WON		1	329. 46	333. 38	335. 14	*
47	2	76 620	1800	50. ON	145. OW	LB	76 917	KEE	351	1163	331. 46	335. 59	335. 31	
48	2	76 620	1800	50. ON	145. OW	LB	76 917	KEE	351	1163	331. 46	335. 59	335. 31	
C69	2	76 620	0900	50. ON	145. OW	LB	76 716	WON		1	328. 92	332. 81	334. 57	* *
C70	2	76 620	0900	50. ON	145. OW	LB	76 716	WON		1	329. 65	333. 58	335. 34	* *
97	2	76 626	1420	50. ON	145. OW	DS	76 917	KEE	352	1163	330. 74	334. 84	334. 56	
98	2	76 626	1420	50. ON	145. OW	DS	76 917	KEE	352	1163	330. 65	334. 75	334. 47	
73	2	76 626	1420	50. ON	145. OW	DS	76 811	WON		1	329. 41	333. 33	335. 09	*
74	2	76 626	1420	50. ON	145. OW	DS	76 811	WON		1	329. 28	333. 19	334. 95	*
99	2	76 7 4	1410	50. ON	145. OW	DS	76 917	KEE	353	1163	329. 48	333. 53	333. 25	



FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
100	2	76 7 4 1410	50. ON 145. OW	DS	76 917	KEE	353 1163	329. 39	333. 42	333. 14	
75	2	76 7 4 1400	50. ON 145. OW	DS	76 811	WON	1	327. 91	331. 77	333. 53	*
76	2	76 7 4 1400	50. ON 145. OW	DS	76 811	WON	1	328. 23	332. 10	333. 86	*
101	2	76 711 1400	50. ON 145. OW	DS	76 917	KEE	354 1164	327. 60	331. 56	331. 28	
102	2	76 711 1400	50. ON 145. OW	DS	76 917	KEE	354 1164	327. 60	331. 56	331. 28	
77	2	76 711 1400	50. ON 145. OW	DS	76 812	WON	1	326. 04	329. 82	331. 58	*
78	2	76 711 1400	50. ON 145. OW	DS	76 812	WON	1	326. 40	330. 20	331. 96	*
103	2	76 718 1345	50. ON 145. OW	DS	76 917	KEE	355 1164	327. 06	331. 01	330. 73	
104	2	76 718 1345	50. ON 145. OW	DS	76 917	KEE	355 1164	326. 79	330. 73	330. 45	
79	2	76 718 1345	50. ON 145. OW	DS	76 812	WON	1	325. 44	329. 20	330. 96	*
80	2	76 718 1345	50. ON 145. OW	DS	76 812	WON	1	325. 34	329. 10	330. 86	*
105	2	76 725 1345	50. ON 145. OW	DS	76 917	KEE	356 1164	323. 92	327. 76	327. 48	
107	2	76 725 1345	50. ON 145. OW	DS	76 917	KEE	356 1164	324. 27	328. 12	327. 84	
81	2	76 725 1345	50. ON 145. OW	DS	76 812	WON	1	322. 45	326. 13	327. 88	*
82	2	76 725 1345	50. ON 145. OW	DS	76 813	WON	1	322. 68	326. 36	328. 11	*
108	2	76 8 2 1345	50. ON 145. OW	DS	76 917	KEE	357 1164	321. 49	325. 26	324. 98	*
83	2	76 8 2 1345	50. ON 145. OW	DS	76 813	WON	1	319. 94	323. 55	325. 30	
84	2	76 8 2 1345	50. ON 145. OW	DS	76 813	WON	1	319. 78	323. 39	325. 14	
169	2	76 8 8 1500	50. ON 145. OW	BC	7611 4	KEE	358 1170	330. 65	334. 76	334. 48	*
170	2	76 8 8 1500	50. ON 145. OW	BC	7611 4	KEE	358 1170	326. 77	330. 72	330. 44	*
1	2	76 8 8 1500	50. ON 145. OW	BC	761018	WON	1	321. 85	325. 52	327. 27	
2	2	76 8 8 1500	50. ON 145. OW	BC	761018	WON	1	321. 71	325. 38	327. 13	
171	2	76 816 1500	50. ON 145. OW	BC	7611 4	KEE	359 1170	330. 65	334. 76	334. 48	*
172	2	76 816 1500	50. ON 145. OW	BC	7611 4	KEE	359 1170	326. 13	330. 06	329. 78	*
3	2	76 816 1500	50. ON 145. OW	BC	761018	WON	1	318. 43	322. 03	323. 77	
4	2	76 816 1500	50. ON 145. OW	BC	761018	WON	1	318. 54	322. 14	323. 88	
173	2	76 823 1500	50. ON 145. OW	BC	7611 4	KEE	360 1170	319. 25	322. 98	322. 70	*
174	2	76 823 1500	50. ON 145. OW	BC	7611 4	KEE	360 1170	330. 30	334. 39	334. 11	*
5	2	76 823 1500	50. ON 145. OW	BC	761019	WON	1	316. 08	319. 64	321. 38	
6	2	76 823 1500	50. ON 145. OW	BC	761019	WON	1	315. 69	319. 25	320. 99	
175	2	76 830 1500	50. ON 145. OW	BC	7611 4	KEE	361 1170	319. 78	323. 53	323. 25	*
176	2	76 830 1500	50. ON 145. OW	BC	7611 4	KEE	361 1170	324. 68	328. 56	328. 28	*
7	2	76 830 1500	50. ON 145. OW	BC	761019	WON	1	316. 34	319. 90	321. 63	*
8	2	76 830 1500	50. ON 145. OW	BC	761019	WON	1	315. 91	319. 47	321. 20	*
177	2	76 9 6 1500	50. ON 145. OW	BC	7611 4	KEE	362 1170	324. 95	328. 84	328. 56	*
178	2	76 9 6 1500	50. ON 145. OW	BC	7611 4	KEE	362 1170	320. 88	324. 65	324. 37	*

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
9	2	76 9 6 1500	50. 0N 145. 0W	BC	761020	WON	1	317. 67	321. 26	322. 98	
10	2	76 9 6 1500	50. 0N 145. 0W	BC	761020	WON	1	317. 55	321. 14	322. 86	
179	2	76 913 1500	49. 9N 143. 6W	BC	7611 4	KEE	363 1170	342. 89	347. 68	347. 40	*
180	2	76 913 1900	49. 9N 143. 6W	BC	7611 4	KEE	363 1170	322. 60	326. 42	326. 14	*
11	2	76 913 1500	49. 9N 143. 6W	BC	761020	WON	1	319. 59	323. 21	324. 93	
12	2	76 913 1500	49. 9N 143. 6W	BC	761020	WON	1	319. 49	323. 11	324. 83	
289	2	76 919 1200	50. 1N 145. 0W	BW	77 1 5	KEE	364 1181	322. 93	326. 78	326. 50	*
290	2	76 919 1200	50. 1N 145. 0W	BW	77 1 5	KEE	364 1181	323. 83	327. 70	327. 42	*
59	2	76 919 1135	49. 9W 145. 0W	QL	7611 3	WON	1	330. 86	334. 86	336. 57	*
60	2	76 919 1135	49. 9W 145. 0W	QL	7611 3	WON	1	322. 96	326. 67	328. 38	*
57	2	76 919 1200	49. 9N 145. 0W	BW	7611 3	WON	1	320. 77	324. 42	326. 13	
58	2	76 919 1200	49. 9N 145. 0W	BW	7611 3	WON	1	320. 82	324. 48	326. 19	
291	2	76 926 1215	50. 1N 145. 0W	BW	77 1 5	KEE	365 1181	323. 46	327. 33	327. 05	*
292	2	76 926 1215	50. 1N 145. 0W	BW	77 1 5	KEE	365 1181	322. 56	326. 40	326. 12	*
61	2	76 926 1115	50. 1N 145. 0W	QL	7611 5	WON	1	320. 89	324. 55	326. 25	
62	2	76 926 1115	50. 1N 145. 0W	QL	7611 5	WON	1	320. 88	324. 54	326. 24	
63	2	76 926 1200	50. 1N 145. 0W	BW	7611 5	WON	1	320. 99	324. 66	326. 36	
64	2	76 926 1200	50. 1N 145. 0W	BW	7611 5	WON	1	320. 85	324. 51	326. 21	
293	2	7610 3 1200	49. 8N 145. 2W	BW	77 1 5	KEE	366 1181	325. 18	329. 10	328. 82	
294	2	7610 3 1200	49. 8N 145. 2W	BW	77 1 5	KEE	366 1181	325. 27	329. 18	328. 90	
51	2	7610 3 1155	49. 8N 145. 2W	BW	7611 5	WON	1	322. 81	326. 52	328. 22	*
52	2	7610 3 1155	49. 8N 145. 2W	BW	7611 5	WON	1	323. 16	326. 88	328. 58	*
49	2	7610 3 1210	49. 8W 145. 2W	QL	7611 8	WON	1	323. 41	327. 14	328. 84	*
50	2	7610 3 1210	49. 8W 145. 2W	QL	7611 8	WON	1	323. 41	327. 14	328. 84	*
295	2	761010 1220	49. 9N 145. 1W	BW	77 1 5	KEE	367 1181	325. 18	329. 10	328. 82	*
296	2	761010 1220	49. 9N 145. 1W	BW	77 1 5	KEE	367 1181	325. 82	329. 75	329. 47	*
53	2	761010 1215	49. 9N 145. 1W	BW	7611 8	WON	1	323. 32	327. 05	328. 74	
54	2	761010 1215	49. 9N 145. 1W	BW	7611 8	WON	1	323. 33	327. 06	328. 75	
297	2	761017 1215	50. 0N 145. 0W	BW	77 1 5	KEE	368 1181	327. 07	331. 05	330. 77	
298	2	761017 1215	50. 0N 145. 0W	BW	77 1 5	KEE	368 1181	326. 90	330. 87	330. 59	
299	2	761024 1205	50. 0N 144. 3W	BW	77 1 5	KEE	369 1182	328. 89	332. 93	332. 65	
300	2	761024 1205	50. 0N 144. 3W	BW	77 1 5	KEE	369 1182	329. 07	333. 12	332. 84	
109	2	7611 1 1500	50. 0N 145. 0W	BC	77 2 2	KEE	370 1186	327. 69	331. 70	331. 42	
110	2	7611 1 1500	50. 0N 145. 0W	BC	77 2 2	KEE	370 1186	327. 69	331. 70	331. 42	
33	2	7611 1 1500	50. 0N 145. 0W	BC	77 120	WON	1	325. 61	329. 43	331. 08	*
34	2	7611 1 1500	50. 0N 145. 0W	BC	77 120	WON	1	325. 64	329. 46	331. 11	*

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
111	2	7611 8 1500	50.0N	145.0W	BC	77 2 2	KEE	371	1186	327.07	331.06	330.78	
112	2	7611 8 1500	50.0N	145.0W	BC	77 2 2	KEE	371	1186	326.97	330.96	330.68	
37	2	7611 8 1500	50.0N	145.0W	BC	77 120	WON		1	324.85	328.64	330.28	*
38	2	7611 8 1500	50.0N	145.0W	BC	77 121	WON		1	324.88	328.67	330.31	*
113	2	761115 1500	50.0N	145.0W	BC	77 2 2	KEE	372	1186	329.76	333.85	333.57	
114	2	761115 1500	50.0N	145.0W	BC	77 2 2	KEE	372	1186	329.50	333.57	333.29	
39	2	761115 1500	50.0N	145.0W	BC	77 121	WON		1	327.57	331.45	333.08	*
40	2	761115 1500	50.0N	145.0W	BC	77 121	WON		1	327.29	331.16	332.79	*
115	2	761122 1500	49.9N	145.3W	BC	77 2 2	KEE	373	1186	329.31	333.38	333.10	
116	2	761122 1500	49.9N	145.3W	BC	77 2 2	KEE	373	1186	329.59	333.68	333.40	
25	2	761122 1500	49.9N	145.3W	BC	77 121	WON		1	327.32	331.20	332.82	*
26	2	761122 1500	49.9N	145.3W	BC	77 121	WON		1	327.26	331.13	332.75	*
117	2	7612 1 1500	50.0N	145.0W	BC	77 2 2	KEE	374	1186	329.23	333.30	333.02	
118	2	7612 1 1500	50.0N	145.0W	BC	77 2 2	KEE	374	1186	329.05	333.11	332.83	
27	2	7612 1 1500	50.0N	145.0W	BC	77 121	WON		1	327.21	331.08	332.68	*
28	2	7612 1 1500	50.0N	145.0W	BC	77 124	WON		1	327.40	331.28	332.88	*
119	2	7612 6 1500	49.9N	143.5W	BC	77 2 2	KEE	375	1186	327.24	331.23	330.95	
120	2	7612 6 1500	49.9N	143.5W	BC	77 2 2	KEE	375	1186	327.52	331.52	331.24	
29	2	7612 6 1500	49.9N	143.5W	BC	77 124	WON		1	325.88	329.71	331.30	* *
30	2	7612 6 1500	49.9N	143.5W	BC	77 124	WON		1	324.38	328.16	329.75	* *
37	2	761212 1230	50.0N	145.0W	BW	77 315	KEE	376	1195	330.14	334.26	333.98	
38	2	761212 1230	50.0N	145.0W	BW	77 315	KEE	376	1195	330.06	334.17	333.89	
55	2	761212 1200	50.0N	145.0W	BW	77 124	WON		1	328.53	332.46	334.04	*
56	2	761212 1200	50.0N	145.0W	BW	77 124	WON		1	328.21	332.12	333.70	*
49	2	761212 1200	50.0N	145.0W	BW	77 125	WON		1	328.82	332.75	334.33	* *
50	2	761212 1200	50.0N	145.0W	BW	77 125	WON		1	328.24	332.15	333.73	*
39	2	761219 1200	50.0N	145.0W	BW	77 315	KEE	377	1195	330.51	334.64	334.36	
40	2	761219 1200	50.0N	145.0W	BW	77 315	KEE	377	1195	330.41	334.54	334.26	
51	2	761219 1200	50.0N	145.0W	BW	77 125	WON		1	328.65	332.58	334.15	*
52	2	761219 1200	50.0N	145.0W	BW	77 125	WON		1	328.41	332.33	333.90	*
53	2	761219 1200	50.0N	145.0W	BW	77 125	WON		1	328.59	332.52	334.09	*
54	2	761219 1200	50.0N	145.0W	BW	77 125	WON		1	328.69	332.63	334.20	*
41	2	761227 1200	50.0N	145.0W	BW	77 315	KEE	378	1195	332.03	336.23	335.95	*
57	2	761227 1200	49.9N	144.6W	BW	77 126	WON		1	329.63	333.59	335.14	
58	2	761227 1200	49.9N	144.6W	BW	77 126	WON		1	329.68	333.66	335.21	*
59	2	761227 1200	49.9N	144.6W	BW	77 126	WON		1	329.58	333.55	335.10	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
60	2	761227 1200	49.9N 144.6W	BW	77 126	WON		1	329.24	333.19	334.74
44	2	77 1 2 1200	50.0N 145.0W	BW	77 315	KEE	379 1195	1	330.41	334.54	334.26 *
63	2	77 1 2 1200	50.0N 145.0W	BW	77 126	WON		1	328.46	332.38	333.92
64	2	77 1 2 1200	50.0N 145.0W	BW	77 126	WON		1	328.74	332.67	334.21
61	2	77 1 2 1200	50.0N 145.0W	BW	77 127	WON		1	328.57	332.49	334.03
62	2	77 1 2 1200	50.0N 145.0W	BW	77 127	WON		1	328.79	332.73	334.27
45	2	77 1 9 1200	50.0N 145.0W	BW	77 315	KEE	380 1195	1	330.86	335.01	334.73
46	2	77 1 9 1200	50.0N 145.0W	BW	77 315	KEE	380 1195	1	330.51	334.64	334.36
41	2	77 1 9 1200	50.0N 144.3W	BW	77 127	WON		1	328.64	332.57	334.10 * *
42	2	77 1 9 1200	50.0N 144.3W	BW	77 127	WON		1	329.33	333.28	334.81 * *
13	2	77 117 1500	49.8N 144.9W	BC	77 418	KEE	381 1199	1	368.63	375.87	375.59 *
14	2	77 117 1500	49.8N 144.9W	BC	77 418	KEE	381 1199	1	330.53	334.67	334.39 *
17	2	77 117 1500	49.8N 144.9W	BC	77 3 1	WON		1	328.55	332.49	334.00
18	2	77 117 1500	49.8N 144.9W	BC	77 3 1	WON		1	328.49	332.42	333.93
15	2	77 124 1500	50.0N 145.0W	BC	77 418	KEE	382 1199	1	330.26	334.39	334.11
16	2	77 124 1500	50.0N 145.0W	BC	77 418	KEE	382 1199	1	330.18	334.30	334.02
19	2	77 124 1500	50.0N 145.0W	BC	77 3 1	WON		1	328.74	332.67	334.16 *
20	2	77 124 1500	50.0N 145.0W	BC	77 3 1	WON		1	328.65	332.59	334.08 *
17	2	77 131 1500	50.0N 145.0W	BC	77 418	KEE	383 1199	1	362.05	368.53	368.25 *
18	2	77 131 1500	50.0N 145.0W	BC	77 418	KEE	383 1199	1	331.48	335.66	335.38 *
21	2	77 131 1500	50.0N 145.0W	BC	77 3 1	WON		1	329.75	333.73	335.21
22	2	77 131 1500	50.0N 145.0W	BC	77 3 1	WON		1	329.81	333.80	335.28
19	2	77 2 7 1500	50.0N 145.0W	BC	77 418	KEE	384 1199	1	331.74	335.93	335.65
20	2	77 2 7 1500	50.0N 145.0W	BC	77 418	KEE	384 1199	1	331.82	336.02	335.74
23	2	77 2 7 1500	50.0N 145.0W	BC	77 3 2	WON		1	329.76	333.75	335.21 *
24	2	77 2 7 1500	50.0N 145.0W	BC	77 3 2	WON		1	329.90	333.89	335.35 *
205	2	77 220 1200	50.0N 145.0W	BW	77 6 8	KEE	385 1215	1	331.59	335.79	335.51
206	2	77 220 1200	50.0N 145.0W	BW	77 6 8	KEE	385 1215	1	331.51	335.70	335.42
C89	2	77 220 1200	50.0N 145.0W	BW	77 520	WON		1	330.38	334.41	335.84 *
C90	2	77 220 1200	50.0N 145.0W	BW	77 520	WON		1	330.26	334.28	335.71 *
207	2	77 313 1230	50.0N 145.0W	BW	77 6 8	KEE	386 1215	1	333.32	337.60	337.32
208	2	77 313 1230	50.0N 145.0W	BW	77 6 8	KEE	386 1215	1	333.32	337.60	337.32
C91	2	77 313 1230	50.0N 145.0W	BW	77 520	WON		1	331.98	336.07	337.45 *
C92	2	77 313 1230	50.0N 145.0W	BW	77 520	WON		1	331.86	335.95	337.33 *
210	2	77 320 1200	50.0N 145.0W	BW	77 6 8	KEE	387 1215	1	333.32	337.60	337.32
211	2	77 320 1200	50.0N 145.0W	BW	77 6 8	KEE	387 1215	1	333.32	337.60	337.32

FLASK NO.	VOL.	SAMPLE DATE TIME		POSITION LAT LONG		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE
									FIELD	ANAL				
C93	2	77	320 1200	50. ON	145. OW	BW	77 520	WON		1	331. 82	335. 91	337. 28	*
C94	2	77	320 1200	50. ON	145. OW	BW	77 520	WON		1	331. 89	335. 99	337. 36	*
85	2	77	4 4 1500	50. ON	145. OW	BC	77 713	KEE	388	1219	341. 06	345. 77	345. 49	*
86	2	77	4 4 1500	50. ON	145. OW	BC	77 713	KEE	388	1219	331. 29	335. 48	335. 20	*
C9	2	77	4 4 1500	50. ON	145. OW	BC	77 6 1	WON		1	330. 30	334. 32	335. 65	
C10	2	77	4 4 1500	50. ON	145. OW	BC	77 6 1	WON		1	330. 17	334. 19	335. 52	
87	2	77	411 1500	50. ON	145. OW	BC	77 713	KEE	389	1219	335. 39	339. 78	339. 50	
88	2	77	411 1500	50. ON	145. OW	BC	77 713	KEE	389	1219	335. 65	340. 05	339. 77	
C11	2	77	411 1500	50. ON	145. OW	BC	77 6 1	WON		1	334. 20	338. 40	339. 72	*
C12	2	77	411 1500	50. ON	145. OW	BC	77 6 1	WON		1	334. 16	338. 36	339. 68	*
89	2	77	425 1500	50. ON	145. OW	BC	77 713	KEE	390	1219	334. 26	338. 59	338. 31	
90	2	77	425 1500	50. ON	145. OW	BC	77 713	KEE	390	1219	334. 08	338. 40	338. 12	
C13	2	77	425 1500	50. ON	145. OW	BC	77 6 1	WON		1	333. 04	337. 18	338. 47	*
C14	2	77	425 1500	50. ON	145. OW	BC	77 6 3	WON		1	333. 04	337. 19	338. 48	*
91	2	77	5 2 1500	50. ON	145. OW	BC	77 713	KEE	391	1219	335. 21	339. 59	339. 31	*
92	2	77	5 2 1500	50. ON	145. OW	BC	77 713	KEE	391	1219	359. 54	365. 75	365. 47	*
C15	2	77	5 2 1500	50. ON	145. OW	BC	77 6 3	WON		1	334. 11	338. 31	339. 58	
C16	2	77	5 2 1500	50. ON	145. OW	BC	77 6 3	WON		1	333. 98	338. 18	339. 45	
93	2	77	5 9 1500	50. ON	145. OW	BC	77 713	KEE	392	1219	336. 35	340. 78	340. 50	
94	2	77	5 9 1500	50. ON	145. OW	BC	77 713	KEE	392	1219	336. 35	340. 78	340. 50	
C25	2	77	5 9 1500	49. 9N	144. OW	BC	77 6 3	WON		1	334. 26	338. 47	339. 72	*
C26	2	77	5 9 1500	49. 9N	144. OW	BC	77 6 3	WON		1	334. 54	338. 76	340. 01	*
37	2	77	515 1230	50. ON	145. OW	TJ	77 824	KEE	393	1224	334. 31	338. 65	338. 37	
38	2	77	515 1230	50. ON	145. OW	TJ	77 824	KEE	393	1224	334. 57	338. 92	338. 64	
C97	2	77	515 1230	50. ON	145. OW	BW	77 7 8	WON		1	333. 29	337. 45	338. 69	*
C98	2	77	515 1230	50. ON	145. OW	BW	77 712	WON		1	333. 44	337. 61	338. 85	*
39	2	77	522 1200	50. ON	145. OW	TJ	77 824	KEE	394	1224	335. 18	339. 56	339. 28	
40	2	77	522 1200	50. ON	145. OW	TJ	77 824	KEE	394	1224	334. 92	339. 29	339. 01	
C99	2	77	522 1200	50. ON	145. OW	BW	77 712	WON		1	334. 29	338. 51	339. 73	*
C100	2	77	522 1200	50. ON	145. OW	BW	77 712	WON		1	334. 32	338. 54	339. 76	*
41	2	77	529 1215	50. ON	145. OW	BW	77 824	KEE	395	1224	334. 92	339. 29	339. 01	
42	2	77	529 1215	50. ON	145. OW	BW	77 824	KEE	395	1224	335. 09	339. 47	339. 19	
C101	2	77	529 1215	50. ON	145. OW	BW	77 713	WON		1	333. 24	337. 41	338. 62	*
C102	2	77	529 1215	50. ON	145. OW	BW	77 713	WON		1	333. 12	337. 27	338. 48	*
43	2	77	6 5 1200	50. ON	145. OW	TJ	77 824	KEE	396	1224	333. 62	337. 92	337. 64	
44	2	77	6 5 1200	50. ON	145. OW	TJ	77 824	KEE	396	1224	333. 43	337. 73	337. 45	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C103	2	77 6 5 1200	50.0N 145.0W	BW	77 713	WON		1	332.56	336.69	337.88 *
C104	2	77 6 5 1200	50.0N 145.0W	BW	77 713	WON		1	332.61	336.74	337.93 *
45	2	77 612 1200	50.0N 145.0W	TJ	77 824	KEE	397 1224		333.09	337.37	337.09 *
46	2	77 612 1200	50.0N 145.0W	TJ	77 824	KEE	397 1224		332.48	336.74	336.46 *
C145	2	77 612 1200	50.0N 145.0W	BW	77 714	WON		1	331.72	335.82	337.00
C146	2	77 612 1200	50.0N 145.0W	BW	77 714	WON		1	331.51	335.60	336.78
C81	2	77 624 1500	50.0N 145.0W	BC	77 9 6	WON		1	331.40	335.49	336.64
C82	2	77 624 1500	50.0N 145.0W	BC	77 9 6	WON		1	331.68	335.80	336.95
C83	2	77 627 1500	50.0N 145.0W	TM	77 9 6	WON		1	331.36	335.46	336.61 *
C84	2	77 627 1500	50.0N 145.0W	TM	77 9 6	WON		1	330.77	334.85	336.00 *
C85	2	77 7 1 1500	50.0N 145.0W	BC	77 9 7	WON		1	329.71	333.74	334.88
C86	2	77 7 1 1500	50.0N 145.0W	BC	77 9 7	WON		1	329.59	333.62	334.76
C87	2	77 7 8 1500	50.0N 145.0W	BC	77 9 7	WON		1	328.87	332.86	333.98
C88	2	77 7 8 1500	50.0N 145.0W	BC	77 9 7	WON		1	329.13	333.13	334.25
99	2	77 711 1500	50.0N 145.0W	BC	7710 6	KEE	399 1226		328.42	332.53	332.25 *
100	2	77 711 1500	50.0N 145.0W	BC	7710 6	KEE	399 1226		327.90	331.98	331.70 *
C89	2	77 711 1500	50.0N 145.0W	TM	77 9 7	WON		1	327.09	331.03	332.15
C90	2	77 711 1500	50.0N 145.0W	TM	77 9 8	WON		1	327.02	330.95	332.07
C91	2	77 715 1500	50.0N 145.0W	BC	77 9 8	WON		1	327.24	331.18	332.29
C92	2	77 715 1500	50.0N 145.0W	BC	77 9 8	WON		1	327.17	331.11	332.22
101	2	77 718 1500	50.0N 145.0W	BC	7710 6	KEE	400 1226		326.85	330.90	330.62 *
102	2	77 718 1500	50.0N 145.0W	BC	7710 6	KEE	400 1226		325.82	329.83	329.55 *
C93	2	77 718 1500	50.0N 145.0W	TM	77 9 8	WON		1	326.30	330.21	331.31 *
C94	2	77 718 1500	50.0N 145.0W	TM	77 9 8	WON		1	328.10	332.06	333.16 *
C95	2	77 722 1500	50.0N 145.0W	BC	77 9 9	WON		1	321.80	325.58	326.68
C96	2	77 722 1500	50.0N 145.0W	BC	77 9 9	WON		1	322.06	325.85	326.95
103	2	77 725 1500	50.0N 145.0W	BC	7710 6	KEE	401 1226		324.43	328.40	328.12
104	2	77 725 1500	50.0N 145.0W	BC	7710 6	KEE	401 1226		324.51	328.49	328.21
C57	2	77 725 1500	50.0N 145.0W	TM	77 9 9	WON		1	323.83	327.67	328.76 *
C58	2	77 725 1500	50.0N 145.0W	TM	77 9 9	WON		1	323.76	327.60	328.69 *
C59	2	77 729 1500	50.0N 145.0W	BC	77 9 9	WON		1	327.62	331.57	332.65 &
C60	2	77 729 1500	50.0N 145.0W	BC	77 919	WON		1	327.39	331.34	332.42 &
105	2	77 8 1 1500	50.0N 145.0W	BC	7710 6	KEE	402 1226		320.77	324.66	324.38
106	2	77 8 1 1500	50.0N 145.0W	BC	7710 6	KEE	402 1226		320.77	324.66	324.38
C61	2	77 8 1 1500	49.9N 143.9W	TM	77 919	WON		1	318.94	322.67	323.75 *
C62	2	77 8 1 1500	49.9N 143.9W	TM	77 919	WON		1	319.09	322.83	323.91 *

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C17	2	77 8 3 1200	50. ON 145. OW	TJ	77 927	WON		1	327. 40	331. 35	332. 42 &
C18	2	77 8 3 1200	50. ON 145. OW	TJ	77 927	WON		1	327. 65	331. 61	332. 68 &
109	2	77 8 7 1300	50. ON 145. OW	TJ	771021	KEE	403 1231		325. 56	329. 57	329. 29 *
110	2	77 8 7 1300	50. ON 145. OW	TJ	771021	KEE	403 1231		324. 95	328. 95	328. 67 *
C19	2	77 8 7 1300	50. ON 145. OW	TJ	77 927	WON		1	323. 50	327. 33	328. 40
C20	2	77 8 7 1300	50. ON 145. OW	TJ	77 927	WON		1	323. 54	327. 38	328. 45
C21	2	77 811 1300	50. ON 145. OW	TJ	77 927	WON		1	321. 02	324. 80	325. 86
C22	2	77 811 1300	50. ON 145. OW	TJ	77 928	WON		1	320. 85	324. 62	325. 68
111	2	77 814 1300	50. ON 145. OW	TJ	771021	KEE	404 1231		322. 77	326. 71	326. 43 *
112	2	77 814 1300	50. ON 145. OW	TJ	771021	KEE	404 1231		324. 43	328. 41	328. 13 *
C23	2	77 814 1300	50. ON 145. OW	TJ	77 928	WON		1	322. 33	326. 15	327. 20 *
C24	2	77 814 1300	50. ON 145. OW	TJ	77 928	WON		1	320. 96	324. 74	325. 79 *
C97	2	77 817 1300	50. ON 145. OW	TJ	77 928	WON		1	323. 08	326. 90	327. 95
C98	2	77 817 1300	50. ON 145. OW	TJ	77 928	WON		1	323. 00	326. 83	327. 88
113	2	77 821 1230	50. ON 145. OW	TJ	771021	KEE	405 1231		326. 86	330. 92	330. 64 &
114	2	77 821 1230	50. ON 145. OW	TJ	771021	KEE	405 1231		327. 21	331. 27	330. 99 &
C99	2	77 821 1230	50. ON 145. OW	TJ	77 929	WON		1	325. 77	329. 67	330. 71 & *
C100	2	77 821 1230	50. ON 145. OW	TJ	77 929	WON		1	325. 84	329. 74	330. 78 & *
C101	2	77 825 1230	50. ON 145. OW	TJ	77 929	WON		1	322. 49	326. 30	327. 33
C102	2	77 825 1230	50. ON 145. OW	TJ	77 929	WON		1	322. 42	326. 23	327. 26
115	2	77 828 1300	50. ON 145. OW	TJ	771021	KEE	406 1231		321. 99	325. 91	325. 63 *
116	2	77 828 1300	50. ON 145. OW	TJ	771021	KEE	406 1231		321. 56	325. 47	325. 19 *
C103	2	77 828 1300	50. ON 145. OW	TJ	77 929	WON		1	320. 88	324. 65	325. 68
C104	2	77 828 1300	50. ON 145. OW	TJ	77 930	WON		1	320. 75	324. 52	325. 55
C25	2	77 9 1 1300	50. ON 145. OW	TJ	77 930	WON		1	322. 15	325. 96	326. 98
C26	2	77 9 1 1300	50. ON 145. OW	TJ	77 930	WON		1	322. 25	326. 05	327. 07
117	2	77 9 4 1300	50. ON 145. OW	TJ	771021	KEE	407 1231		321. 82	325. 73	325. 45
118	2	77 9 4 1300	50. ON 145. OW	TJ	771021	KEE	407 1231		322. 17	326. 10	325. 82
C27	2	77 9 4 1300	50. ON 145. OW	TJ	77 930	WON		1	321. 74	325. 53	326. 55 * *
C28	2	77 9 4 1300	50. ON 145. OW	TJ	7710 3	WON		1	321. 08	324. 86	325. 88 * *
C31	2	77 9 9 1330	50. ON 145. OW	TJ	7710 3	WON		1	322. 37	326. 18	327. 19
C32	2	77 9 9 1330	50. ON 145. OW	TJ	7710 3	WON		1	322. 28	326. 08	327. 09
119	2	77 910 1230	50. ON 145. OW	TJ	771021	KEE	408 1231		324. 78	328. 77	328. 49
120	2	77 910 1230	50. ON 145. OW	TJ	771021	KEE	408 1231		325. 12	329. 12	328. 84
C29	2	77 910 1230	50. ON 145. OW	TJ	7710 3	WON		1	323. 48	327. 32	328. 33 *
C30	2	77 910 1230	50. ON 145. OW	TJ	7710 3	WON		1	323. 57	327. 40	328. 41 *

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
C41	2	77 914	1530	50. ON	145. OW	CJ	771123	WON		1	323. 54	327. 40	328. 40	*
C42	2	77 914	1530	50. ON	145. OW	CJ	771124	WON		1	322. 96	326. 80	327. 80	*
C43	2	77 918	1515	50. ON	145. OW	CJ	771124	WON		1	323. 49	327. 33	328. 33	
C44	2	77 918	1515	50. ON	145. OW	CJ	771124	WON		1	323. 55	327. 40	328. 40	
C45	2	77 922	1205	50. ON	145. OW	CJ	771124	WON		1	325. 15	329. 05	330. 04	
C46	2	77 922	1205	50. ON	145. OW	CJ	771124	WON		1	324. 98	328. 87	329. 86	
C47	2	77 926	1500	50. ON	145. OW	CJ	771124	WON		1	325. 66	329. 57	330. 56	
C48	2	77 926	1500	50. ON	145. OW	CJ	771124	WON		1	325. 71	329. 63	330. 62	
C49	2	77 928	1510	50. ON	145. OW	CJ	771124	WON		1	325. 96	329. 89	330. 87	&
C50	2	77 928	1510	50. ON	145. OW	CJ	771124	WON		1	326. 12	330. 04	331. 02	&
C51	2	7710 2	1500	50. ON	145. OW	CJ	771125	WON		1	326. 33	330. 27	331. 25	
C52	2	7710 2	1500	50. ON	145. OW	CJ	771125	WON		1	326. 23	330. 15	331. 13	
C53	2	7710 5	1500	50. ON	145. OW	CJ	771125	WON		1	325. 56	329. 47	330. 45	
C54	2	7710 5	1500	50. ON	145. OW	CJ	771125	WON		1	325. 68	329. 59	330. 57	
C55	2	7710 9	1505	50. ON	145. OW	CJ	771125	WON		1	326. 60	330. 54	331. 51	
C56	2	7710 9	1505	50. ON	145. OW	CJ	771125	WON		1	326. 49	330. 42	331. 39	
C81	2	771012	1500	50. ON	145. OW	CJ	771125	WON		1	327. 57	331. 54	332. 51	
C82	2	771012	1500	50. ON	145. OW	CJ	771125	WON		1	327. 71	331. 68	332. 65	
C83	2	771017	1500	50. ON	145. OW	CJ	771125	WON		1	327. 12	331. 08	332. 04	
C84	2	771017	1500	50. ON	145. OW	CJ	771128	WON		1	327. 02	330. 97	331. 93	
C86	2	771019	1500	50. ON	145. OW	CJ	771128	WON		1	329. 31	333. 34	334. 30	*
C87	2	771023	1200	50. ON	145. OW	CJ	771128	WON		1	327. 50	331. 47	332. 42	
C88	2	771023	1200	50. ON	145. OW	CJ	771128	WON		1	327. 57	331. 54	332. 49	
C65	2	771026	1300	50. ON	145. OW	TJ	771221	WON		1	336. 30	340. 64	341. 59	*
C66	2	771026	1300	50. ON	145. OW	TJ	771221	WON		1	338. 78	343. 26	344. 21	*
37	2	7711 2	1200	50. ON	145. OW	TJ	78 518	KEE	409	1277	331. 24	335. 51	335. 23	
38	2	7711 2	1200	50. ON	145. OW	TJ	78 518	KEE	409	1277	331. 24	335. 51	335. 23	
C67	2	7711 2	1200	50. ON	145. OW	TJ	771221	WON		1	330. 18	334. 25	335. 20	*
C68	2	7711 2	1200	50. ON	145. OW	TJ	771221	WON		1	330. 11	334. 18	335. 13	*
1	5	7711 2	1200	50. ON	145. OW	TJ	771222	WON		1	330. 74	334. 83	335. 87	#
39	2	7711 6	1400	50. ON	145. OW	TJ	78 518	KEE	410	1277	336. 63	341. 14	340. 86	*
40	2	7711 6	1400	50. ON	145. OW	TJ	78 518	KEE	410	1277	333. 07	337. 42	337. 14	*
C69	2	7711 6	1400	50. ON	145. OW	TJ	771221	WON		1	335. 32	339. 61	340. 55	*
C70	2	7711 6	1400	50. ON	145. OW	TJ	771221	WON		1	335. 73	340. 05	340. 99	*
2	5	7711 6	1400	50. ON	145. OW	TJ	771222	WON		1	336. 30	340. 65	341. 68	#
C71	2	7711 9	1200	50. ON	145. OW	TJ	771221	WON		1	329. 58	333. 64	334. 58	*



FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE
		DATE	TIME	LAT	LONG				FIELD	ANAL				
C97	2	7711	9	1200	50. ON 145. OW	TJ	771222	WON		1	330. 38	334. 46	335. 40	*
41	2	771114	1200	50. ON 145. OW	TJ	78 518	KEE	411	1277		343. 30	348. 21	347. 93	*
42	2	771114	1200	50. ON 145. OW	TJ	78 518	KEE	411	1277		336. 91	341. 44	341. 16	*
C99	2	771114	1200	50. ON 145. OW	TJ	771222	WON			1	333. 39	337. 60	338. 54	*
C100	2	771114	1200	50. ON 145. OW	TJ	771222	WON			1	337. 68	342. 10	343. 04	*
3	5	771114	1200	50. ON 145. OW	TJ	771222	WON			1	339. 49	344. 01	345. 04	#
C101	2	771117	1200	50. ON 145. OW	TJ	771222	WON			1	345. 83	350. 76	351. 69	*
C102	2	771117	1200	50. ON 145. OW	TJ	771222	WON			1	426. 03	443. 51	444. 44	*
43	2	771120	1300	50. ON 145. OW	TJ	78 518	KEE	412	1277		331. 87	336. 17	335. 89	
44	2	771120	1300	50. ON 145. OW	TJ	78 518	KEE	412	1277		331. 79	336. 08	335. 80	
C103	2	771120	1300	50. ON 145. OW	TJ	771223	WON			1	331. 06	335. 17	336. 10	*
C104	2	771120	1300	50. ON 145. OW	TJ	771223	WON			1	331. 26	335. 38	336. 31	*
4	5	771120	1300	50. ON 145. OW	TJ	771222	WON			1	331. 24	335. 36	336. 38	
C17	2	771124	1300	50. ON 145. OW	TJ	771223	WON			1	330. 51	334. 60	335. 53	
C18	2	771124	1300	50. ON 145. OW	TJ	771223	WON			1	330. 49	334. 58	335. 51	
45	2	771128	1230	50. ON 145. OW	TJ	78 518	KEE	413	1277		331. 42	335. 70	335. 42	*
46	2	771128	1230	50. ON 145. OW	TJ	78 518	KEE	413	1277		332. 06	336. 36	336. 08	*
C19	2	771128	1230	50. ON 145. OW	TJ	771223	WON			1	330. 61	334. 71	335. 64	*
C20	2	771128	1230	50. ON 145. OW	TJ	771223	WON			1	331. 01	335. 12	336. 05	*
5	5	771128	1230	50. ON 145. OW	TJ	771222	WON			1	330. 86	334. 96	335. 98	
C21	2	7712	1	1200	50. ON 145. OW	TJ	771223	WON		1	330. 74	334. 84	335. 77	
C22	2	7712	1	1200	50. ON 145. OW	TJ	771223	WON		1	330. 70	334. 79	335. 72	
47	2	7712	4	0900	50. ON 145. OW	TJ	78 518	KEE	414	1277	331. 97	336. 27	335. 99	
48	2	7712	4	0900	50. ON 145. OW	TJ	78 518	KEE	414	1277	331. 97	336. 27	335. 99	
C23	2	7712	4	0900	50. ON 145. OW	TJ	771223	WON		1	331. 04	335. 14	336. 06	*
C24	2	7712	4	0900	50. ON 145. OW	TJ	771223	WON		1	330. 98	335. 08	336. 00	*
C41	2	7712	7	1500	50. ON 145. OW	CJ	78 321	WON		1	331. 14	335. 28	336. 20	
C42	2	7712	7	1500	50. ON 145. OW	CJ	78 321	WON		1	331. 13	335. 27	336. 19	
W-1	5	771211	1500	50. ON 145. OW	CJ	78 615	KEE	437	1297		332. 06	336. 38	336. 38	
C43	2	771211	1500	50. ON 145. OW	CJ	78 321	WON			1	331. 29	335. 43	336. 35	
C44	2	771211	1500	50. ON 145. OW	CJ	78 321	WON			1	331. 27	335. 42	336. 34	
169	2	771212	1500	50. ON 145. OW	CJ	78 518	KEE	415	1278		334. 30	338. 70	338. 42	*
170	2	771212	1500	50. ON 145. OW	CJ	78 518	KEE	415	1278		333. 48	337. 85	337. 57	*
C45	2	771214	1500	50. ON 145. OW	CJ	78 323	WON			1	331. 80	335. 96	336. 88	
C46	2	771214	1500	50. ON 145. OW	CJ	78 323	WON			1	331. 71	335. 88	336. 80	
C47	2	771218	1500	50. ON 145. OW	CJ	78 323	WON			1	331. 29	335. 43	336. 35	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C48	2	771218 1500	50. ON 145. OW	CJ	78 323	WON	1	331. 29	335. 43	336. 35	
171	2	771219 1520	50. ON 145. OW	CJ	78 518	KEE	416 1278	332. 65	336. 99	336. 71	
173	2	771219 1525	50. ON 145. OW	CJ	78 518	KEE	417 1278	332. 75	337. 09	336. 81	
174	2	771219 1525	50. ON 145. OW	CJ	78 518	KEE	417 1278	333. 02	337. 37	337. 09	
C57	2	771221 1500	50. ON 145. OW	CJ	78 328	WON	1	332. 13	336. 30	337. 22	
C58	2	771221 1500	50. ON 145. OW	CJ	78 328	WON	1	332. 08	336. 26	337. 18	
C59	2	771225 1500	50. ON 145. OW	CJ	78 328	WON	1	330. 99	335. 13	336. 05	
C60	2	771225 1500	50. ON 145. OW	CJ	78 328	WON	1	331. 02	335. 15	336. 07	
175	2	771226 1500	50. ON 145. OW	CJ	78 518	KEE	418 1278	332. 20	336. 52	336. 24	
176	2	771226 1500	50. ON 145. OW	CJ	78 518	KEE	418 1278	331. 92	336. 22	335. 94	
W-3	5	771226 1500	50. ON 145. OW	CJ	78 615	KEE	439 1297	331. 65	335. 95	335. 95	
C61	2	771228 1500	50. ON 145. OW	CJ	78 328	WON	1	331. 47	335. 63	336. 55	
C62	2	771228 1500	50. ON 145. OW	CJ	78 328	WON	1	331. 42	335. 57	336. 49	
W-4	5	78 1 1 1500	50. ON 145. OW	CJ	78 615	KEE	440 1297	332. 11	336. 43	336. 43	
C63	2	78 1 1 1500	50. ON 145. OW	CJ	78 4 3	WON	1	331. 33	335. 48	336. 40	
C64	2	78 1 1 1500	50. ON 145. OW	CJ	78 4 3	WON	1	331. 35	335. 49	336. 41	
177	2	78 1 2 1500	50. ON 145. OW	CJ	78 518	KEE	419 1278	333. 02	337. 37	337. 09	
178	2	78 1 2 1500	50. ON 145. OW	CJ	78 518	KEE	419 1278	332. 84	337. 18	336. 90	
C145	2	78 1 4 1500	50. ON 145. OW	CJ	78 4 3	WON	1	332. 24	336. 43	337. 35	
C146	2	78 1 4 1500	50. ON 145. OW	CJ	78 4 3	WON	1	332. 26	336. 45	337. 37	
W-5	5	78 1 7 0900	50. ON 145. OW	CJ	78 615	KEE	441 1297	332. 47	336. 80	336. 80	
C147	2	78 1 7 0900	49. 5N 144. 5W	CJ	78 4 3	WON	1	331. 65	335. 82	336. 74	
C148	2	78 1 7 0900	49. 5N 144. 5W	CJ	78 4 4	WON	1	331. 73	335. 89	336. 81	
179	2	78 1 8 0900	50. ON 145. OW	CJ	78 518	KEE	420 1278	333. 65	338. 03	337. 75	
180	2	78 1 8 0900	50. ON 145. OW	CJ	78 518	KEE	420 1278	333. 38	337. 75	337. 47	
C51	2	78 113 1500	50. ON 145. OW	BC	78 4 4	WON	1	331. 67	335. 83	336. 75	
C52	2	78 113 1500	50. ON 145. OW	BC	78 4 4	WON	1	331. 72	335. 89	336. 81	
109	2	78 116 1500	50. ON 145. OW	BC	78 614	KEE	426 1295	335. 67	340. 16	339. 88	*
110	2	78 116 1500	50. ON 145. OW	BC	78 614	KEE	426 1295	334. 21	338. 62	338. 34	*
W-6	5	78 116 1500	50. ON 145. OW	BC	78 615	KEE	442 1298	334. 11	338. 52	338. 52	
C53	2	78 116 1500	50. ON 145. OW	BC	78 4 4	WON	1	333. 33	337. 56	338. 48	
C54	2	78 116 1500	50. ON 145. OW	BC	78 4 5	WON	1	333. 33	337. 57	338. 49	
C65	2	78 120 1500	50. ON 145. OW	BC	78 4 5	WON	1	332. 91	337. 12	338. 04	
C66	2	78 120 1500	50. ON 145. OW	BC	78 4 5	WON	1	333. 01	337. 23	338. 15	
111	2	78 123 1500	50. ON 145. OW	BC	78 614	KEE	427 1295	332. 75	337. 10	336. 82	*
W-7	5	78 123 1500	50. ON 145. OW	BC	78 615	KEE	443 1298	331. 25	335. 54	335. 54	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
C67	2	78	123	1500	50. ON 145. OW	BC	78 4 5	WON		1	330. 44	334. 55	335. 47	
C68	2	78	123	1500	50. ON 145. OW	BC	78 4 5	WON		1	330. 40	334. 51	335. 43	
C69	2	78	127	1500	50. ON 145. OW	BC	78 4 6	WON		1	331. 62	335. 77	336. 69	
C70	2	78	127	1500	50. ON 145. OW	BC	78 4 6	WON		1	331. 52	335. 67	336. 59	
113	2	78	130	1500	50. ON 145. OW	BC	78 614	KEE	428	1295	333. 75	338. 14	337. 86	
114	2	78	130	1500	50. ON 145. OW	BC	78 614	KEE	428	1295	333. 85	338. 24	337. 96	
W-8	5	78	130	1500	50. ON 145. OW	BC	78 615	KEE	444	1298	333. 30	337. 67	337. 67	
C71	2	78	130	1500	50. ON 145. OW	BC	78 4 6	WON		1	332. 76	336. 96	337. 89	*
C72	2	78	130	1500	50. ON 145. OW	BC	78 4 6	WON		1	332. 63	336. 83	337. 76	*
C129	2	78	2 3	1500	50. ON 145. OW	BC	78 4 6	WON		1	332. 98	337. 20	338. 13	
C130	2	78	2 3	1500	50. ON 145. OW	BC	78 4 6	WON		1	332. 94	337. 15	338. 08	
115	2	78	2 6	1500	50. ON 145. OW	BC	78 614	KEE	429	1295	334. 21	338. 62	338. 34	*
116	2	78	2 6	1500	50. ON 145. OW	BC	78 614	KEE	429	1295	335. 67	340. 16	339. 88	*
W-9	5	78	2 6	1500	50. ON 145. OW	BC	78 615	KEE	445	1298	333. 38	337. 76	337. 76	
C131	2	78	2 6	1500	50. ON 145. OW	BC	78 4 7	WON		1	332. 56	336. 76	337. 69	
C132	2	78	2 6	1500	50. ON 145. OW	BC	78 4 7	WON		1	332. 57	336. 77	337. 70	
C133	2	78	210	1500	50. ON 145. OW	BC	78 4 7	WON		1	332. 56	336. 76	337. 69	
C134	2	78	210	1500	50. ON 145. OW	BC	78 4 7	WON		1	332. 58	336. 79	337. 72	
117	2	78	213	1500	50. ON 145. OW	BC	78 614	KEE	430	1295	333. 57	337. 95	337. 67	
118	2	78	213	1500	50. ON 145. OW	BC	78 614	KEE	430	1295	333. 66	338. 05	337. 77	
W-10	5	78	213	1500	50. ON 145. OW	BC	78 615	KEE	446	1298	333. 60	337. 99	337. 99	
C135	2	78	213	1500	49. 9N 143. 7W	BC	78 4 7	WON		1	332. 76	336. 97	337. 90	*
C136	2	78	213	1500	49. 9N 143. 7W	BC	78 410	WON		1	332. 74	336. 94	337. 87	*
X-14	2	78	219	1225	49. 8N 144. 8W	BW	78 519	KEE	421	1279	333. 92	338. 31	338. 03	*
W-11	5	78	219	1225	50. ON 145. OW	BW	78 616	KEE	447	1299	334. 00	338. 40	338. 40	
C89	2	78	219	1225	49. 8N 144. 8W	BW	78 412	WON		1	333. 21	337. 44	338. 38	
C90	2	78	219	1225	49. 8N 144. 8W	BW	78 412	WON		1	333. 25	337. 49	338. 43	
1	5	78	219	1225	49. 8N 144. 8W	BW	78 5 2	WON		1	333. 27	337. 51	338. 54	*
C91	2	78	222	1200	50. ON 145. OW	BW	78 412	WON		1	333. 06	337. 29	338. 23	
C92	2	78	222	1200	50. ON 145. OW	BW	78 412	WON		1	333. 08	337. 30	338. 24	
99	2	78	227	1210	50. ON 145. OW	BW	78 519	KEE	422	1279	333. 65	338. 03	337. 75	
100	2	78	227	1210	50. ON 145. OW	BW	78 519	KEE	422	1279	333. 55	337. 93	337. 65	
W-12	5	78	227	1210	50. ON 145. OW	BW	78 616	KEE	448	1299	333. 54	337. 92	337. 92	
C93	2	78	227	1210	50. ON 145. OW	BW	78 412	WON		1	332. 95	337. 18	338. 13	*
C94	2	78	227	1210	50. ON 145. OW	BW	78 412	WON		1	332. 74	336. 96	337. 91	*
2	5	78	227	1210	50. ON 145. OW	BW	78 5 2	WON		1	332. 79	337. 01	338. 05	*

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C95	2	78 3 2 1200	50. ON 145. OW	BW	78 413	WON	1	333. 08	337. 31	338. 26	
C96	2	78 3 2 1200	50. ON 145. OW	BW	78 413	WON	1	333. 15	337. 38	338. 33	
101	2	78 3 5 1530	50. ON 145. OW	BW	78 519	KEE	423 1279	334. 47	338. 88	338. 60	*
W-13	5	78 3 5 1530	50. ON 145. OW	BW	78 616	KEE	449 1299	334. 14	338. 55	338. 55	
C25	2	78 3 5 1530	50. ON 145. OW	BW	78 413	WON	1	333. 44	337. 68	338. 63	
C26	2	78 3 5 1530	50. ON 145. OW	BW	78 413	WON	1	333. 39	337. 64	338. 59	
3	5	78 3 5 1530	50. ON 145. OW	BW	78 5 2	WON	1	333. 49	337. 74	338. 78	*
C27	2	78 3 9 1230	50. OW 144. 9W	BW	78 413	WON	1	333. 83	338. 09	339. 05	
C28	2	78 3 9 1230	50. OW 144. 9W	BW	78 413	WON	1	333. 86	338. 12	339. 08	
103	2	78 312 1200	50. ON 145. 1W	BW	78 519	KEE	424 1279	335. 38	339. 84	339. 56	
104	2	78 312 1200	50. ON 145. 1W	BW	78 519	KEE	424 1279	335. 20	339. 65	339. 37	
W-14	5	78 312 1200	50. ON 145. OW	BW	78 616	KEE	450 1299	335. 09	339. 54	339. 54	
C31	2	78 312 1200	50. ON 145. 1W	BW	78 414	WON	1	334. 32	338. 60	339. 56	*
C32	2	78 312 1200	50. ON 145. 1W	BW	78 414	WON	1	334. 27	338. 55	339. 51	*
4	5	78 312 1200	50. ON 145. 1W	BW	78 5 2	WON	1	334. 33	338. 62	339. 67	*
C29	2	78 315 1200	50. ON 145. OW	BW	78 414	WON	1	334. 31	338. 59	339. 56	
C30	2	78 315 1200	50. ON 145. OW	BW	78 414	WON	1	334. 26	338. 54	339. 51	
105	2	78 319 1200	50. ON 144. 9W	BW	78 519	KEE	425 1279	335. 11	339. 56	339. 28	*
106	2	78 319 1200	50. ON 144. 9W	BW	78 519	KEE	425 1279	335. 66	340. 13	339. 85	*
W-15	5	78 319 1200	50. ON 145. OW	BW	78 616	KEE	451 1299	334. 90	339. 35	339. 35	
A265	2	78 319 1200	50. ON 144. 9W	BW	78 414	WON	1	334. 31	338. 59	339. 56	
A266	2	78 319 1200	50. ON 144. 9W	BW	78 417	WON	1	334. 32	338. 60	339. 57	
5	5	78 319 1200	50. ON 144. 9W	BW	78 5 2	WON	1	334. 22	338. 50	339. 56	*
A267	2	78 323 1200	50. ON 145. OW	BW	78 417	WON	1	333. 88	338. 15	339. 12	
A268	2	78 323 1200	50. ON 145. OW	BW	78 417	WON	1	333. 88	338. 14	339. 11	
C17	2	78 329 1230	50. ON 145. OW	TJ	78 712	WON	1	334. 56	338. 88	339. 86	
C18	2	78 329 1230	50. ON 145. OW	TJ	78 712	WON	1	334. 58	338. 90	339. 88	
289	2	78 4 2 1200	50. ON 145. OW	TJ	78 614	KEE	431 1295	359. 43	365. 64	365. 36	*
290	2	78 4 2 1200	50. ON 145. OW	TJ	78 614	KEE	431 1295	368. 38	375. 56	375. 28	*
W3-1	5	78 4 2 1200	50. ON 145. OW	TJ	7811 9	KEE	477 1349	336. 88	341. 46	341. 46	
C19	2	78 4 2 1200	50. ON 145. OW	TJ	78 712	WON	1	335. 62	339. 99	340. 97	
C20	2	78 4 2 1200	50. ON 145. OW	TJ	78 712	WON	1	335. 58	339. 95	340. 93	
1	5	78 4 2 1200	50. ON 145. OW	TJ	78 718	WON	1	335. 87	340. 25	341. 32	*
C21	2	78 4 5 1200	50. ON 145. OW	TJ	78 713	WON	1	335. 50	339. 87	340. 85	
C22	2	78 4 5 1200	50. ON 145. OW	TJ	78 713	WON	1	335. 42	339. 78	340. 76	
291	2	78 4 9 1300	50. ON 145. OW	TJ	78 614	KEE	432 1295	355. 50	361. 35	361. 07	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
292	2	78 4 9	1300	50. ON	145. OW	TJ	78 614	KEE	432	1296	336. 77	341. 31	341. 03	*
W3-2	5	78 4 9	1300	50. ON	145. OW	TJ	7811 9	KEE	478	1349	335. 96	340. 50	340. 50	
C23	2	78 4 9	1300	50. ON	145. OW	TJ	78 713	WON		1	335. 06	339. 40	340. 38	
C24	2	78 4 9	1300	50. ON	145. OW	TJ	78 713	WON		1	335. 08	339. 43	340. 41	
	2	78 4 9	1300	50. ON	145. OW	TJ	78 718	WON		1	334. 96	339. 32	340. 39	*
C5	2	78 412	1230	50. ON	145. OW	TJ	78 713	WON		1	334. 18	338. 49	339. 47	
C6	2	78 412	1230	50. ON	145. OW	TJ	78 713	WON		1	334. 52	338. 84	339. 82	
293	2	78 416	1230	50. ON	145. OW	TJ	78 615	KEE	433	1297	336. 70	341. 23	340. 95	*
294	2	78 416	1230	50. ON	145. OW	TJ	78 615	KEE	433	1297	359. 22	365. 42	365. 14	*
W3-3	5	78 416	1230	50. ON	145. OW	TJ	7811 9	KEE	479	1349	336. 19	340. 74	340. 74	
C7	2	78 416	1230	50. ON	145. OW	TJ	78 714	WON		1	335. 45	339. 81	340. 78	
C8	2	78 416	1230	50. ON	145. OW	TJ	78 714	WON		1	335. 28	339. 64	340. 61	
	3	78 416	1230	50. ON	145. OW	TJ	78 718	WON		1	335. 58	339. 95	341. 01	*
C1	2	78 420	1230	50. ON	145. OW	TJ	78 714	WON		1	342. 36	347. 10	348. 07	*
C2	2	78 420	1230	50. ON	145. OW	TJ	78 714	WON		1	354. 01	359. 61	360. 58	*
295	2	78 423	1200	50. ON	145. OW	TJ	78 615	KEE	434	1297	337. 78	342. 37	342. 09	#
296	2	78 423	1200	50. ON	145. OW	TJ	78 615	KEE	434	1297	337. 60	342. 18	341. 90	#
W3-4	5	78 423	1200	50. ON	145. OW	TJ	781110	KEE	480	1350	336. 68	341. 25	341. 25	
C3	2	78 423	1200	50. ON	145. OW	TJ	78 714	WON		1	335. 72	340. 10	341. 06	
C4	2	78 423	1200	50. ON	145. OW	TJ	78 717	WON		1	335. 79	340. 17	341. 13	
	4	78 423	1200	50. ON	145. OW	TJ	78 719	WON		1	335. 68	340. 06	341. 11	*
C137	2	78 427	1200	50. ON	145. OW	TJ	78 717	WON		1	336. 39	340. 80	341. 75	
C138	2	78 427	1200	50. ON	145. OW	TJ	78 717	WON		1	336. 39	340. 80	341. 75	
297	2	78 430	1230	50. ON	145. OW	TJ	78 615	KEE	435	1297	337. 88	342. 47	342. 19	*
298	2	78 430	1230	50. ON	145. OW	TJ	78 615	KEE	435	1297	338. 70	343. 33	343. 05	*
W3-5	5	78 430	1230	50. ON	145. OW	TJ	781110	KEE	481	1350	336. 68	341. 25	341. 25	
C139	2	78 430	1230	50. ON	145. OW	TJ	78 717	WON		1	336. 08	340. 48	341. 43	
C140	2	78 430	1230	50. ON	145. OW	TJ	78 717	WON		1	336. 31	340. 71	341. 66	
	5	78 430	1230	50. ON	145. OW	TJ	78 719	WON		1	335. 90	340. 29	341. 33	*
C141	2	78 5 4	1200	50. ON	145. OW	TJ	78 717	WON		1	335. 98	340. 37	341. 30	
C142	2	78 5 4	1200	50. ON	145. OW	TJ	78 718	WON		1	336. 01	340. 40	341. 33	
299	2	78 5 6	1200	50. ON	145. OW	TJ	78 615	KEE	436	1297	338. 15	342. 76	342. 48	*
300	2	78 5 6	1200	50. ON	145. OW	TJ	78 615	KEE	436	1297	339. 25	343. 91	343. 63	*
W3-6	5	78 5 6	1200	50. ON	145. OW	TJ	781110	KEE	482	1350	338. 45	343. 11	343. 11	
C143	2	78 5 6	1200	50. ON	145. OW	TJ	78 718	WON		1	336. 99	341. 44	342. 36	*
C144	2	78 5 6	1200	50. ON	145. OW	TJ	78 718	WON		1	336. 61	341. 04	341. 96	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
6	5	78 5 6	1200	50. ON	145. OW	TJ	78 7 19	WON		1	337. 39	341. 86	342. 87	*
C145	2	78 5 10	1400	50. ON	145. OW	RW	78 7 5	WON		1	335. 38	339. 74	340. 65	
C146	2	78 5 10	1400	50. ON	145. OW	RW	78 7 5	WON		1	335. 67	340. 04	340. 95	
A73	2	78 5 14	1400	50. ON	145. OW	LM	78 8 9	KEE	458	1328	336. 08	340. 60	340. 32	
A74	2	78 5 14	1400	50. ON	145. OW	LM	78 8 9	KEE	458	1328	336. 17	340. 70	340. 42	
W4-1	5	78 5 14	1400	50. ON	145. OW	LM	78 11 10	KEE	483	1350	335. 89	340. 43	340. 43	
C147	2	78 5 14	1400	50. ON	145. OW	LM	78 7 5	WON		1	335. 23	339. 58	340. 46	*
C148	2	78 5 14	1400	50. ON	145. OW	LM	78 7 5	WON		1	335. 20	339. 55	340. 43	*
1	5	78 5 14	1400	50. ON	145. OW	LM	78 7 11	WON		1	334. 86	339. 19	340. 16	*
C149	2	78 5 17	1400	50. ON	145. OW	LEM	78 7 5	WON		1	335. 71	340. 09	340. 96	
C150	2	78 5 17	1400	50. ON	145. OW	LEM	78 7 6	WON		1	335. 83	340. 21	341. 08	
A75	2	78 5 21	1405	50. ON	145. OW	JH	78 8 9	KEE	459	1328	336. 95	341. 52	341. 24	*
A76	2	78 5 21	1405	50. ON	145. OW	JH	78 8 9	KEE	459	1328	336. 52	341. 06	340. 78	*
W4-2	5	78 5 21	1400	50. ON	145. OW	JH	78 11 10	KEE	484	1350	336. 59	341. 15	341. 15	
C151	2	78 5 21	1400	50. ON	145. OW	PHE	78 7 6	WON		1	335. 70	340. 08	340. 92	
C152	2	78 5 21	1400	50. ON	145. OW	PHE	78 7 6	WON		1	335. 73	340. 11	340. 95	
2	5	78 5 21	1400	50. ON	145. OW	PHE	78 7 11	WON		1	335. 21	339. 57	340. 50	*
C43	2	78 5 24	1400	50. ON	145. OW	PHE	78 7 6	WON		1	335. 45	339. 81	340. 63	
C44	2	78 5 24	1400	50. ON	145. OW	PHE	78 7 6	WON		1	335. 45	339. 81	340. 63	
A77	2	78 5 28	1345	50. ON	145. OW	RW	78 8 9	KEE	460	1328	335. 55	340. 05	339. 77	
A78	2	78 5 28	1345	50. ON	145. OW	RW	78 8 9	KEE	460	1328	335. 74	340. 24	339. 96	
W4-3	5	78 5 28	1345	50. ON	145. OW	RW	78 11 10	KEE	485	1350	335. 59	340. 11	340. 11	
C41	2	78 5 28	1345	50. ON	145. OW	RW	78 7 7	WON		1	334. 87	339. 20	339. 98	*
C42	2	78 5 28	1345	50. ON	145. OW	RW	78 7 7	WON		1	334. 84	339. 17	339. 95	*
3	5	78 5 28	1345	50. ON	145. OW	RW	78 7 11	WON		1	334. 51	338. 83	339. 70	*
C47	2	78 5 31	1400	50. ON	145. OW	RW	78 7 7	WON		1	334. 27	338. 57	339. 33	
C48	2	78 5 31	1400	50. ON	145. OW	RW	78 7 7	WON		1	334. 21	338. 52	339. 28	
A79	2	78 6 4	1405	50. ON	145. OW	BMD	78 8 9	KEE	461	1328	335. 11	339. 59	339. 31	
A80	2	78 6 4	1405	50. ON	145. OW	BMD	78 8 9	KEE	461	1328	335. 21	339. 69	339. 41	
W4-4	5	78 6 4	1400	50. ON	145. OW	BMD	78 11 10	KEE	486	1350	334. 71	339. 20	339. 20	
C45	2	78 6 4	1400	50. ON	145. OW	BM	78 7 7	WON		1	334. 22	338. 52	339. 24	*
C46	2	78 6 4	1400	50. ON	145. OW	BM	78 7 7	WON		1	334. 27	338. 57	339. 29	*
4	5	78 6 4	1400	50. ON	145. OW	BM	78 7 11	WON		1	334. 03	338. 32	339. 13	*
C57	2	78 6 7	1400	50. ON	145. OW	BM	78 7 10	WON		1	333. 60	337. 88	338. 56	
C58	2	78 6 7	1400	50. ON	145. OW	BM	78 7 10	WON		1	333. 33	337. 60	338. 28	
A233	2	78 6 11	1400	50. ON	145. OW	DW	78 8 16	KEE	462	1329	334. 49	338. 94	338. 66	

FLASK NO. VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
A234	2	78 611 1400	50. ON 145. OW	DW	78 816	KEE 462 1329	334. 31	338. 75	338. 47	
W4-5	5	78 611 1400	50. ON 145. OW	DW	781110	KEE 487 1351	334. 12	338. 57	338. 57	
C59	2	78 611 1400	50. ON 145. OW	DW	78 710	WON 1	333. 82	338. 11	338. 75	*
C60	2	78 611 1400	50. ON 145. OW	DW	78 710	WON 1	333. 77	338. 05	338. 69	*
5	5	78 611 1400	50. ON 145. OW	DW	78 712	WON 1	333. 55	337. 83	338. 56	*
C61	2	78 614 1400	50. ON 145. OW	DW	78 710	WON 1	333. 43	337. 70	338. 31	
C62	2	78 614 1400	50. ON 145. OW	DW	78 710	WON 1	333. 32	337. 58	338. 19	
A236	2	78 618 1400	50. ON 145. OW	RW	78 816	KEE 463 1329	334. 22	338. 66	338. 38	*
W4-6	5	78 618 1400	50. ON 145. OW	RW	781110	KEE 488 1351	334. 17	338. 62	338. 62	
C63	2	78 618 1400	49. 8N 143. 4W	RW	78 711	WON 1	333. 54	337. 82	338. 38	
C64	2	78 618 1400	49. 8N 143. 4W	RW	78 711	WON 1	333. 68	337. 96	338. 52	
6	5	78 618 1400	49. 8N 143. 4W	RW	78 712	WON 1	333. 32	337. 58	338. 23	*
C83	2	78 621 1200	50. ON 145. OW	TJ	7810 4	WON 1	333. 59	337. 89	338. 42	
C84	2	78 621 1200	50. ON 145. OW	TJ	7810 4	WON 1	333. 52	337. 82	338. 35	
C130	2	78 625 1300	50. ON 145. OW	TJ	7811 9	KEE 464 1348	333. 63	338. 06	337. 78	
C131	2	78 625 1300	50. ON 145. OW	TJ	7811 9	KEE 464 1348	333. 35	337. 77	337. 49	
C132	2	78 625 1300	50. ON 145. OW	TJ	7811 9	KEE 464 1348	333. 63	338. 06	337. 78	
W5-1	5	78 625 1300	50. ON 145. OW	TJ	781110	KEE 489 1351	333. 21	337. 63	337. 63	
C81	2	78 625 1300	50. ON 145. OW	TJ	7810 4	WON 1	333. 31	337. 60	338. 09	*
C82	2	78 625 1300	50. ON 145. OW	TJ	7810 4	WON 1	333. 26	337. 55	338. 04	*
5001	5	78 625 1300	50. ON 145. OW	TJ	781011	WON 1	332. 94	337. 21	337. 79	*
C87	2	78 629 1300	50. ON 145. OW	TJ	7810 5	WON 1	330. 89	335. 08	335. 53	
C88	2	78 629 1300	50. ON 145. OW	TJ	7810 5	WON 1	330. 93	335. 13	335. 58	
C129	2	78 7 2 1300	50. ON 145. OW	TJ	7811 9	KEE 465 1348	332. 26	336. 64	336. 36	
C133	2	78 7 2 1300	50. ON 145. OW	TJ	7811 9	KEE 465 1348	332. 26	336. 64	336. 36	
C134	2	78 7 2 1300	50. ON 145. OW	TJ	7811 9	KEE 465 1348	332. 17	336. 54	336. 26	
W5-2	5	78 7 2 1300	50. ON 145. OW	TJ	781110	KEE 490 1351	332. 43	336. 81	336. 81	
C85	2	78 7 2 1300	50. ON 145. OW	TJ	7810 5	WON 1	332. 04	336. 28	336. 70	*
C86	2	78 7 2 1300	50. ON 145. OW	TJ	7810 5	WON 1	332. 20	336. 45	336. 87	*
5003	5	78 7 2 1300	50. ON 145. OW	TJ	781011	WON 1	332. 09	336. 34	336. 85	*
C49	2	78 7 6 1300	50. ON 145. OW	TJ	7810 5	WON 1	330. 58	334. 77	335. 17	*
C50	2	78 7 6 1300	50. ON 145. OW	TJ	7810 6	WON 1	329. 75	333. 90	334. 30	*
C135	2	78 710 1300	50. ON 145. OW	TJ	7811 9	KEE 466 1348	331. 71	336. 07	335. 79	
C136	2	78 710 1300	50. ON 145. OW	TJ	7811 9	KEE 466 1348	331. 71	336. 07	335. 79	
W5-3	5	78 710 1300	50. ON 145. OW	TJ	781110	KEE 491 1351	331. 84	336. 20	336. 20	
C51	2	78 710 1300	50. ON 145. OW	TJ	7810 6	WON 1	331. 20	335. 40	335. 78	*

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C52	2	78 710 1300	50. ON 145. OW	TJ	7810 6	WON	1	331. 25	335. 46	335. 84	*
5009	5	78 710 1300	50. ON 145. OW	TJ	781011	WON	1	331. 14	335. 34	335. 81	*
C53	2	78 712 1230	50. ON 145. OW	TJ	7810 6	WON	1	331. 83	336. 07	336. 44	
C54	2	78 712 1230	50. ON 145. OW	TJ	7810 6	WON	1	331. 81	336. 04	336. 41	
W5-4	5	78 716 1230	50. ON 145. OW	TJ	781110	KEE	492 1351	331. 02	335. 35	335. 35	&
C55	2	78 716 1230	50. ON 145. OW	TJ	7810 6	WON	1	331. 26	335. 47	335. 84	&
C56	2	78 716 1230	50. ON 145. OW	TJ	781010	WON	1	331. 21	335. 42	335. 79	&
5010	5	78 716 1230	50. ON 145. OW	TJ	781012	WON	1	331. 15	335. 36	335. 82	& *
C25	2	78 720 1300	50. ON 145. OW	TJ	781010	WON	1	331. 45	335. 67	336. 04	&
C26	2	78 720 1300	50. ON 145. OW	TJ	781010	WON	1	331. 63	335. 86	336. 23	&
C91	2	78 723 1200	50. ON 145. OW	TJ	7811 9	KEE	468 1348	331. 08	335. 41	335. 13	*
W5-5	5	78 723 1200	50. ON 145. OW	TJ	781117	KEE	493 1352	330. 92	335. 25	335. 25	&
C27	2	78 723 1200	50. ON 145. OW	TJ	781010	WON	1	330. 75	334. 94	335. 32	&
C28	2	78 723 1200	50. ON 145. OW	TJ	781010	WON	1	330. 77	334. 96	335. 34	&
C94	2	78 726 1200	50. ON 145. OW	TJ	7811 9	KEE	469 1348	323. 26	327. 34	327. 06	*
C29	2	78 726 1200	50. ON 145. OW	TJ	781010	WON	1	322. 73	326. 68	327. 08	
C30	2	78 726 1200	50. ON 145. OW	TJ	781011	WON	1	322. 89	326. 85	327. 25	
C95	2	78 729 1200	50. ON 145. OW	TJ	7811 9	KEE	470 1348	326. 90	331. 08	330. 80	
C96	2	78 729 1200	50. ON 145. OW	TJ	7811 9	KEE	470 1348	326. 90	331. 08	330. 80	
W5-6	5	78 729 1200	50. ON 145. OW	TJ	781117	KEE	494 1352	326. 52	330. 70	330. 70	
C31	2	78 729 1200	50. ON 145. OW	TJ	781011	WON	1	326. 24	330. 28	330. 70	*
C32	2	78 729 1200	50. ON 145. OW	TJ	781011	WON	1	326. 28	330. 32	330. 74	*
5012	5	78 729 1200	50. ON 145. OW	TJ	781012	WON	1	326. 24	330. 28	330. 79	*
C41	2	78 8 2 1400	50. ON 145. OW	DW	781012	WON	1	325. 50	329. 52	329. 97	*
C42	2	78 8 2 1400	50. ON 145. OW	DW	781012	WON	1	324. 75	328. 75	329. 20	*
169	2	78 8 6 1400	50. ON 145. OW	DW	7811 9	KEE	471 1349	329. 92	334. 21	333. 93	&
170	2	78 8 6 1400	50. ON 145. OW	DW	7811 9	KEE	471 1349	329. 84	334. 12	333. 84	&
W-1	5	78 8 6 1400	50. ON 145. OW	DW	791030	KEE	476 1490	329. 56	333. 95	333. 95	&
C43	2	78 8 6 1400	50. ON 145. OW	DW	781012	WON	1	328. 92	333. 05	333. 55	& *
C44	2	78 8 6 1400	50. ON 145. OW	DW	781013	WON	1	329. 15	333. 29	333. 79	& *
1	5	78 8 6 1400	50. ON 145. OW	DW	7811 1	WON	1	328. 86	332. 99	333. 58	& *
C45	2	78 8 9 1400	50. ON 145. OW	DW	781013	WON	1	325. 00	329. 01	329. 54	
C46	2	78 8 9 1400	50. ON 145. OW	DW	781013	WON	1	324. 93	328. 93	329. 46	
171	2	78 814 1400	50. ON 145. OW	DW	7811 9	KEE	472 1349	323. 62	327. 72	327. 44	
172	2	78 814 1400	50. ON 145. OW	DW	7811 9	KEE	472 1349	323. 89	327. 99	327. 71	
W-2	5	78 814 1400	50. ON 145. OW	DW	791030	KEE	476 1490	323. 84	328. 07	328. 07	



FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C47	2	78 814 1400	50. ON 145. OW	DW	781013	WON	1	323. 29	327. 26	327. 85	*
C48	2	78 814 1400	50. ON 145. OW	DW	781013	WON	1	323. 20	327. 17	327. 76	*
2	5	78 814 1400	50. ON 145. OW	DW	7811 1	WON	1	323. 15	327. 11	327. 79	*
C1	2	78 817 1645	50. ON 145. OW	DW	781013	WON	1	325. 60	329. 63	330. 26	&
C2	2	78 817 1645	50. ON 145. OW	DW	781030	WON	1	325. 95	329. 99	330. 62	&
173	2	78 820 1400	50. ON 145. OW	DW	7811 9	KEE	473 1349	323. 07	327. 16	326. 88	*
174	2	78 820 1400	50. ON 145. OW	DW	7811 9	KEE	473 1349	337. 05	341. 65	341. 37	*
W-3	5	78 820 1400	50. ON 145. OW	DW	791030	KEE	476 1490	322. 64	326. 85	326. 85	
C3	2	78 820 1400	50. ON 145. OW	DW	781030	WON	1	322. 27	326. 22	326. 89	
C4	2	78 820 1400	50. ON 145. OW	DW	781030	WON	1	322. 18	326. 12	326. 79	
C5	2	78 823 1400	50. ON 145. OW	DW	781030	WON	1	320. 72	324. 64	325. 35	
C6	2	78 823 1400	50. ON 145. OW	DW	781030	WON	1	320. 76	324. 68	325. 39	
175	2	78 827 1400	50. ON 145. OW	DW	7811 9	KEE	474 1349	323. 44	327. 53	327. 25	
176	2	78 827 1400	50. ON 145. OW	DW	7811 9	KEE	474 1349	323. 34	327. 43	327. 15	
W-4	5	78 827 1400	50. ON 145. OW	DW	791030	KEE	476 1490	323. 22	327. 44	327. 44	
C7	2	78 827 1400	50. ON 145. OW	DW	781031	WON	1	322. 79	326. 74	327. 50	*
C8	2	78 827 1400	50. ON 145. OW	DW	781031	WON	1	322. 57	326. 52	327. 28	*
C145	2	78 830 1400	50. ON 145. OW	LEM	781031	WON	1	321. 17	325. 10	325. 90	
C146	2	78 830 1400	50. ON 145. OW	LEM	781031	WON	1	321. 21	325. 14	325. 94	
177	2	78 9 3 0200	50. ON 145. OW	LM	7811 9	KEE	475 1349	323. 34	327. 43	327. 15	
178	2	78 9 3 0200	50. ON 145. OW	LM	7811 9	KEE	475 1349	323. 53	327. 62	327. 34	
W-5	5	78 9 3 0200	50. ON 145. OW	LM	791031	KEE	476 1491	322. 73	326. 94	326. 94	
C147	2	78 9 3 1400	50. ON 145. OW	LEM	781031	WON	1	322. 48	326. 43	327. 28	*
C148	2	78 9 3 1400	50. ON 145. OW	LEM	781031	WON	1	322. 65	326. 60	327. 45	*
5	5	78 9 3 1400	50. ON 145. OW	LEM	7811 8	WON	1	320. 58	324. 50	325. 44	# *
C149	2	78 9 6 1400	50. ON 145. OW	LEM	7811 1	WON	1	321. 71	325. 65	326. 53	
C150	2	78 9 6 1400	50. ON 145. OW	LEM	7811 1	WON	1	321. 76	325. 69	326. 57	
179	2	78 910 1345	50. ON 145. OW	LM	7811 9	KEE	476 1349	322. 98	327. 06	326. 78	
180	2	78 910 1345	50. ON 145. OW	LM	7811 9	KEE	476 1349	322. 79	326. 87	326. 59	
W-6	5	78 910 1335	50. ON 145. OW	LM	791031	KEE	476 1491	322. 25	326. 45	326. 45	
C151	2	78 910 1335	49. 8N 142. 7W	LEM	7811 1	WON	1	321. 66	325. 60	326. 52	*
C152	2	78 910 1335	49. 8N 142. 7W	LEM	7811 1	WON	1	321. 91	325. 86	326. 78	*
6	5	78 910 1335	49. 8N 142. 7W	LEM	7811 8	WON	1	321. 46	325. 40	326. 41	*
C57	2	78 912 1200	50. ON 145. OW	TJ	781116	WON	1	321. 55	325. 49	326. 43	
C58	2	78 912 1200	50. ON 145. OW	TJ	781116	WON	1	321. 59	325. 52	326. 46	
C59	2	78 915 1300	50. ON 145. OW	TJ	781117	WON	1	322. 46	326. 43	327. 40	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C60	2	78 915 1300	50. ON 145. OW	TJ	781117	WON	1	322. 60	326. 55	327. 52	
37	2	78 917 1300	50. ON 145. OW	TJ	79 227	KEE	495 1379	325. 44	329. 62	329. 34	*
38	2	78 917 1300	50. ON 145. OW	TJ	79 227	KEE	495 1379	324. 35	328. 51	328. 23	*
C61	2	78 917 1300	50. ON 145. OW	TJ	781117	WON	1	322. 79	326. 76	327. 75	
C62	2	78 917 1300	50. ON 145. OW	TJ	781117	WON	1	322. 72	326. 68	327. 67	
5021	5	78 917 1300	50. ON 145. OW	TJ	7811 8	WON	1	322. 80	326. 76	327. 84	
C63	2	78 921 1300	50. ON 145. OW	TJ	781117	WON	1	324. 99	329. 01	330. 03	*
C64	2	78 921 1300	50. ON 145. OW	TJ	781117	WON	1	325. 85	329. 89	330. 91	*
39	2	78 924 1230	50. ON 145. OW	TJ	79 227	KEE	496 1379	325. 62	329. 81	329. 53	
40	2	78 924 1230	50. ON 145. OW	TJ	79 227	KEE	496 1379	325. 97	330. 17	329. 89	
5022	5	78 924 1230	50. ON 145. OW	TJ	791031	KEE	500 1491	325. 35	329. 62	329. 62	
C137	2	78 924 1230	50. ON 145. OW	TJ	7811 9	WON	1	324. 46	328. 46	329. 51	*
C138	2	78 924 1230	50. ON 145. OW	TJ	7811 9	WON	1	324. 44	328. 44	329. 49	*
5022	5	78 924 1230	50. ON 145. OW	TJ	7811 8	WON	1	321. 86	325. 80	326. 94	# *
C139	2	78 927 1300	50. ON 145. OW	TJ	781110	WON	1	324. 06	328. 05	329. 12	*
C140	2	78 927 1300	50. ON 145. OW	TJ	781110	WON	1	325. 85	329. 89	330. 96	*
41	2	78 930 1300	50. ON 145. OW	TJ	79 227	KEE	497 1379	334. 27	338. 77	338. 49	*
42	2	78 930 1300	50. ON 145. OW	TJ	79 227	KEE	497 1379	331. 57	335. 95	335. 67	*
5023	5	78 930 1300	50. ON 145. OW	TJ	791031	KEE	500 1491	329. 70	334. 10	334. 10	&
C141	2	78 930 1300	50. ON 145. OW	TJ	781110	WON	1	328. 33	332. 44	333. 53	&
C142	2	78 930 1300	50. ON 145. OW	TJ	781110	WON	1	328. 23	332. 34	333. 43	&
C143	2	78 930 1300	50. ON 145. OW	TJ	781110	WON	1	328. 24	332. 36	333. 45	&
C144	2	78 930 1300	50. ON 145. OW	TJ	781110	WON	1	328. 82	332. 95	334. 04	*
5023	5	78 930 1300	50. ON 145. OW	TJ	7811 9	WON	1	328. 99	333. 13	334. 31	& *
C65	2	7810 4 1200	50. ON 145. OW	TJ	781114	WON	1	327. 39	331. 48	332. 59	
C66	2	7810 4 1200	50. ON 145. OW	TJ	781114	WON	1	327. 33	331. 40	332. 51	
C67	2	7810 6 1300	50. ON 145. OW	TJ	781114	WON	1	326. 93	331. 00	332. 13	
C68	2	7810 6 1300	50. ON 145. OW	TJ	781114	WON	1	326. 96	331. 04	332. 17	
43	2	7810 8 1300	50. ON 145. OW	TJ	79 227	KEE	498 1379	329. 76	334. 08	333. 80	#
44	2	7810 8 1300	50. ON 145. OW	TJ	79 227	KEE	498 1379	329. 76	334. 08	333. 80	#
5024	5	7810 8 1300	50. ON 145. OW	TJ	791031	KEE	500 1491	328. 15	332. 51	332. 51	
C71	2	7810 8 1300	50. ON 145. OW	TJ	781114	WON	1	327. 67	331. 77	332. 91	
C72	2	7810 8 1300	50. ON 145. OW	TJ	781114	WON	1	327. 54	331. 64	332. 78	
5024	5	7810 8 1300	50. ON 145. OW	TJ	7811 9	WON	1	327. 73	331. 82	333. 05	*
C69	2	781010 1230	50. ON 145. OW	TJ	781115	WON	1	328. 09	332. 20	333. 35	
C70	2	781010 1230	50. ON 145. OW	TJ	781115	WON	1	328. 23	332. 35	333. 50	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE	
C17	2	781013	1215	50. ON	145. OW	TJ	781115	WON			1	328. 14	332. 25	333. 41	
C18	2	781013	1215	50. ON	145. OW	TJ	781115	WON			1	328. 21	332. 33	333. 49	
45	2	781015	1300	50. ON	145. OW	TJ	79 227	KEE	499	1379	331. 39	335. 76	335. 48	*	
5015	5	781015	1300	50. ON	145. OW	TJ	791031	KEE	500	1491	328. 60	332. 97	332. 97		
C19	2	781015	1300	50. ON	145. OW	TJ	781115	WON			1	328. 02	332. 13	333. 30	
C20	2	781015	1300	50. ON	145. OW	TJ	781115	WON			1	327. 77	331. 87	333. 04	
5015	5	781015	1300	50. ON	145. OW	TJ	7811 9	WON			1	327. 88	331. 98	333. 24	*
C21	2	781018	1300	50. ON	145. OW	TJ	781116	WON			1	328. 23	332. 35	333. 54	
C22	2	781018	1300	50. ON	145. OW	TJ	781116	WON			1	328. 35	332. 46	333. 65	
47	2	781021	1200	50. ON	145. OW	TJ	79 227	KEE	500	1379	331. 30	335. 67	335. 39	*	
5016	5	781021	1200	50. ON	145. OW	TJ	791031	KEE	500	1491	328. 99	333. 38	333. 38		
C23	2	781021	1200	50. ON	145. OW	TJ	781116	WON			1	327. 77	331. 87	333. 07	
C24	2	781021	1200	50. ON	145. OW	TJ	781116	WON			1	327. 89	331. 99	333. 19	
5041	2	781025	1400	49. 7N	145. 1W	RW	79 731	WON			1	327. 96	332. 16	333. 37	
5042	2	781025	1400	49. 7N	145. 1W	RW	79 731	WON			1	328. 08	332. 27	333. 48	
109	2	781029	1400	50. ON	145. OW	DW	79 228	KEE	501	1380	330. 31	334. 65	334. 37		
110	2	781029	1400	50. ON	145. OW	DW	79 228	KEE	501	1380	330. 31	334. 65	334. 37		
W-1	5	781029	1400	50. ON	145. OW	DW	791031	KEE	506	1492	329. 70	334. 10	334. 10		
5043	2	781029	1400	50. ON	145. OW	DW	79 8 1	WON			1	328. 62	332. 84	334. 07	*
5044	2	781029	1400	50. ON	145. OW	DW	79 8 1	WON			1	328. 61	332. 83	334. 06	*
1	5	781029	1400	50. ON	145. OW	DW	79 8 7	WON			1	328. 52	332. 74	334. 06	*
5037	2	7811 1	1400	50. ON	145. OW	DW	79 8 1	WON			1	330. 55	334. 84	336. 08	
5038	2	7811 1	1400	50. ON	145. OW	DW	79 8 1	WON			1	330. 54	334. 82	336. 06	
111	2	7811 5	1315	50. ON	145. OW	OJ	79 228	KEE	502	1380	329. 96	334. 28	334. 00		
112	2	7811 5	1315	50. ON	145. OW	OJ	79 228	KEE	502	1380	330. 23	334. 56	334. 28		
W-2	5	7811 5	1315	50. ON	145. OW	OJ	791031	KEE	506	1492	329. 62	334. 02	334. 02		
5039	2	7811 5	1315	50. ON	145. OW	OJ	79 8 1	WON			1	328. 60	332. 81	334. 06	*
5040	2	7811 5	1315	50. ON	145. OW	OJ	79 8 1	WON			1	328. 51	332. 73	333. 98	*
2	5	7811 5	1315	50. ON	145. OW	OJ	79 8 7	WON			1	328. 34	332. 55	333. 89	*
5033	2	7811 8	1415	50. ON	145. OW	OJ	79 8 1	WON			1	408. 18	421. 65	422. 91	*
5034	2	7811 8	1415	50. ON	145. OW	OJ	79 8 1	WON			1	329. 62	333. 88	335. 14	*
113	2	781112	1400	50. ON	145. OW	RW	79 228	KEE	503	1380	333. 48	337. 95	337. 67	*	
114	2	781112	1400	50. ON	145. OW	RW	79 228	KEE	503	1380	332. 30	336. 71	336. 43	*	
W-3	5	781112	1400	50. ON	145. OW	RW	791031	KEE	506	1492	331. 58	336. 05	336. 05		
5036	2	781112	1400	50. ON	145. OW	RW	79 8 2	WON			1	330. 28	334. 56	335. 83	
5035	2	781112	1400	50. ON	145. OW	RW	79 8 2	WON			1	330. 15	334. 42	335. 69	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
3	5	781112	1400	50. ON	145. OW	RW	79 8 7	WON		1	330. 40	334. 68	336. 04	*
5032	2	781115	1400	50. ON	145. OW	RW	79 8 2	WON		1	330. 49	334. 77	336. 05	
5031	2	781115	1400	50. ON	145. OW	RW	79 8 2	WON		1	330. 60	334. 88	336. 16	
115	2	781119	1410	50. ON	145. OW	JH	79 228	KEE	504	1380	331. 58	335. 97	335. 69	
116	2	781119	1410	50. ON	145. OW	JH	79 228	KEE	504	1380	331. 58	335. 97	335. 69	
W-4	5	781119	1400	50. ON	145. OW	JH	791031	KEE	506	1492	331. 04	335. 49	335. 49	
5029	2	781119	1400	50. ON	145. OW	DHE	79 8 3	WON		1	329. 91	334. 17	335. 45	* *
5030	2	781119	1400	50. ON	145. OW	DHE	79 8 3	WON		1	269. 89	275. 59	276. 87	* *
4	5	781119	1400	50. ON	145. OW	DHE	79 8 7	WON		1	329. 94	334. 20	335. 57	*
5221	2	781122	1408	50. ON	145. OW	DHE	79 8 3	WON		1	328. 71	332. 94	334. 23	*
5222	2	781122	1408	50. ON	145. OW	DHE	79 8 3	WON		1	322. 65	326. 71	328. 00	*
117	2	781126	1355	50. ON	145. OW	LM	79 228	KEE	505	1380	331. 85	336. 25	335. 97	
118	2	781126	1355	50. ON	145. OW	LM	79 228	KEE	505	1380	331. 76	336. 16	335. 88	
W-5	5	781126	1355	50. ON	145. OW	LM	7911 1	KEE	506	1493	331. 50	335. 97	335. 97	
5223	2	781126	1355	50. ON	145. OW	LEM	79 8 3	WON		1	389. 15	399. 15	400. 45	* *
5224	2	781126	1355	50. ON	145. OW	LEM	79 8 3	WON		1	329. 80	334. 06	335. 36	* *
5	5	781126	1355	50. ON	145. OW	LEM	79 8 7	WON		1	329. 90	334. 16	335. 55	*
5025	2	781129	1400	50. ON	145. OW	LEM	79 8 3	WON		1	331. 32	335. 64	336. 95	
5026	2	781129	1400	50. ON	145. OW	LEM	79 8 7	WON		1	331. 17	335. 48	336. 79	
119	2	7812 3	1200	50. ON	145. OW	RW	79 228	KEE	506	1380	334. 75	339. 27	338. 99	
120	2	7812 3	1200	50. ON	145. OW	RW	79 228	KEE	506	1380	334. 75	339. 27	338. 99	
W-6	5	7812 3	1200	50. ON	145. OW	RW	7911 1	KEE	506	1493	334. 68	339. 27	339. 27	
5027	2	7812 3	1400	49. 8N	142. 3W	RW	79 8 7	WON		1	333. 11	337. 49	338. 80	*
5028	2	7812 3	1400	49. 8N	142. 3W	RW	79 8 7	WON		1	333. 09	337. 48	338. 79	*
6	5	7812 3	1400	49. 8N	142. 3W	RW	79 8 8	WON		1	333. 34	337. 74	339. 14	*
C201	2	7812 6	1233	50. ON	144. 8W	BJW	79 221	WON		1	336. 15	340. 62	341. 94	*
C202	2	7812 6	1233	50. ON	144. 8W	BJW	79 221	WON		1	334. 54	338. 93	340. 25	*
A105	2	781213	1955	50. ON	145. OW	BJW	79 426	KEE	513	1412	335. 33	339. 90	339. 62	
A106	2	781213	1955	50. ON	145. OW	BJW	79 426	KEE	513	1412	335. 15	339. 71	339. 43	
W-1	5	781213	1035	50. ON	145. OW	BJW	7911 1	KEE	517	1493	334. 85	339. 45	339. 45	
C203	2	781213	1055	49. 5N	145. 5W	BJW	79 221	WON		1	333. 74	338. 10	339. 43	*
C204	2	781213	1055	49. 5N	145. 5W	BJW	79 221	WON		1	333. 85	338. 21	339. 54	*
1	5	781213	1035	50. ON	145. OW	BJW	79 226	WON		1	333. 77	338. 14	339. 56	*
A107	2	781215	1245	50. ON	145. OW	JS	79 221	WON		1	332. 95	337. 27	338. 61	
A108	2	781215	1245	50. ON	145. OW	JS	79 221	WON		1	332. 92	337. 24	338. 58	
A111	2	781217	2200	50. ON	145. OW	JS	79 426	KEE	514	1412	333. 63	338. 12	337. 84	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
A112	2	781217	2200	50. ON	145. OW	JS	79 426	KEE	514	1412	333. 71	338. 21	337. 93	
W-8	5	781217	1300	50. ON	145. OW	JS	7911 1	KEE	517	1493	333. 74	338. 30	338. 30	
A109	2	781217	1300	50. ON	145. OW	JS	79 222	WON		1	332. 72	337. 04	338. 38	*
A110	2	781217	1300	50. ON	145. OW	JS	79 222	WON		1	332. 68	337. 01	338. 35	*
8	5	781217	1300	50. ON	145. OW	JS	79 226	WON		1	332. 77	337. 09	338. 52	*
C161	2	781220	1230	50. ON	145. OW	JS	79 222	WON		1	333. 26	337. 59	338. 94	
C162	2	781220	1230	50. ON	145. OW	JS	79 222	WON		1	332. 90	337. 23	338. 58	
C163	2	781224	2240	50. ON	145. OW	RR	79 426	KEE	515	1412	336. 05	340. 65	340. 37	*
C164	2	781224	2240	50. ON	145. OW	RR	79 426	KEE	515	1412	336. 76	341. 40	341. 12	*
W-12	5	781224	1340	50. ON	145. OW	RR	7911 1	KEE	517	1493	335. 66	340. 31	340. 31	
C165	2	781224	1340	50. ON	145. OW	RR	79 222	WON		1	334. 66	339. 06	340. 42	*
C166	2	781224	1340	50. ON	145. OW	RR	79 222	WON		1	335. 23	339. 65	341. 01	*
12	5	781224	1340	50. ON	145. OW	RR	79 226	WON		1	334. 32	338. 70	340. 15	*
C167	2	781227	1215	50. ON	145. OW	RR	79 223	WON		1	333. 17	337. 50	338. 86	
C168	2	781227	1215	50. ON	145. OW	RR	79 223	WON		1	332. 99	337. 33	338. 69	
97	2	781230	2130	50. ON	145. OW	JS	79 426	KEE	516	1412	332. 73	337. 18	336. 90	
98	2	781230	2130	50. ON	145. OW	JS	79 426	KEE	516	1412	332. 82	337. 28	337. 00	
W-9	5	781230	1230	50. ON	145. OW	JS	7911 1	KEE	517	1493	332. 26	336. 76	336. 76	
99	2	781230	1230	50. ON	145. OW	JS	79 223	WON		1	331. 55	335. 82	337. 19	*
100	2	781230	1230	50. ON	145. OW	JS	79 223	WON		1	331. 58	335. 85	337. 22	*
9	5	781230	1230	50. ON	145. OW	JS	79 227	WON		1	331. 14	335. 39	336. 85	*
101	2	79 1 3	1245	50. ON	145. OW	JS	79 223	WON		1	335. 30	339. 73	341. 11	*
102	2	79 1 3	1245	50. ON	145. OW	JS	79 226	WON		1	341. 60	346. 37	347. 75	*
105	2	79 1 7	0035	50. ON	145. OW	QL	79 426	KEE	517	1412	336. 05	340. 65	340. 37	
106	2	79 1 7	0035	50. ON	145. OW	QL	79 426	KEE	517	1412	335. 87	340. 46	340. 18	
W-10	5	79 1 7	1535	50. ON	145. OW	QL	7911 1	KEE	517	1493	335. 39	340. 02	340. 02	
103	2	79 1 7	1535	49. 8N	141. 5W	QL	79 226	WON		1	334. 77	339. 18	340. 56	*
104	2	79 1 7	1535	49. 8N	141. 5W	QL	79 226	WON		1	334. 76	339. 17	340. 55	*
10	5	79 1 7	1535	49. 8N	141. 5W	QL	79 227	WON		1	334. 15	338. 54	340. 01	*
C207	2	79 110	1400	50. ON	145. OW	DW	79 725	WON		1	333. 87	338. 29	339. 68	*
C208	2	79 110	1400	50. ON	145. OW	DW	79 725	WON		1	332. 51	336. 86	338. 25	*
169	2	79 113	1400	50. ON	145. OW	DW	79 4 5	KEE	507	1404	333. 96	338. 45	338. 17	
170	2	79 113	1400	50. ON	145. OW	DW	79 4 5	KEE	507	1404	333. 87	338. 36	338. 08	
W-43	5	79 113	1400	50. ON	145. OW	DW	7911 1	KEE	512	1494	333. 76	338. 32	338. 32	
C205	2	79 113	1400	50. ON	145. OW	DW	79 725	WON		1	332. 76	337. 13	338. 53	*
C206	2	79 113	1400	50. ON	145. OW	DW	79 725	WON		1	332. 60	336. 97	338. 37	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE		
43	5	79	113	1400	50. ON	145. OW	DW	79 731	WON		1	332. 45	336. 81	338. 30	*
C25	2	79	117	1400	50. ON	145. OW	BM	79 725	WON		1	332. 28	336. 63	338. 03	
C26	2	79	117	1400	50. ON	145. OW	BM	79 726	WON		1	332. 40	336. 76	338. 16	
171	2	79	120	1400	50. ON	145. OW	BMD	79 4 5	KEE	508	1404	333. 96	338. 45	338. 17	
172	2	79	120	1400	50. ON	145. OW	BMD	79 4 5	KEE	508	1404	334. 04	338. 54	338. 26	
W-44	5	79	120	1400	50. ON	145. OW	BMD	7911 1	KEE	512	1494	333. 98	338. 55	338. 55	
C27	2	79	120	1400	50. ON	145. OW	BM	79 726	WON		1	332. 58	336. 94	338. 35	*
C28	2	79	120	1400	50. ON	145. OW	BM	79 726	WON		1	332. 38	336. 73	338. 14	*
44	5	79	120	1400	50. ON	145. OW	BM	79 731	WON		1	332. 53	336. 89	338. 39	*
C29	2	79	124	1500	49. 7N	145. OW	BM	79 726	WON		1	332. 30	336. 65	338. 07	
C30	2	79	124	1500	49. 7N	145. OW	BM	79 726	WON		1	332. 20	336. 55	337. 97	
173	2	79	127	1400	50. ON	145. OW	DW	79 4 5	KEE	509	1404	333. 24	337. 70	337. 42	
174	2	79	127	1400	50. ON	145. OW	DW	79 4 5	KEE	509	1404	333. 42	337. 89	337. 61	
W-45	5	79	127	1400	50. ON	145. OW	DW	7911 1	KEE	512	1494	333. 05	337. 57	337. 57	
C31	2	79	127	1400	50. ON	145. OW	DW	79 726	WON		1	331. 78	336. 11	337. 53	*
C32	2	79	127	1400	50. ON	145. OW	DW	79 726	WON		1	331. 69	336. 02	337. 44	*
C81	2	79	131	1355	50. ON	145. OW	LEM	79 730	WON		1	331. 83	336. 17	337. 60	
C82	2	79	131	1355	50. ON	145. OW	LEM	79 730	WON		1	331. 72	336. 05	337. 48	
175	2	79	2 3	0150	50. ON	145. OW	LM	79 4 5	KEE	510	1404	332. 62	337. 06	336. 78	
176	2	79	2 3	0150	50. ON	145. OW	LM	79 4 5	KEE	510	1404	332. 62	337. 06	336. 78	
W-46	5	79	2 3	0150	50. ON	145. OW	LM	7911 1	KEE	512	1494	332. 42	336. 92	336. 92	
C83	2	79	2 3	0150	50. ON	145. OW	LM	79 730	WON		1	331. 03	335. 34	336. 78	*
C84	2	79	2 3	0150	50. ON	145. OW	LM	79 730	WON		1	330. 94	335. 24	336. 68	*
46	5	79	2 3	0150	50. ON	145. OW	LM	79 731	WON		1	330. 96	335. 26	336. 79	*
177	2	79	2 7	1400	50. ON	145. OW	DW	79 4 5	KEE	511	1404	335. 13	339. 68	339. 40	
178	2	79	2 7	1400	50. ON	145. OW	DW	79 4 5	KEE	511	1404	334. 76	339. 29	339. 01	
W-47	5	79	2 7	1400	50. ON	145. OW	DW	7911 1	KEE	512	1494	334. 65	339. 25	339. 25	
C85	2	79	2 7	1400	50. ON	145. OW	DW	79 730	WON		1	333. 30	337. 70	339. 15	*
C86	2	79	2 7	1400	50. ON	145. OW	DW	79 730	WON		1	333. 24	337. 64	339. 09	*
47	5	79	2 7	1400	50. ON	145. OW	DW	79 731	WON		1	333. 27	337. 67	339. 21	*
179	2	79	210	1400	50. ON	145. OW	DW	79 4 5	KEE	512	1404	335. 58	340. 15	339. 87	
180	2	79	210	1400	50. ON	145. OW	DW	79 4 5	KEE	512	1404	335. 39	339. 96	339. 68	
W-48	5	79	210	1400	50. ON	145. OW	DW	7911 1	KEE	512	1494	335. 19	339. 81	339. 81	
C87	2	79	210	1400	50. ON	145. OW	DW	79 730	WON		1	333. 76	338. 18	339. 63	*
C88	2	79	210	1400	50. ON	145. OW	DW	79 730	WON		1	333. 76	338. 17	339. 62	*
48	5	79	210	1400	50. ON	145. OW	DW	79 731	WON		1	333. 73	338. 14	339. 68	*

FLASK NO. VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
291	2	79 214 1240	49. 9N 144. 9W	RR	79 426	WON	1	347. 90	353. 09	354. 55 *
292	2	79 214 1240	49. 9N 144. 9W	RR	79 426	WON	1	335. 30	339. 75	341. 21 *
289	2	79 218 1555	50. 0N 145. 0W	RR	79 531	KEE	518 1432	336. 11	340. 73	340. 45 *
290	2	79 218 1555	50. 0N 145. 0W	RR	79 531	KEE	518 1432	349. 81	355. 28	355. 00 *
W-40	5	79 218 1555	50. 0N 145. 0W	RR	7911 6	KEE	523 1495	335. 85	340. 50	340. 50
A89	2	79 218 1555	49. 9N 144. 9W	RR	79 717	WON	1	334. 51	338. 95	340. 42
A90	2	79 218 1555	49. 9N 144. 9W	RR	79 717	WON	1	334. 56	339. 01	340. 48
40	5	79 218 1555	49. 9N 144. 9W	RR	79 720	WON	1	334. 56	339. 01	340. 57 *
293	2	79 221 1215	49. 9N 144. 9W	RR	79 426	WON	1	334. 86	339. 29	340. 76 *
294	2	79 221 1215	49. 9N 144. 9W	RR	79 426	WON	1	352. 02	357. 53	359. 00 *
295	2	79 225 1610	50. 0N 145. 0W	QL	79 531	KEE	519 1432	335. 85	340. 45	340. 17
296	2	79 225 1610	50. 0N 145. 0W	QL	79 531	KEE	519 1432	335. 67	340. 27	339. 99
W-39	5	79 225 1610	50. 0N 145. 0W	QL	7911 6	KEE	523 1495	335. 14	339. 76	339. 76
A91	2	79 225 1610	50. 1N 145. 0W	QL	79 717	WON	1	333. 66	338. 07	339. 55 *
A92	2	79 225 1610	50. 1N 145. 0W	QL	79 717	WON	1	333. 64	338. 05	339. 53 *
39	5	79 225 1610	50. 1N 145. 0W	QL	79 720	WON	1	333. 77	338. 18	339. 75 *
A93	2	79 228 1220	50. 0N 145. 0W	QL	79 717	WON	1	335. 08	339. 55	341. 04 *
A94	2	79 228 1220	50. 0N 145. 0W	QL	79 717	WON	1	334. 44	338. 89	340. 38 *
297	2	79 3 4 1245	50. 0N 145. 0W	QL	79 531	KEE	520 1432	336. 21	340. 83	340. 55
298	2	79 3 4 1245	50. 0N 145. 0W	QL	79 531	KEE	520 1432	336. 30	340. 92	340. 64
W-38	5	79 3 4 1245	50. 0N 145. 0W	QL	7911 6	KEE	523 1495	335. 81	340. 46	340. 46
A95	2	79 3 4 1245	50. 0N 145. 0W	QL	79 718	WON	1	333. 65	338. 05	339. 54 * *
A96	2	79 3 4 1245	50. 0N 145. 0W	QL	79 718	WON	1	334. 27	338. 70	340. 19 * *
38	5	79 3 4 1245	50. 0N 145. 0W	QL	79 720	WON	1	334. 10	338. 52	340. 10 *
A265	2	79 3 6 1245	50. 0N 145. 1W	BW	79 718	WON	1	333. 75	338. 15	339. 65
A266	2	79 3 6 1245	50. 0N 145. 1W	BW	79 718	WON	1	333. 69	338. 09	339. 59
299	2	79 311 1330	50. 0N 145. 0W	BJW	79 531	KEE	521 1432	353. 03	358. 75	358. 47 *
300	2	79 311 1330	50. 0N 145. 0W	BJW	79 531	KEE	521 1432	336. 38	341. 01	340. 73 *
A267	2	79 311 1330	50. 7N 145. 0W	BW	79 718	WON	1	334. 54	338. 99	340. 50
A268	2	79 311 1330	50. 7N 145. 0W	BW	79 718	WON	1	334. 34	338. 77	340. 28
42	5	79 311 1330	50. 7N 145. 0W	BW	79 720	WON	1	334. 45	338. 89	340. 49
A269	2	79 314 1240	50. 0N 145. 0W	BW	79 719	WON	1	334. 27	338. 70	340. 21
A270	2	79 314 1240	50. 0N 145. 0W	BW	79 719	WON	1	334. 45	338. 89	340. 40
A49	2	79 318 1250	50. 0N 145. 0W	QL	79 531	KEE	522 1432	334. 87	339. 43	339. 15 *
A50	2	79 318 1250	50. 0N 145. 0W	QL	79 531	KEE	522 1432	334. 42	338. 96	338. 68 *
W-41	5	79 318 1250	50. 0N 145. 0W	QL	7911 6	KEE	523 1495	334. 32	338. 91	338. 91

FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE
		DATE	TIME	LAT	LONG				FIELD	ANAL				
A271	2	79	318	1250	50. ON 145. OW	QL	79 719	WON		1	332. 81	337. 18	338. 70	
A272	2	79	318	1250	50. ON 145. OW	QL	79 719	WON		1	332. 84	337. 21	338. 73	
41	5	79	318	1250	50. ON 145. OW	QL	79 720	WON		1	332. 76	337. 13	338. 74	*
A51	2	79	321	1240	50. ON 145. OW	QL	79 719	WON		1	334. 89	339. 35	340. 88	
A52	2	79	321	1240	50. ON 145. OW	QL	79 719	WON		1	334. 93	339. 39	340. 92	
A55	2	79	325	1235	50. ON 145. OW	QL	79 531	KEE	523	1432	336. 75	341. 39	341. 11	
A56	2	79	325	1235	50. ON 145. OW	QL	79 531	KEE	523	1432	337. 02	341. 68	341. 40	
W-37	5	79	325	1235	50. ON 145. OW	QL	7911 6	KEE	523	1495	336. 48	341. 16	341. 16	
A53	2	79	325	1235	49. 9N 142. 5W	QL	79 719	WON		1	335. 16	339. 64	341. 17	*
A54	2	79	325	1235	49. 9N 142. 5W	QL	79 719	WON		1	335. 09	339. 56	341. 09	*
37	5	79	325	1235	49. 9N 142. 5W	QL	79 720	WON		1	334. 88	339. 34	340. 96	*
C89	2	79	329	1400	50. ON 145. OW	DHE	79 813	WON		1	333. 90	338. 32	339. 86	
C90	2	79	329	1400	50. ON 145. OW	DHE	79 814	WON		1	333. 74	338. 15	339. 69	
C201	2	79	331	2300	50. ON 145. OW	RW	79 628	KEE	524	1441	334. 98	339. 55	339. 27	
C202	2	79	331	2300	50. ON 145. OW	RW	79 628	KEE	524	1441	334. 98	339. 55	339. 27	
C91	2	79	331	1400	50. ON 145. OW	RW	79 814	WON		1	333. 46	337. 86	339. 40	*
C92	2	79	331	1400	50. ON 145. OW	RW	79 814	WON		1	333. 26	337. 66	339. 20	*
C93	2	79	4 4	1400	50. ON 145. OW	DHE	79 814	WON		1	335. 80	340. 31	341. 86	
C94	2	79	4 4	1400	50. ON 145. OW	DHE	79 814	WON		1	335. 65	340. 15	341. 70	
C203	2	79	4 7	2305	50. ON 145. OW	HE	79 628	KEE	525	1441	337. 73	342. 44	342. 16	
C204	2	79	4 7	2305	50. ON 145. OW	HE	79 628	KEE	525	1441	337. 73	342. 44	342. 16	
C95	2	79	4 7	1400	50. ON 145. OW	DHE	79 814	WON		1	336. 02	340. 54	342. 10	*
C96	2	79	4 7	1400	50. ON 145. OW	DHE	79 814	WON		1	336. 31	340. 84	342. 40	*
C41	2	79	411	1400	50. ON 145. OW	DW	79 815	WON		1	335. 93	340. 45	342. 01	
C42	2	79	411	1400	50. ON 145. OW	DW	79 815	WON		1	335. 93	340. 44	342. 00	
C97	2	79	414	2300	50. ON 145. OW	DW	79 628	KEE	526	1442	337. 53	342. 22	341. 94	
C98	2	79	414	2300	50. ON 145. OW	DW	79 628	KEE	526	1442	337. 53	342. 22	341. 94	
C43	2	79	414	1400	50. ON 145. OW	DW	79 815	WON		1	335. 87	340. 38	341. 95	* *
C44	2	79	414	1400	50. ON 145. OW	DW	79 815	WON		1	336. 48	341. 02	342. 59	* *
C45	2	79	418	1400	50. ON 145. OW	RW	79 815	WON		1	335. 37	339. 86	341. 44	
C46	2	79	418	1400	50. ON 145. OW	RW	79 815	WON		1	335. 33	339. 80	341. 38	
C99	2	79	421	2300	50. ON 145. OW	RW	79 628	KEE	527	1442	337. 26	341. 94	341. 66	
C100	2	79	421	2300	50. ON 145. OW	RW	79 628	KEE	527	1442	337. 26	341. 94	341. 66	
C47	2	79	421	1400	50. ON 145. OW	RW	79 815	WON		1	335. 69	340. 20	341. 78	*
C48	2	79	421	1400	50. ON 145. OW	RW	79 815	WON		1	335. 68	340. 18	341. 76	*
C57	2	79	425	1400	50. ON 145. OW	LEM	79 816	WON		1	334. 90	339. 37	340. 96	



FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE	
C58	2	79	425	1400	50.0N	145.0W	LEM	79 816	WON		1	334.85	339.32	340.91	
C101	2	79	428	2300	50.0N	145.0W	LM	79 628	KEE	528 1442		335.31	339.90	339.62	
C102	2	79	428	2300	50.0N	145.0W	LM	79 628	KEE	528 1442		335.31	339.90	339.62	
C59	2	79	428	1405	50.0N	145.0W	LEM	79 816	WON		1	333.64	338.05	339.64	*
C60	2	79	428	1405	50.0N	145.0W	LEM	79 816	WON		1	333.92	338.34	339.93	*
C61	2	79	5 2	1400	50.0N	145.0W	NBM	79 816	WON		1	336.45	340.99	342.59	
C62	2	79	5 2	1400	50.0N	145.0W	NBM	79 816	WON		1	336.23	340.76	342.36	
C103	2	79	5 5	2300	50.0N	145.0W	BMD	79 628	KEE	529 1442		337.70	342.40	342.12	
C104	2	79	5 5	2300	50.0N	145.0W	BMD	79 628	KEE	529 1442		337.70	342.40	342.12	
C63	2	79	5 5	1400	50.0N	145.0W	NBM	79 816	WON		1	336.10	340.63	342.24	*
C64	2	79	5 5	1400	50.0N	145.0W	NBM	79 817	WON		1	336.14	340.65	342.26	*
5149	2	79	5 9	1230	49.8N	144.9W	QL	79 8 8	WON		1	336.38	340.91	342.52	
5150	2	79	5 9	1230	49.8N	144.9W	QL	79 8 8	WON		1	336.43	340.97	342.58	
5151	2	79	513	1230	50.1N	144.9W	OJ	79 8 8	WON		1	336.77	341.32	342.94	*
5152	2	79	513	1230	50.1N	144.9W	OJ	79 8 8	WON		1	349.64	355.01	356.63	*
5129	2	79	516	1145	50.0N	144.9W	QL	79 8 8	WON		1	337.04	341.61	343.23	*
5130	2	79	516	1145	50.0N	144.9W	QL	79 8 8	WON		1	335.73	340.23	341.85	*
5131	2	79	520	1305	50.0N	145.0W	BJW	79 8 8	WON		1	336.63	341.18	342.81	*
5132	2	79	520	1305	50.0N	145.0W	BJW	79 8 9	WON		1	337.72	342.32	343.95	*
5265	2	79	523	1140	50.1N	145.0W	QL	79 8 9	WON		1	336.17	340.68	342.32	
5266	2	79	523	1140	50.1N	145.0W	QL	79 8 9	WON		1	336.03	340.55	342.19	
5267	2	79	527	1325	50.0N	144.9W	RR	79 8 9	WON		1	336.20	340.73	342.37	
5268	2	79	527	1325	50.0N	144.9W	RR	79 8 9	WON		1	336.18	340.71	342.35	
5141	2	79	530	1235	49.9N	144.9W	QL	79 8 9	WON		1	335.03	339.50	341.15	
5142	2	79	530	1235	49.9N	144.9W	QL	79 810	WON		1	335.01	339.48	341.13	
5143	2	79	6 3	1155	50.0N	144.9W	PW	79 810	WON		1	335.23	339.71	341.36	
5144	2	79	6 3	1155	50.0N	144.9W	PW	79 810	WON		1	335.35	339.83	341.48	
5017	2	79	6 7	1145	50.1N	144.9W	QL	79 810	WON		1	335.23	339.71	341.37	
5018	2	79	6 7	1145	50.1N	144.9W	QL	79 813	WON		1	334.99	339.46	341.12	
5019	2	79	610	1205	50.0N	144.9W	OJ	79 813	WON		1	335.18	339.66	341.32	*
5020	2	79	610	1205	50.0N	144.9W	OJ	79 813	WON		1	334.77	339.24	340.90	*
5257	2	79	613	1240	49.8N	144.8W	QL	79 813	WON		1	333.77	338.18	339.85	
5258	2	79	613	1240	49.8N	144.8W	QL	79 813	WON		1	333.78	338.20	339.87	
5259	2	79	617	1205	49.8N	142.6W	OJ	79 813	WON		1	333.26	337.65	339.32	*
5260	2	79	617	1205	49.8N	142.6W	OJ	79 813	WON		1	340.40	345.16	346.83	*
C137	2	79	620	1400	50.0N	145.0W	DW	79 817	WON		1	331.91	336.25	337.93	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C138	2	79 620 1400	50. ON 145. OW	DW	79 817	WON	1	331. 87	336. 21	337. 89	
182	2	79 623 2300	50. ON 145. OW	DW	791030	KEE	530 1489	334. 70	339. 30	339. 02	*
C141	2	79 623 1400	50. ON 145. OW	DW	79 817	WON	1	333. 01	337. 40	339. 08	
C142	2	79 623 1400	50. ON 145. OW	DW	79 817	WON	1	333. 05	337. 45	339. 13	
C139	2	79 627 1355	50. ON 145. OW	LEM	79 817	WON	1	331. 37	335. 69	337. 38	
C140	2	79 627 1355	50. ON 145. OW	LEM	79 817	WON	1	331. 38	335. 70	337. 39	
183	2	79 630 2305	50. ON 145. OW	LM	791030	KEE	531 1489	334. 16	338. 74	338. 46	
184	2	79 630 2305	50. ON 145. OW	LM	791030	KEE	531 1489	334. 25	338. 83	338. 55	
C143	2	79 630 1400	50. ON 145. OW	LEM	79 911	WON	1	333. 12	337. 53	339. 22	* *
C144	2	79 630 1400	50. ON 145. OW	LEM	79 911	WON	1	332. 50	336. 87	338. 56	* *
C55	2	79 7 4 1400	50. ON 145. OW	DW	79 911	WON	1	331. 74	336. 09	337. 79	
C56	2	79 7 4 1400	50. ON 145. OW	DW	79 911	WON	1	331. 67	336. 01	337. 71	
185	2	79 7 7 2300	50. ON 145. OW	DW	791030	KEE	532 1489	329. 63	334. 03	333. 75	
186	2	79 7 7 2300	50. ON 145. OW	DW	791030	KEE	532 1489	329. 98	334. 39	334. 11	
C53	2	79 7 7 1400	50. ON 145. OW	DW	79 911	WON	1	328. 04	332. 26	333. 96	*
C54	2	79 7 7 1400	50. ON 145. OW	DW	79 911	WON	1	328. 02	332. 23	333. 93	*
C51	2	79 711 1400	50. ON 145. OW	DW	79 912	WON	1	327. 46	331. 65	333. 36	
C52	2	79 711 1400	50. ON 145. OW	DW	79 912	WON	1	327. 40	331. 59	333. 30	
187	2	79 714 2300	50. ON 145. OW	DW	791030	KEE	533 1489	328. 64	333. 01	332. 73	*
188	2	79 714 2300	50. ON 145. OW	DW	791030	KEE	533 1490	327. 95	332. 29	332. 01	*
C49	2	79 714 1400	50. ON 145. OW	DW	79 912	WON	1	326. 68	330. 85	332. 56	
C50	2	79 714 1400	50. ON 145. OW	DW	79 912	WON	1	326. 61	330. 79	332. 50	
189	2	79 718 2300	50. ON 145. OW	BMD	791030	KEE	534 1490	330. 00	334. 41	334. 13	
190	2	79 718 2300	50. ON 145. OW	BMD	791030	KEE	534 1490	330. 18	334. 60	334. 32	
C121	2	79 718 1400	50. ON 145. OW	BM	79 912	WON	1	328. 59	332. 82	334. 54	*
C122	2	79 718 1400	50. ON 145. OW	BM	79 912	WON	1	328. 64	332. 88	334. 60	*
C123	2	79 721 1400	50. ON 145. OW	BM	79 913	WON	1	326. 54	330. 71	332. 43	
C124	2	79 721 1400	50. ON 145. OW	BM	79 913	WON	1	326. 41	330. 58	332. 30	
C125	2	79 725 1400	50. ON 145. OW	DW	79 913	WON	1	326. 36	330. 52	332. 25	
C126	2	79 725 1400	50. ON 145. OW	DW	79 913	WON	1	326. 42	330. 59	332. 32	
191	2	79 728 2300	50. ON 145. OW	DW	791030	KEE	535 1490	327. 33	331. 65	331. 37	
192	2	79 728 2300	50. ON 145. OW	DW	791030	KEE	535 1490	327. 14	331. 46	331. 18	
C127	2	79 728 1400	50. ON 145. OW	DW	79 913	WON	1	325. 90	330. 07	331. 80	*
C128	2	79 728 1400	50. ON 145. OW	DW	79 913	WON	1	325. 83	329. 99	331. 72	*
C33	2	79 8 1 1220	50. ON 145. 1W	QL	791010	WON	1	324. 10	328. 22	329. 96	
C34	2	79 8 1 1220	50. ON 145. 1W	QL	791010	WON	1	324. 05	328. 17	329. 91	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
97	2	79 8 6 1130	50. ON 145. OW	PW	7911 6	KEE	536 1496	325. 46	329. 74	329. 46	
98	2	79 8 6 1130	50. ON 145. OW	PW	7911 6	KEE	536 1496	325. 11	329. 38	329. 10	
C35	2	79 8 6 1130	50. ON 145. OW	PW	791010	WON	1	323. 05	327. 14	328. 88	*
C36	2	79 8 6 1130	50. ON 145. OW	PW	791010	WON	1	322. 91	327. 01	328. 75	*
C37	2	79 8 8 1130	50. ON 143. 9W	QL	791010	WON	1	325. 23	329. 38	331. 12	
C38	2	79 8 8 1130	50. ON 143. 9W	QL	791011	WON	1	325. 42	329. 57	331. 31	
99	2	79 812 1245	50. ON 145. OW	OJ	7911 6	KEE	537 1496	325. 11	329. 38	329. 10	
100	2	79 812 1245	50. ON 145. OW	OJ	7911 6	KEE	537 1496	325. 11	329. 38	329. 10	
C39	2	79 812 1300	48. 7N 144. 8W	OJ	791011	WON	1	322. 70	326. 79	328. 54	*
C40	2	79 812 1300	48. 7N 144. 8W	OJ	791011	WON	1	322. 65	326. 74	328. 49	*
C129	2	79 815 1230	50. ON 145. OW	QL	791011	WON	1	323. 61	327. 71	329. 46	
C130	2	79 815 1230	50. ON 145. OW	QL	791011	WON	1	323. 62	327. 73	329. 48	
101	2	79 819 1330	50. ON 145. OW	BJW	7911 6	KEE	538 1496	325. 82	330. 10	329. 82	
102	2	79 819 1330	50. ON 145. OW	BJW	7911 6	KEE	538 1496	326. 10	330. 39	330. 11	
C131	2	79 819 1330	49. 9N 144. 9W	BJW	791011	WON	1	323. 84	327. 95	329. 71	*
C132	2	79 819 1330	49. 9N 144. 9W	BJW	791011	WON	1	324. 21	328. 33	330. 09	*
C133	2	79 822 1140	49. 7N 144. 8W	QL	791011	WON	1	325. 58	329. 74	331. 50	&
C134	2	79 822 1140	49. 7N 144. 8W	QL	791012	WON	1	325. 83	329. 99	331. 75	&
103	2	79 826 1230	50. ON 145. OW	RR	7911 6	KEE	539 1496	326. 00	330. 29	330. 01	*
104	2	79 826 1230	50. ON 145. OW	RR	7911 6	KEE	539 1496	325. 38	329. 65	329. 37	*
C135	2	79 826 1220	50. 1N 145. OW	RR	791012	WON	1	326. 95	331. 15	332. 91	*
C136	2	79 826 1220	50. 1N 145. OW	RR	791012	WON	1	324. 19	328. 31	330. 07	*
C65	2	79 829 1135	50. ON 145. 2W	QL	791012	WON	1	324. 88	329. 02	330. 79	
C66	2	79 829 1135	50. ON 145. 2W	QL	791012	WON	1	324. 72	328. 86	330. 63	
105	2	79 9 2 1130	50. ON 145. OW	PW	7911 6	KEE	540 1496	324. 03	328. 26	327. 98	
106	2	79 9 2 1130	50. ON 145. OW	PW	7911 6	KEE	540 1496	324. 03	328. 26	327. 98	
C67	2	79 9 2 1120	49. 8N 144. 9W	PW	791012	WON	1	322. 53	326. 61	328. 38	*
C68	2	79 9 2 1120	49. 8N 144. 9W	PW	791012	WON	1	322. 54	326. 62	328. 39	*
C69	2	79 9 6 1105	49. 9N 145. OW	QL	791012	WON	1	322. 39	326. 48	328. 25	
C70	2	79 9 6 1105	49. 9N 145. OW	QL	791015	WON	1	322. 73	326. 82	328. 59	
107	2	79 9 9 1245	50. ON 145. OW	PW	7911 6	KEE	541 1496	325. 11	329. 38	329. 10	
108	2	79 9 9 1245	50. ON 145. OW	PW	7911 6	KEE	541 1496	325. 28	329. 55	329. 27	
C71	2	79 9 9 1245	49. 8N 142. 5W	PW	791015	WON	1	323. 80	327. 91	329. 69	*
C72	2	79 9 9 1245	49. 8N 142. 5W	PW	791015	WON	1	323. 76	327. 88	329. 66	*
C41	2	79 912 1400	50. ON 145. OW	BM	7911 9	WON	1	324. 57	328. 71	330. 49	
C42	2	79 912 1400	50. ON 145. OW	BM	7911 9	WON	1	324. 51	328. 65	330. 43	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
193	2	79	915	1400	50. ON	145. OW	BMD	791128	KEE	542	1510	326. 13	330. 43	330. 15
194	2	79	915	1400	50. ON	145. OW	BMD	791128	KEE	542	1510	326. 22	330. 52	330. 24
C43	2	79	915	1400	50. ON	145. OW	BM	7911 9	WON		1	324. 45	328. 58	330. 36 *
C44	2	79	915	1400	50. ON	145. OW	BM	7911 9	WON		1	324. 55	328. 69	330. 47 *
C45	2	79	919	1400	50. ON	145. OW	LEM	7911 9	WON		1	325. 22	329. 37	331. 16
C46	2	79	919	1400	50. ON	145. OW	LEM	7911 9	WON		1	325. 01	329. 17	330. 96
195	2	79	922	1400	50. ON	145. OW	LM	791128	KEE	543	1510	327. 74	332. 09	331. 81
196	2	79	922	1400	50. ON	145. OW	LM	791128	KEE	543	1510	327. 92	332. 28	332. 00
C47	2	79	922	1400	50. ON	145. OW	LEM	7911 9	WON		1	326. 13	330. 31	332. 10 *
C48	2	79	922	1400	50. ON	145. OW	LEM	7911 9	WON		1	326. 19	330. 37	332. 16 *
CB1	2	79	926	1400	50. ON	145. OW	BM	791113	WON		1	326. 30	330. 49	332. 28
CB2	2	79	926	1400	50. ON	145. OW	BM	791113	WON		1	326. 02	330. 20	331. 99
197	2	79	929	1400	50. ON	145. OW	BMD	791128	KEE	544	1510	328. 73	333. 11	332. 83
198	2	79	929	1400	50. ON	145. OW	BMD	791128	KEE	544	1510	328. 81	333. 20	332. 92
CB3	2	79	929	1400	50. ON	145. OW	BM	791113	WON		1	327. 15	331. 36	333. 15 *
CB4	2	79	929	1400	50. ON	145. OW	BM	791113	WON		1	327. 11	331. 33	333. 12 *
CB5	2	7910	3	1400	50. ON	145. OW	BM	791113	WON		1	327. 65	331. 88	333. 68
CB6	2	7910	3	1400	50. ON	145. OW	BM	791113	WON		1	327. 64	331. 86	333. 66
199	2	7910	6	1400	50. ON	145. OW	BMD	791128	KEE	545	1510	329. 53	333. 94	333. 66
200	2	7910	6	1400	50. ON	145. OW	BMD	791128	KEE	545	1510	329. 53	333. 94	333. 66
CB7	2	7910	6	1400	50. ON	145. OW	BM	791114	WON		1	327. 92	332. 15	333. 95 *
CB8	2	7910	6	1400	50. ON	145. OW	BM	791114	WON		1	327. 88	332. 11	333. 91 *
CB9	2	791010	1400	50. ON	145. OW	DHE	791114	WON		1	328. 20	332. 43	334. 23	
C90	2	791010	1400	50. ON	145. OW	DHE	791114	WON		1	328. 31	332. 55	334. 35	
201	2	791013	1400	50. ON	145. OW	JH	791128	KEE	546	1510	331. 32	335. 79	335. 51	
202	2	791013	1400	50. ON	145. OW	JH	791128	KEE	546	1510	331. 41	335. 88	335. 60	
C91	2	791013	1400	50. ON	145. OW	DHE	791114	WON		1	329. 39	333. 67	335. 47 *	
C92	2	791013	1400	50. ON	145. OW	DHE	791114	WON		1	329. 40	333. 69	335. 49 *	
C93	2	791017	1400	50. ON	145. OW	BM	791114	WON		1	329. 61	333. 90	335. 71	
C94	2	791017	1400	50. ON	145. OW	BM	791114	WON		1	329. 54	333. 82	335. 63	
203	2	791020	1400	50. ON	145. OW	BMD	791128	KEE	547	1510	330. 61	335. 05	334. 77	
204	2	791020	1400	50. ON	145. OW	BMD	791128	KEE	547	1510	330. 61	335. 05	334. 77	
C95	2	791020	1400	50. ON	145. OW	BM	791114	WON		1	328. 30	332. 55	334. 36 *	
C96	2	791020	1400	50. ON	145. OW	BM	791115	WON		1	328. 42	332. 67	334. 48 *	
C65	2	791024	1220	49. 9N	145. OW	BJW	791212	WON		1	329. 83	334. 13	335. 94	
C66	2	791024	1220	49. 9N	145. OW	BJW	791212	WON		1	329. 80	334. 11	335. 92	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
121	2	791028	1215	50. ON	145. OW	BJW	80 131	KEE	548	1542	332. 34	336. 87	336. 59	
122	2	791028	1215	50. ON	145. OW	BJW	80 131	KEE	548	1542	332. 52	337. 06	336. 78	
C67	2	791028	1215	49. 7N	145. OW	BJW	791212	WON		1	330. 58	334. 92	336. 73	*
C68	2	791028	1215	49. 7N	145. OW	BJW	791213	WON		1	330. 74	335. 08	336. 89	*
C69	2	791031	1155	49. 9N	144. 9W	QL	791213	WON		1	331. 38	335. 75	337. 56	
C70	2	791031	1155	49. 9N	144. 9W	QL	791213	WON		1	331. 28	335. 64	337. 45	
123	2	7911 4	1155	50. ON	145. OW	QL	80 131	KEE	549	1542	331. 78	336. 28	336. 00	
124	2	7911 4	1155	50. ON	145. OW	QL	80 131	KEE	549	1542	331. 87	336. 39	336. 11	
C71	2	7911 4	1140	49. 9N	144. 8W	QL	791213	WON		1	330. 10	334. 42	336. 24	*
C72	2	7911 4	1140	49. 9N	144. 8W	QL	791213	WON		1	330. 12	334. 43	336. 25	*
C129	2	7911 7	1215	50. ON	144. 8W	RR	791213	WON		1	331. 85	336. 23	338. 05	
C130	2	7911 7	1215	50. ON	144. 8W	RR	791213	WON		1	331. 74	336. 12	337. 94	
125	2	791111	1155	50. ON	145. OW	RR	80 131	KEE	550	1542	340. 03	344. 92	344. 64	*
126	2	791111	1155	50. ON	145. OW	RR	80 131	KEE	550	1542	332. 70	337. 25	336. 97	*
C131	2	791111	1150	50. ON	144. 9W	RR	791213	WON		1	330. 75	335. 09	336. 91	
C132	2	791111	1150	50. ON	144. 9W	RR	791214	WON		1	330. 53	334. 86	336. 68	
C133	2	791114	1255	50. ON	144. 9W	QL	791214	WON		1	331. 24	335. 60	337. 42	
C134	2	791114	1255	50. ON	144. 9W	QL	791214	WON		1	331. 11	335. 46	337. 28	
127	2	791118	1150	50. ON	145. OW	QL	80 131	KEE	551	1542	333. 25	337. 82	337. 54	
128	2	791118	1150	50. ON	145. OW	QL	80 131	KEE	551	1542	333. 15	337. 72	337. 44	
C135	2	791118	1140	50. ON	144. 9W	QL	791214	WON		1	331. 49	335. 86	337. 68	*
C136	2	791118	1140	50. ON	144. 9W	QL	791214	WON		1	331. 52	335. 90	337. 72	*
C33	2	791121	1220	50. 1N	144. 9W	PW	791214	WON		1	331. 43	335. 80	337. 62	
C34	2	791121	1220	50. 1N	144. 9W	PW	791214	WON		1	331. 56	335. 93	337. 75	
129	2	791125	1220	50. ON	145. OW	PW	80 131	KEE	552	1542	333. 25	337. 82	337. 54	
130	2	791125	1220	50. ON	145. OW	PW	80 131	KEE	552	1542	333. 07	337. 63	337. 35	
C35	2	791125	1220	50. ON	144. 9W	PW	791214	WON		1	331. 32	335. 68	337. 50	*
C36	2	791125	1220	50. ON	144. 9W	PW	791217	WON		1	331. 37	335. 73	337. 55	*
C38	2	791128	1140	49. 6N	144. 7W	QL	791217	WON		1	331. 94	336. 33	338. 15	
C37	2	791128	1140	49. 6N	144. 7W	QL	791217	WON		1	332. 19	336. 58	338. 40	
131	2	7912 2	1140	50. ON	145. OW	QL	80 131	KEE	553	1542	335. 08	339. 72	339. 44	
132	2	7912 2	1140	50. ON	145. OW	QL	80 131	KEE	553	1542	335. 16	339. 81	339. 53	
C39	2	7912 2	1155	49. 8N	142. 5W	QL	791217	WON		1	333. 53	337. 98	339. 80	*
C40	2	7912 2	1155	49. 8N	142. 5W	QL	791217	WON		1	333. 40	337. 85	339. 67	*
C161	2	7912 5	1400	50. ON	145. OW	RW	80 122	WON		1	331. 42	335. 79	337. 61	
C162	2	7912 5	1400	50. ON	145. OW	RW	80 122	WON		1	331. 46	335. 85	337. 67	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET #	FIELD ANAL	J	X82	X82 CORR	FLAG CODE
1	2	7912	8 1345	50. ON	145. OW	RW	80 131	KEE	554	1543	336. 63	341. 34	341. 06	
2	2	7912	8 1345	50. ON	145. OW	RW	80 131	KEE	554	1543	336. 91	341. 64	341. 36	
C163	2	7912	8 1400	50. ON	145. OW	RW	80 122	WON		1	334. 05	338. 53	340. 36	*
C164	2	7912	8 1400	50. ON	145. OW	RW	80 122	WON		1	333. 91	338. 39	340. 22	*
C165	2	791212	1300	50. ON	145. OW	LEM	80 122	WON		1	332. 22	336. 63	338. 46	*
C166	2	791212	1300	50. ON	145. OW	LEM	80 124	WON		1	332. 64	337. 06	338. 89	*
3	2	791216	1400	50. ON	145. OW	BMD	80 131	KEE	555	1543	333. 79	338. 38	338. 10	
4	2	791216	1400	50. ON	145. OW	BMD	80 131	KEE	555	1543	333. 88	338. 48	338. 20	
C167	2	791216	1400	50. ON	145. OW	BM	80 124	WON		1	331. 87	336. 26	338. 09	*
C168	2	791216	1400	50. ON	145. OW	BM	80 124	WON		1	331. 72	336. 11	337. 94	*
C169	2	791219	1400	50. ON	145. OW	BM	80 124	WON		1	332. 51	336. 93	338. 76	
C170	2	791219	1400	50. ON	145. OW	BM	80 124	WON		1	332. 30	336. 71	338. 54	
5	2	791222	1400	50. ON	145. OW	BMD	80 131	KEE	556	1543	334. 80	339. 43	339. 15	
6	2	791222	1400	50. ON	145. OW	BMD	80 131	KEE	556	1543	334. 88	339. 52	339. 24	
C171	2	791222	1400	50. ON	145. OW	BM	80 124	WON		1	332. 83	337. 26	339. 09	* *
C172	2	791222	1400	50. ON	145. OW	BM	80 124	WON		1	333. 65	338. 12	339. 95	* *
C173	2	791226	1410	50. ON	145. OW	RW	80 125	WON		1	334. 17	338. 66	340. 49	
C174	2	791226	1410	50. ON	145. OW	RW	80 125	WON		1	334. 17	338. 66	340. 49	
7	2	791229	1400	50. ON	145. OW	RW	80 131	KEE	557	1543	335. 71	340. 39	340. 11	
8	2	791229	1400	50. ON	145. OW	RW	80 131	KEE	557	1543	335. 89	340. 58	340. 30	
C175	2	791229	1400	50. ON	145. OW	RW	80 125	WON		1	334. 17	338. 65	340. 47	*
C176	2	791229	1400	50. ON	145. OW	RW	80 125	WON		1	333. 96	338. 45	340. 27	*
C9	2	80 1 2	1400	50. ON	145. OW	DHE	80 125	WON		1	333. 08	337. 52	339. 34	
C10	2	80 1 2	1400	50. ON	145. OW	DHE	80 125	WON		1	333. 02	337. 46	339. 28	
9	2	80 1 5	1405	50. ON	145. OW	HE	80 131	KEE	558	1543	334. 61	339. 24	338. 96	
10	2	80 1 5	1405	50. ON	145. OW	HE	80 131	KEE	558	1543	334. 70	339. 33	339. 05	
C11	2	80 1 5	1400	51. 8N	144. 8W	DHE	80 125	WON		1	333. 04	337. 48	339. 30	*
C12	2	80 1 5	1400	51. 8N	144. 8W	DHE	80 125	WON		1	333. 06	337. 51	339. 33	*
C13	2	80 1 9	1400	50. ON	145. OW	DW	80 128	WON		1	333. 46	337. 93	339. 75	*
C14	2	80 1 9	1400	50. ON	145. OW	DW	80 128	WON		1	333. 06	337. 51	339. 33	*
11	2	80 112	1405	50. ON	145. OW	DW	80 131	KEE	559	1543	335. 98	340. 67	340. 39	
12	2	80 112	1405	50. ON	145. OW	DW	80 131	KEE	559	1543	336. 16	340. 86	340. 58	
C15	2	80 112	1400	50. ON	145. OW	DW	80 128	WON		1	333. 82	338. 30	340. 12	*
C16	2	80 112	1400	50. ON	145. OW	DW	80 128	WON		1	333. 88	338. 36	340. 18	*
C1	2	80 116	1140	49. 8N	143. 2W	GL	80 317	WON		1	334. 76	339. 29	341. 11	
C2	2	80 116	1140	49. 8N	143. 2W	GL	80 317	WON		1	334. 69	339. 22	341. 04	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
133	2	80 120	1130	50.0N	145.0W	QL	80 521	KEE	560	1596	334.09	338.73	338.45	
134	2	80 120	1130	50.0N	145.0W	QL	80 521	KEE	560	1596	333.92	338.55	338.27	
C3	2	80 120	1125	50.1N	145.0W	QL	80 317	WON		1	332.53	336.96	338.78	*
C4	2	80 120	1125	50.1N	145.0W	QL	80 317	WON		1	332.24	336.67	338.49	*
C5	2	80 123	1125	50.0N	144.9W	RR	80 317	WON		1	334.21	338.73	340.55	
C6	2	80 123	1125	50.0N	144.9W	RR	80 317	WON		1	334.51	339.02	340.84	
135	2	80 127	1110	50.0N	145.0W	QL	80 521	KEE	561	1596	338.28	343.12	342.84	*
136	2	80 127	1110	50.0N	145.0W	QL	80 521	KEE	561	1596	336.10	340.83	340.55	*
C7	2	80 127	1105	49.9N	147.2W	QL	80 317	WON		1	334.48	339.00	340.82	*
C8	2	80 127	1105	49.9N	147.2W	QL	80 317	WON		1	334.02	338.52	340.34	*
C33	2	80 130	1255	48.6N	144.9W	PW	80 317	WON		1	332.56	337.00	338.81	
C34	2	80 130	1255	48.6N	144.9W	PW	80 318	WON		1	332.92	337.38	339.19	
137	2	80 2 3	1110	50.0N	145.0W	QL	80 521	KEE	562	1596	336.19	340.92	340.64	
138	2	80 2 3	1110	50.0N	145.0W	QL	80 521	KEE	562	1596	336.10	340.83	340.55	
C35	2	80 2 3	1100	50.0N	144.9W	QL	80 318	WON		1	334.09	338.60	340.41	*
C36	2	80 2 3	1100	50.0N	144.9W	QL	80 318	WON		1	334.08	338.58	340.39	*
C37	2	80 2 6	1120	50.0N	145.0W	WS	80 318	WON		1	334.73	339.26	341.07	
C38	2	80 2 6	1120	50.0N	145.0W	WS	80 318	WON		1	335.08	339.63	341.44	
139	2	80 210	1105	50.0N	145.0W	QL	80 521	KEE	563	1596	335.93	340.65	340.37	
140	2	80 210	1105	50.0N	145.0W	QL	80 521	KEE	563	1596	335.69	340.40	340.12	
C39	2	80 210	1100	50.2N	144.9W	QL	80 318	WON		1	333.80	338.30	340.11	*
C40	2	80 210	1100	50.2N	144.9W	QL	80 318	WON		1	333.71	338.21	340.02	*
C129	2	80 213	1150	50.0N	144.9W	BJW	80 318	WON		1	333.86	338.35	340.16	
C130	2	80 213	1150	50.0N	144.9W	BJW	80 319	WON		1	334.15	338.66	340.47	
141	2	80 217	1120	50.0N	145.0W	QL	80 521	KEE	564	1596	337.20	341.98	341.70	*
C131	2	80 217	2010	49.9N	144.9W	QL	80 319	WON		1	335.36	339.92	341.72	
C132	2	80 217	2010	49.9N	144.9W	QL	80 319	WON		1	335.19	339.74	341.54	
C133	2	80 220	2025	50.0N	144.9W	RR	80 319	WON		1	334.57	339.09	340.89	
C134	2	80 220	2025	50.0N	144.9W	RR	80 319	WON		1	334.26	338.77	340.57	
143	2	80 224	1130	50.0N	145.0W	QL	80 521	KEE	565	1596	336.86	341.62	341.34	*
C135	2	80 224	1120	49.8N	142.4W	QL	80 319	WON		1	334.80	339.33	341.13	
C136	2	80 224	1120	49.8N	142.4W	QL	80 319	WON		1	334.81	339.34	341.14	
C89	2	80 227	1400	50.0N	145.0W	RW	80 416	WON		1	367.24	374.30	376.10	*
C90	2	80 227	1400	50.0N	145.0W	RW	80 416	WON		1	335.39	339.96	341.76	*
97	2	80 3 1	1400	50.0N	145.0W	RW	80 521	KEE	566	1597	336.36	341.10	340.82	*
C91	2	80 3 1	1400	50.0N	145.0W	RW	80 417	WON		1	334.79	339.34	341.13	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE	
C92	2	80 3 1	1400	50. ON	145. OW	RW	80 417	WON		1		334. 74	339. 27	341. 06	
C93	2	80 3 5	1400	50. ON	145. OW	DHE	80 417	WON		1		335. 68	340. 27	342. 06	
C94	2	80 3 5	1400	50. ON	145. OW	DHE	80 417	WON		1		335. 45	340. 02	341. 81	
99	2	80 3 8	1405	50. ON	145. OW	JH	80 521	KEE	567	1597		336. 27	341. 01	340. 73	
100	2	80 3 8	1405	50. ON	145. OW	JH	80 521	KEE	567	1597		336. 36	341. 10	340. 82	
C95	2	80 3 8	1400	50. ON	145. OW	DHE	80 417	WON		1		334. 63	339. 16	340. 95	*
C96	2	80 3 8	1400	50. ON	145. OW	DHE	80 417	WON		1		334. 61	339. 15	340. 94	*
C153	2	80 312	1400	50. ON	145. OW	LEM	80 417	WON		1		336. 43	341. 05	342. 83	*
C154	2	80 312	1400	50. ON	145. OW	LEM	80 417	WON		1		337. 21	341. 87	343. 65	*
103	2	80 315	1355	50. ON	145. OW	LM	80 521	KEE	568	1597		337. 20	341. 98	341. 70	
104	2	80 315	1355	50. ON	145. OW	LM	80 521	KEE	568	1597		337. 11	341. 89	341. 61	
C155	2	80 315	1355	49. 7N	145. OW	LEM	80 418	WON		1		336. 05	340. 65	342. 43	* *
C156	2	80 315	1355	49. 7N	145. OW	LEM	80 418	WON		1		335. 15	339. 71	341. 49	* *
C157	2	80 319	1400	50. ON	145. OW	RW	80 418	WON		1		337. 45	342. 13	343. 91	
C158	2	80 319	1400	50. ON	145. OW	RW	80 418	WON		1		337. 10	341. 75	343. 53	
101	2	80 322	1400	50. ON	145. OW	RW	80 521	KEE	569	1597		341. 82	346. 85	346. 57	*
102	2	80 322	1400	50. ON	145. OW	RW	80 521	KEE	569	1597		337. 03	341. 80	341. 52	*
C159	2	80 322	1400	50. ON	145. OW	RW	80 418	WON		1		335. 71	340. 30	342. 07	
C160	2	80 322	1400	50. ON	145. OW	RW	80 418	WON		1		335. 56	340. 14	341. 91	
C161	2	80 326	1400	50. ON	145. OW	BM	80 418	WON		1		335. 45	340. 02	341. 79	
C162	2	80 326	1400	50. ON	145. OW	BM	80 418	WON		1		335. 55	340. 13	341. 90	
105	2	80 329	1400	50. ON	145. OW	BMD	80 521	KEE	570	1597		336. 36	341. 10	340. 82	
106	2	80 329	1400	50. ON	145. OW	BMD	80 521	KEE	570	1597		336. 53	341. 28	341. 00	
C163	2	80 329	1400	50. ON	145. OW	BM	80 421	WON		1		334. 90	339. 45	341. 21	*
C164	2	80 329	1400	50. ON	145. OW	BM	80 421	WON		1		334. 74	339. 29	341. 05	*
C165	2	80 4 2	1400	50. ON	145. OW	DW	80 421	WON		1		336. 10	340. 71	342. 47	
C166	2	80 4 2	1400	50. ON	145. OW	DW	80 421	WON		1		336. 31	340. 93	342. 69	
108	2	80 4 5	1400	50. ON	145. OW	DW	80 521	KEE	571	1597		338. 71	343. 57	343. 29	*
C167	2	80 4 5	1400	50. ON	145. OW	DW	80 421	WON		1		337. 08	341. 73	343. 48	
C168	2	80 4 5	1400	50. ON	145. OW	DW	80 421	WON		1		336. 90	341. 54	343. 29	
194	2	80 413	1245	50. ON	145. OW	PJH	80 812	KEE	572	1632		343. 91	349. 09	348. 81	*
C25	2	80 413	1245	50. ON	145. OW	PJH	80 613	WON		1		337. 76	342. 46	344. 20	
C26	2	80 413	1245	50. ON	145. OW	PJH	80 616	WON		1		337. 99	342. 71	344. 45	
195	2	80 420	1255	50. ON	145. OW	PW	80 812	KEE	573	1632		338. 58	343. 45	343. 17	
196	2	80 420	1255	50. ON	145. OW	PW	80 812	KEE	573	1632		338. 49	343. 36	343. 08	
C27	2	80 420	1245	50. ON	145. OW	PW	80 616	WON		1		336. 68	341. 33	343. 06	*



FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE			
		DATE	TIME	LAT	LONG				FIELD	ANAL							
C28	2	80	420	1245	50.0N	145.0W	PW	80	616	WON		1	336.68	341.34	343.07	*	
197	2	80	427	1215	50.0N	145.0W	WS	80	812	KEE	574	1632	339.26	344.17	343.89		
198	2	80	427	1215	50.0N	145.0W	WS	80	812	KEE	574	1632	339.26	344.17	343.89		
C29	2	80	427	1200	50.0N	144.9W	WS	80	616	WON		1	337.76	342.46	344.18	*	
C30	2	80	427	1200	50.0N	144.9W	WS	80	616	WON		1	337.58	342.27	343.99	*	
199	2	80	5	4	1140	50.0N	145.0W	PW	80	812	KEE	575	1632	338.23	343.09	342.81	
200	2	80	5	4	1140	50.0N	145.0W	PW	80	812	KEE	575	1633	338.23	343.09	342.81	
C31	2	80	5	4	1145	50.1N	145.5W	PW	80	616	WON		1	336.99	341.66	343.37	*
C32	2	80	5	4	1145	50.1N	145.5W	PW	80	616	WON		1	336.80	341.46	343.17	*
201	2	80	511	1245	50.0N	145.0W	BJW	80	812	KEE	576	1633	339.93	344.88	344.60	*	
202	2	80	511	1245	50.0N	145.0W	BJW	80	812	KEE	576	1633	339.26	344.17	343.89	*	
C129	2	80	511	1245	50.0N	145.0W	BW	80	613	WON		1	337.85	342.56	344.26		
C130	2	80	511	1245	50.0N	145.0W	BW	80	613	WON		1	337.93	342.64	344.34		
C133	2	80	511	1605	49.9N	145.0W	PW	80	613	WON		1	337.63	342.33	344.03		
C134	2	80	511	1605	49.9N	145.0W	PW	80	613	WON		1	337.27	341.95	343.65		
C135	2	80	511	2000	49.9N	145.0W	PJH	80	613	WON		1	337.62	342.31	344.01		
C136	2	80	511	2000	49.9N	145.0W	PJH	80	613	WON		1	337.46	342.14	343.84		
C169	2	80	512	0000	49.9N	145.0W	WRS	80	616	WON		1	338.06	342.77	344.46	*	
C170	2	80	512	0000	49.9N	145.0W	WRS	80	617	WON		1	337.46	342.15	343.84	*	
C171	2	80	512	0410	50.0N	145.0W	PH	80	617	WON		1	337.59	342.28	343.97		
C172	2	80	512	0410	50.0N	145.0W	PH	80	617	WON		1	337.59	342.28	343.97		
C173	2	80	512	0805	50.0N	145.0W	BW	80	617	WON		1	338.16	342.89	344.58	*	
C174	2	80	512	0805	50.0N	145.0W	BW	80	617	WON		1	337.75	342.45	344.14	*	
C175	2	80	512	1210	50.0N	145.0W	PW	80	617	WON		1	337.66	342.35	344.04		
C176	2	80	512	1210	50.0N	145.0W	PW	80	617	WON		1	337.68	342.38	344.07		
203	2	80	518	1255	50.0N	145.0W	PW	80	812	KEE	577	1633	339.60	344.53	344.25		
204	2	80	518	1255	50.0N	145.0W	PW	80	812	KEE	577	1633	339.60	344.53	344.25		
C131	2	80	518	1245	49.8N	142.4W	PW	80	613	WON		1	337.93	342.64	344.32	*	
C132	2	80	518	1245	49.8N	142.4W	PW	80	613	WON		1	337.96	342.67	344.35	*	
A145	2	80	521	1400	50.0N	145.0W	RW	80	7	7	WON		1	337.64	342.34	344.02	
A146	2	80	521	1400	50.0N	145.0W	RW	80	7	7	WON		1	337.58	342.28	343.96	
265	2	80	524	1400	50.0N	145.0W	RW	80	812	KEE	578	1633	340.00	344.96	344.68		
266	2	80	524	1400	50.0N	145.0W	RW	80	812	KEE	578	1633	339.92	344.87	344.59		
A147	2	80	524	1400	50.0N	145.0W	RW	80	7	7	WON		1	338.42	343.15	344.82	*
A148	2	80	524	1400	50.0N	145.0W	RW	80	7	7	WON		1	338.24	342.98	344.65	*
A149	2	80	528	1400	50.0N	145.0W	BM	80	7	7	WON		1	336.60	341.25	342.91	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
A150	2	80 528	1400	50. ON	145. OW	BM	80 7 7	WON		1	336. 87	341. 54	343. 20	
267	2	80 531	1400	50. ON	145. OW	BMD	80 812	KEE	579	1633	339. 42	344. 34	344. 06	
268	2	80 531	1400	50. ON	145. OW	BMD	80 812	KEE	579	1633	339. 42	344. 34	344. 06	
A151	2	80 531	1400	50. ON	145. OW	BM	80 7 7	WON		1	338. 12	342. 85	344. 51	*
A152	2	80 531	1400	50. ON	145. OW	BM	80 7 7	WON		1	338. 17	342. 90	344. 56	*
A289	2	80 6 4	1400	50. ON	145. OW	DW	80 7 4	WON		1	336. 20	340. 84	342. 49	
A290	2	80 6 4	1400	50. ON	145. OW	DW	80 7 4	WON		1	336. 27	340. 90	342. 55	
269	2	80 6 7	1400	50. ON	145. OW	DW	80 812	KEE	580	1633	338. 31	343. 17	342. 89	
270	2	80 6 7	1400	50. ON	145. OW	DW	80 812	KEE	580	1633	338. 23	343. 09	342. 81	
A291	2	80 6 7	1400	50. ON	145. OW	DW	80 7 4	WON		1	336. 66	341. 32	342. 96	*
A292	2	80 6 7	1400	50. ON	145. OW	DW	80 7 4	WON		1	336. 69	341. 34	342. 98	*
A293	2	80 611	1400	50. ON	145. OW	RW	80 7 4	WON		1	335. 43	340. 03	341. 66	
A294	2	80 611	1400	50. ON	145. OW	RW	80 7 4	WON		1	335. 32	339. 91	341. 54	
271	2	80 614	1400	50. ON	145. OW	RW	80 812	KEE	581	1633	338. 56	343. 44	343. 16	
272	2	80 614	1400	50. ON	145. OW	RW	80 812	KEE	581	1633	338. 39	343. 26	342. 98	
A295	2	80 614	1400	50. ON	145. OW	RW	80 7 4	WON		1	337. 29	341. 96	343. 59	*
A296	2	80 614	1400	50. ON	145. OW	RW	80 7 4	WON		1	336. 90	341. 57	343. 20	*
A241	2	80 618	1400	50. ON	145. OW	DHE	80 7 8	WON		1	336. 30	340. 94	342. 56	
A242	2	80 618	1400	50. ON	145. OW	DHE	80 7 8	WON		1	336. 21	340. 84	342. 46	
273	2	80 621	1405	50. ON	145. OW	JH	80 812	KEE	582	1633	336. 03	340. 78	340. 50	
274	2	80 621	1405	50. ON	145. OW	JH	80 812	KEE	582	1633	336. 03	340. 78	340. 50	
A243	2	80 621	1400	50. ON	145. OW	DHE	80 7 8	WON		1	333. 51	338. 02	339. 63	*
A244	2	80 621	1400	50. ON	145. OW	DHE	80 7 8	WON		1	333. 53	338. 05	339. 66	*
A245	2	80 625	1400	50. ON	145. OW	LM	80 7 8	WON		1	334. 48	339. 03	340. 63	
A246	2	80 625	1400	50. ON	145. OW	LM	80 7 8	WON		1	334. 71	339. 29	340. 89	
275	2	80 628	1400	50. ON	145. OW	LM	80 812	KEE	583	1633	336. 03	340. 78	340. 50	
276	2	80 628	1400	50. ON	145. OW	LM	80 812	KEE	583	1633	336. 03	340. 78	340. 50	
A247	2	80 628	1400	50. ON	145. OW	LM	80 7 8	WON		1	333. 80	338. 33	339. 92	*
A248	2	80 628	1400	50. ON	145. OW	LM	80 7 8	WON		1	333. 51	338. 02	339. 61	*
C25	2	80 7 2	1210	49. 9N	145. 2W	PW	80 818	WON		1	334. 11	338. 66	340. 24	
C26	2	80 7 2	1210	49. 9N	145. 2W	PW	80 818	WON		1	334. 30	338. 86	340. 44	
121	2	80 7 6	1150	50. ON	145. OW	QL	801112	KEE	584	1649	335. 05	339. 68	339. 40	
122	2	80 7 6	1151	50. ON	145. OW	QL	801112	KEE	584	1649	334. 87	339. 49	339. 21	
C27	2	80 7 6	1135	50. ON	145. OW	QL	80 819	WON		1	333. 32	337. 83	339. 40	*
C28	2	80 7 6	1135	50. ON	145. OW	QL	80 819	WON		1	333. 18	337. 71	339. 28	*
C29	2	80 7 9	1130	50. 1N	144. 8W	PJH	80 819	WON		1	333. 71	338. 24	339. 81	

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
C30	2	80 7 9 1130	50.1N 144.8W	PJH	80 819	WON	1	333.60	338.13	339.70	
123	2	80 713 1135	50.ON 145.0W	QL	801112	KEE	585 1649	332.34	336.85	336.57	
124	2	80 713 1136	50.ON 145.0W	QL	801112	KEE	585 1649	332.34	336.85	336.57	
C31	2	80 713 1125	50.ON 144.9W	QL	80 819	WON	1	331.05	335.49	337.04	*
C32	2	80 713 1125	50.ON 144.9W	QL	80 819	WON	1	330.92	335.36	336.91	*
C57	2	80 716 1150	50.ON 144.9W	BW	80 819	WON	1	331.04	335.48	337.03	
C58	2	80 716 1150	50.ON 144.9W	BW	80 819	WON	1	330.98	335.41	336.96	
125	2	80 720 1120	50.ON 145.0W	QL	801112	KEE	586 1649	330.53	334.98	334.70	
126	2	80 720 1121	50.ON 145.0W	QL	801112	KEE	586 1649	330.53	334.98	334.70	
C59	2	80 720 1135	50.ON 145.0W	QL	80 820	WON	1	328.98	333.33	334.87	*
C60	2	80 720 1135	50.ON 145.0W	QL	80 820	WON	1	329.13	333.49	335.03	*
C61	2	80 724 1215	50.ON 144.9W	DJ	80 820	WON	1	326.04	330.32	331.85	
C62	2	80 724 1215	50.ON 144.9W	DJ	80 820	WON	1	326.01	330.29	331.82	
127	2	80 727 1130	50.ON 145.0W	QL	801112	KEE	587 1649	330.00	334.42	334.14	
128	2	80 727 1131	50.ON 145.0W	QL	801112	KEE	587 1649	329.81	334.23	333.95	
C63	2	80 727 1140	50.ON 144.9W	QL	80 820	WON	1	328.20	332.54	334.06	*
C64	2	80 727 1140	50.ON 144.9W	QL	80 820	WON	1	328.42	332.77	334.29	*
C185	2	80 730 1215	50.ON 144.9W	PW	80 820	WON	1	326.63	330.93	332.44	
C186	2	80 730 1215	50.ON 144.9W	PW	80 820	WON	1	326.73	331.02	332.53	
129	2	80 8 3 1130	50.ON 145.0W	QL	801112	KEE	588 1649	330.72	335.17	334.89	
130	2	80 8 3 1131	50.ON 145.0W	QL	801112	KEE	588 1649	330.35	334.79	334.51	
C187	2	80 8 3 1140	50.1N 144.9W	QL	80 821	WON	1	329.40	333.77	335.27	* *
C188	2	80 8 3 1140	50.1N 144.9W	QL	80 821	WON	1	329.82	334.21	335.71	* *
C189	2	80 8 6 1140	49.9N 145.0W	PJH	80 821	WON	1	331.00	335.44	336.93	&
C190	2	80 8 6 1140	49.9N 145.0W	PJH	80 821	WON	1	330.76	335.18	336.67	&
131	2	80 810 1135	50.ON 145.0W	QL	801112	KEE	589 1649	332.62	337.14	336.86	&
132	2	80 810 1136	50.ON 145.0W	QL	801112	KEE	589 1649	332.88	337.42	337.14	&
C191	2	80 810 1145	49.8N 142.5W	QL	80 821	WON	1	331.26	335.71	337.19	& *
C192	2	80 810 1145	49.8N 142.5W	QL	80 821	WON	1	331.32	335.77	337.25	& *
C1	2	80 813 1400	50.ON 145.0W	RW	801022	WON	1	326.49	330.80	332.27	
C2	2	80 813 1400	50.ON 145.0W	RW	801022	WON	1	326.34	330.65	332.12	
183	2	80 816 1400	50.ON 145.0W	RW	801211	KEE	590 1659	331.19	335.67	335.39	&
184	2	80 816 1401	50.ON 145.0W	RW	801211	KEE	590 1659	331.19	335.67	335.39	&
C3	2	80 816 1400	50.ON 145.0W	RW	801022	WON	1	328.85	333.23	334.69	& *
C4	2	80 816 1400	50.ON 145.0W	RW	801023	WON	1	329.11	333.50	334.96	& *
C5	2	80 820 1535	50.ON 145.0W	DW	801023	WON	1	325.11	329.39	330.84	

FLASK NO.	VOL.	SAMPLE		POSITION		OBSR	ANAL DATE	LAB	SHEET #		J	X82	X82 CORR	FLAG CODE		
		DATE	TIME	LAT	LONG				FIELD	ANAL						
C6	2	80	820	1535	50.0N	145.0W	DW	801023	WON		1	325.22	329.50	330.95		
181	2	80	823	1400	50.0N	145.0W	DW	801211	KEE	591	1659	330.74	335.20	334.92	&	
182	2	80	823	1401	50.0N	145.0W	DW	801211	KEE	591	1659	330.74	335.20	334.92	&	
C7	2	80	823	1400	50.0N	145.0W	DW	801023	WON		1	328.43	332.80	334.24	& *	
C8	2	80	823	1400	50.0N	145.0W	DW	801023	WON		1	328.40	332.77	334.21	& *	
C137	2	80	827	0200	50.0N	145.0W	LEM	801023	WON		1	327.82	332.17	333.60	&	
C138	2	80	827	0200	50.0N	145.0W	LEM	801023	WON		1	327.86	332.22	333.65	&	
185	2	80	830	1400	50.0N	145.0W	LM	801211	KEE	592	1659	332.10	336.61	336.33	&	
186	2	80	830	1401	50.0N	145.0W	LM	801211	KEE	592	1659	332.37	336.89	336.61	&	
C139	2	80	830	1400	50.0N	145.0W	LEM	801024	WON		1	330.27	334.69	336.11	& *	
C140	2	80	830	1400	50.0N	145.0W	LEM	801024	WON		1	330.04	334.46	335.88	& *	
C141	2	80	9	3	1400	50.0N	145.0W	RW	801024	WON		1	324.77	329.04	330.45	
C142	2	80	9	3	1400	50.0N	145.0W	RW	801024	WON		1	324.76	329.03	330.44	
187	2	80	9	6	1400	50.0N	145.0W	RW	801211	KEE	593	1659	328.56	332.94	332.66	
188	2	80	9	6	1401	50.0N	145.0W	RW	801211	KEE	593	1659	328.38	332.76	332.48	
C143	2	80	9	6	1400	50.0N	145.0W	RW	801024	WON		1	326.04	330.34	331.74	*
C144	2	80	9	6	1400	50.0N	145.0W	RW	801024	WON		1	326.14	330.45	331.85	*
C81	2	80	910	1400	50.0N	145.0W	BM	801024	WON		1	326.33	330.64	332.03		
C82	2	80	910	1400	50.0N	145.0W	BM	801024	WON		1	326.20	330.51	331.90		
189	2	80	913	1400	50.0N	145.0W	BMD	801211	KEE	594	1659	328.47	332.86	332.58		
190	2	80	913	1401	50.0N	145.0W	BMD	801211	KEE	594	1659	328.74	333.13	332.85		
C83	2	80	913	1400	50.0N	145.0W	BM	801028	WON		1	326.61	330.93	332.31	*	
C84	2	80	913	1400	50.0N	145.0W	BM	801028	WON		1	326.45	330.76	332.14	*	
C85	2	80	917	1400	42.7N	146.2W	DHE	801028	WON		1	329.09	333.49	334.86	&	
C86	2	80	917	1400	42.7N	146.2W	DHE	801028	WON		1	329.16	333.56	334.93	&	
C87	2	80	920	1400	49.5N	145.1W	DHE	801028	WON		1	329.04	333.42	334.78	&	
C88	2	80	920	1400	49.5N	145.1W	DHE	801028	WON		1	328.85	333.23	334.59	&	
A1	2	80	924	1120	49.8N	144.8W	QL	801218	WON		1	329.44	333.86	335.21		
A2	2	80	924	1120	49.8N	144.8W	QL	801218	WON		1	329.08	333.49	334.84		
157	2	80	928	1130	50.0N	145.0W	JS	81 128	KEE	601	1671	332.42	336.96	336.68	&	
158	2	80	928	1131	50.0N	145.0W	JS	81 128	KEE	601	1671	332.42	336.96	336.68	&	
A3	2	80	928	1135	49.8N	145.2W	QL	801218	WON		1	331.06	335.53	336.86	* *	
A4	2	80	928	1135	49.8N	145.2W	QL	801218	WON		1	332.86	337.40	338.73	* *	
A5	2	8010	1	1130	50.0N	146.1W	JS	801218	WON		1	330.13	334.57	335.89	*	
A6	2	8010	1	1130	50.0N	146.1W	JS	801218	WON		1	331.27	335.76	337.08	*	
159	2	8010	5	1130	50.0N	145.0W	JS	81 128	KEE	602	1671	331.51	336.01	335.73		

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
160	2	8010	5 1131	50.0N	145.0W	JS	81 128	KEE	602	1671	331.42	335.92	335.64	
A7	2	8010	5 1145	56.8N	141.9W	JS	801218	WON		1	332.13	336.64	337.95	* *
A8	2	8010	5 1145	56.8N	141.9W	JS	801219	WON		1	330.55	335.01	336.32	* *
A241	2	8010	8 1140	50.0N	144.8W	QL	801219	WON		1	330.51	334.96	336.26	
A242	2	8010	8 1140	50.0N	144.8W	QL	801219	WON		1	330.45	334.90	336.20	
161	2	801012	1130	50.0N	145.0W	QL	81 128	KEE	603	1671	332.60	337.15	336.87	
162	2	801012	1131	50.0N	145.0W	QL	81 128	KEE	603	1671	332.60	337.15	336.87	
A243	2	801012	1140	50.0N	145.1W	QL	801219	WON		1	331.30	335.78	337.07	*
A244	2	801012	1140	50.0N	145.1W	QL	801219	WON		1	331.05	335.52	336.81	*
A245	2	801015	1100	50.1N	145.0W	PW	801214	WON		1	331.70	336.20	337.48	
A246	2	801015	1100	50.1N	145.0W	PW	801214	WON		1	331.77	336.26	337.54	
163	2	801019	1130	50.0N	145.0W	PW	81 128	KEE	604	1671	333.80	338.39	338.11	
164	2	801019	1131	50.0N	145.0W	PW	81 128	KEE	604	1671	333.80	338.39	338.11	
A247	2	801019	1130	50.1N	144.9W	PW	801222	WON		1	332.80	337.33	338.60	*
A248	2	801019	1130	50.1N	144.9W	PW	801222	WON		1	332.48	337.01	338.28	*
A257	2	801022	1140	49.8N	145.1W	QL	801222	WON		1	333.11	337.67	338.93	
A258	2	801022	1140	49.8N	145.1W	QL	801222	WON		1	333.02	337.57	338.83	
165	2	801026	1125	50.0N	145.0W	QL	81 128	KEE	605	1671	333.53	338.11	337.83	
166	2	801026	1126	50.0N	145.0W	QL	81 128	KEE	605	1671	333.16	337.73	337.45	
A259	2	801026	1135	50.0N	145.0W	QL	801222	WON		1	331.23	335.71	336.96	* *
A260	2	801026	1135	50.0N	145.0W	QL	801222	WON		1	332.04	336.56	337.81	* *
A261	2	801029	1131	50.1N	145.1W	PJH	801222	WON		1	333.18	337.74	338.98	
A262	2	801029	1131	50.1N	145.1W	PJH	801223	WON		1	333.21	337.77	339.01	
167	2	8011	2 1225	50.0N	145.0W	PJH	81 128	KEE	606	1671	333.90	338.49	338.21	
168	2	8011	2 1226	50.0N	145.0W	PJH	81 128	KEE	606	1671	333.80	338.39	338.11	
A263	2	8011	2 1215	49.8N	142.7W	PJH	801223	WON		1	332.67	337.21	338.44	*
A264	2	8011	2 1215	49.8N	142.7W	PJH	801223	WON		1	332.55	337.08	338.31	*
A273	2	8011	5 1400	50.0N	145.0W	DW	81 319	WON		1	333.79	338.39	339.61	
A274	2	8011	5 1400	50.0N	145.0W	DW	81 319	WON		1	333.82	338.43	339.65	
97	2	8011	8 1400	50.0N	145.0W	DW	81 1 6	KEE	595	1662	335.46	340.12	339.84	*
98	2	8011	8 1401	50.0N	145.0W	DW	81 1 6	KEE	595	1662	336.19	340.88	340.60	*
A275	2	8011	8 1400	50.0N	145.0W	DW	81 319	WON		1	334.60	339.25	340.46	*
A276	2	8011	8 1400	50.0N	145.0W	DW	81 319	WON		1	367.74	375.03	376.24	*
A277	2	801112	1315	50.0N	145.0W	BM	81 319	WON		1	334.65	339.30	340.49	*
A278	2	801112	1315	50.0N	145.0W	BM	81 319	WON		1	335.13	339.80	340.99	*
99	2	801115	1310	50.0N	145.0W	BMD	81 1 6	KEE	596	1662	335.82	340.50	340.22	

FLASK NO.	VOL.	SAMPLE DATE TIME		POSITION LAT LONG		OBSR	ANAL DATE		LAB	SHEET # FIELD ANAL		J	X82	X82 CORR	FLAG CODE
100	2	801115	1311	50. ON	145. OW	BMD	81 1 6	KEE	596	1662		335.82	340.50	340.22	
A279	2	801115	1310	50. ON	145. OW	BM	81 319	WON		1		334.65	339.30	340.48	* *
A280	2	801115	1310	50. ON	145. OW	BM	81 319	WON		1		335.21	339.88	341.06	* *
A281	2	801119	1310	49. 6N	144. 6W	BM	81 320	WON		1		334.53	339.17	340.34	
A282	2	801119	1310	49. 6N	144. 6W	BM	81 320	WON		1		334.56	339.20	340.37	
101	2	801122	1310	50. ON	145. OW	BMD	81 1 6	KEE	597	1662		336.19	340.88	340.60	
102	2	801122	1311	50. ON	145. OW	BMD	81 1 6	KEE	597	1662		336.10	340.79	340.51	
A283	2	801122	1310	50. ON	145. OW	BM	81 320	WON		1		334.96	339.63	340.79	*
A284	2	801122	1310	50. ON	145. OW	BM	81 320	WON		1		334.70	339.35	340.51	*
A285	2	801127	1350	51. 1N	141. OW	DHE	81 320	WON		1		334.32	338.95	340.10	
A286	2	801127	1350	51. 1N	141. OW	DHE	81 5 4	WON		1		334.31	338.96	340.11	
103	2	801130	1410	50. ON	145. OW	JH	81 1 6	KEE	598	1662		337.10	341.84	341.56	#
104	2	801130	1411	50. ON	145. OW	JH	81 1 6	KEE	598	1662		337.10	341.84	341.56	#
A287	2	801130	1400	50. ON	145. OW	DHE	81 5 4	WON		1		334.82	339.49	340.63	*
A288	2	801130	1400	50. ON	145. OW	DHE	81 5 4	WON		1		334.87	339.54	340.68	*
A177	2	8012 3	1330	50. ON	145. OW	DHE	81 5 4	WON		1		334.97	339.65	340.78	*
A178	2	8012 3	1330	50. ON	145. OW	DHE	81 5 4	WON		1		335.48	340.18	341.31	*
105	2	8012 6	1310	50. ON	145. OW	LM	81 1 6	KEE	599	1662		335.28	339.94	339.66	
106	2	8012 6	1311	50. ON	145. OW	LM	81 1 6	KEE	599	1662		335.19	339.84	339.56	
A179	2	8012 6	1300	50. 1N	142. 9W	LEM	81 5 4	WON		1		336.80	341.57	342.69	* *
A180	2	8012 6	1300	50. 1N	142. 9W	LEM	81 5 4	WON		1		334.80	339.47	340.59	* *
A181	2	801210	1310	50. ON	142. 3W	LEM	81 5 5	WON		1		335.37	340.07	341.18	
A182	2	801210	1310	50. ON	142. 3W	LEM	81 5 5	WON		1		335.27	339.97	341.08	
107	2	801213	1400	50. ON	145. OW	LM	81 1 6	KEE	600	1662		337.19	341.93	341.65	*
108	2	801213	1401	50. ON	145. OW	LM	81 1 6	KEE	600	1662		336.00	340.69	340.41	*
A183	2	801213	1400	50. ON	145. OW	LEM	81 5 5	WON		1		334.65	339.32	340.42	
A184	2	801213	1400	50. ON	145. OW	LEM	81 5 5	WON		1		334.30	338.95	340.05	
265	2	801214	1135	50. ON	145. OW	QL	81 326	KEE	601	1685		334.49	339.14	338.86	
266	2	801214	1136	50. ON	145. OW	QL	81 326	KEE	601	1685		334.49	339.14	338.86	
C9	2	801214	1145	49. 6N	139. 1W	QL	81 219	WON		1		333.58	338.18	339.27	*
C10	2	801214	1145	49. 6N	139. 1W	QL	81 219	WON		1		333.31	337.89	338.98	*
C11	2	801217	1140	50. ON	145. 1W	QL	81 219	WON		1		335.33	340.00	341.08	
C12	2	801217	1140	50. ON	145. 1W	QL	81 219	WON		1		335.29	339.96	341.04	
267	2	801221	1135	50. ON	145. OW	QL	81 326	KEE	602	1685		336.99	341.75	341.47	
268	2	801221	1136	50. ON	145. OW	QL	81 326	KEE	602	1685		337.09	341.85	341.57	
C13	2	801221	1145	50. ON	145. 1W	QL	81 219	WON		1		336.04	340.74	341.81	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL .DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
C14	2	801221	1145	50. ON	145. 1W	QL	81 220	WON		1	335. 97	340. 67	341. 74	*
C15	2	801224	1130	50. 1N	145. 0W	PJH	81 220	WON		1	335. 05	339. 71	340. 77	
C16	2	801224	1130	50. 1N	145. 0W	PJH	81 220	WON		1	335. 12	339. 78	340. 84	
269	2	801228	1135	50. ON	145. 0W	PJH	81 326	KEE	603	1685	339. 67	344. 57	344. 29	*
270	2	801228	1136	50. ON	145. 0W	PJH	81 326	KEE	603	1685	336. 35	341. 07	340. 79	*
C97	2	801228	1130	50. ON	145. 0W	PJH	81 220	WON		1	335. 15	339. 82	340. 87	
C98	2	801228	1130	50. ON	145. 0W	PJH	81 220	WON		1	334. 79	339. 43	340. 48	
C99	2	801231	1140	50. ON	144. 9W	QL	81 220	WON		1	334. 15	338. 77	339. 81	
C100	2	801231	1140	50. ON	144. 9W	QL	81 220	WON		1	334. 18	338. 80	339. 84	
271	2	81 1 4	1130	50. ON	145. 0W	QL	81 326	KEE	604	1685	336. 53	341. 27	340. 99	
272	2	81 1 4	1131	50. ON	145. 0W	QL	81 326	KEE	604	1685	336. 43	341. 16	340. 88	
C101	2	81 1 4	1140	50. ON	144. 9W	QL	81 220	WON		1	335. 35	340. 02	341. 05	*
C102	2	81 1 4	1140	50. ON	144. 9W	QL	81 223	WON		1	335. 45	340. 13	341. 16	*
C103	2	81 1 7	1138	50. ON	145. 0W	JS	81 223	WON		1	336. 60	341. 33	342. 35	
C104	2	81 1 7	1138	50. ON	145. 0W	JS	81 223	WON		1	336. 67	341. 40	342. 42	
C145	2	81 1 9	1230	50. ON	145. 0W	QL	81 224	WON		1	336. 00	340. 70	341. 71	
C146	2	81 1 9	1230	50. ON	145. 0W	QL	81 224	WON		1	335. 83	340. 53	341. 54	
273	2	81 111	1140	50. ON	145. 0W	JS	81 326	KEE	605	1685	337. 09	341. 85	341. 57	*
274	2	81 111	1141	50. ON	145. 0W	JS	81 326	KEE	605	1685	338. 47	343. 30	343. 02	*
C147	2	81 111	1130	50. ON	145. 1W	JS	81 224	WON		1	336. 14	340. 85	341. 86	
C148	2	81 111	1130	50. ON	145. 1W	JS	81 224	WON		1	336. 21	340. 92	341. 93	
C149	2	81 114	1235	49. 8N	145. 0W	QL	81 224	WON		1	335. 96	340. 65	341. 65	
C150	2	81 114	1235	49. 8N	145. 0W	QL	81 224	WON		1	335. 97	340. 67	341. 67	
275	2	81 118	1220	50. ON	145. 0W	PW	81 326	KEE	606	1685	337. 36	342. 14	341. 86	
276	2	81 118	1221	50. ON	145. 0W	PW	81 326	KEE	606	1685	337. 27	342. 05	341. 77	
C151	2	81 118	1220	49. 8N	142. 5W	PW	81 224	WON		1	336. 11	340. 82	341. 81	* *
C152	2	81 118	1220	49. 8N	142. 5W	PW	81 225	WON		1	336. 57	341. 30	342. 29	* *
193	2	81 124	1400	50. ON	145. 0W	RW	81 7 6	KEE	607	1710	337. 73	342. 57	342. 29	
194	2	81 124	1401	50. ON	145. 0W	RW	81 7 6	KEE	607	1710	337. 73	342. 57	342. 29	
A241	2	81 124	1400	49. 7N	147. 7W	RW	811120	WON		1	336. 82	341. 65	342. 62	*
A242	2	81 124	1400	49. 7N	147. 7W	RW	811120	WON		1	336. 45	341. 26	342. 23	*
195	2	81 131	1400	50. ON	145. 0W	LM	81 7 6	KEE	608	1710	338. 29	343. 16	342. 88	*
196	2	81 131	1401	50. ON	145. 0W	LM	81 7 6	KEE	608	1710	337. 09	341. 89	341. 61	*
A243	2	81 131	1400	50. ON	145. 0W	LM	811120	WON		1	339. 66	344. 64	345. 59	*
A244	2	81 131	1400	50. ON	145. 0W	LM	811123	WON		1	338. 17	343. 07	344. 02	*
197	2	81 2 7	1400	50. ON	145. 0W	DW	81 7 6	KEE	609	1710	337. 37	342. 18	341. 90	

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET #	J	X82	X82 CORR	FLAG CODE	
									FIELD	ANAL				
198	2	81 2 7	1401	50. ON	145. OW	DW	81 7 6	KEE	609	1710	337. 37	342. 18	341. 90	
A245	2	81 2 7	1400	50. ON	145. OW	DW	811123	WON		1	336. 43	341. 24	342. 17	*
A246	2	81 2 7	1400	50. ON	145. OW	DW	811123	WON		1	336. 71	341. 53	342. 46	*
199	2	81 214	1400	50. ON	145. OW	RW	81 7 6	KEE	610	1711	337. 94	342. 79	342. 51	*
200	2	81 214	1401	50. ON	145. OW	RW	81 7 6	KEE	610	1711	337. 11	341. 91	341. 63	*
A247	2	81 214	1400	50. ON	145. OW	RW	811123	WON		1	336. 51	341. 33	342. 24	
A248	2	81 214	1400	50. ON	145. OW	RW	811123	WON		1	336. 30	341. 10	342. 01	
201	2	81 221	1400	50. ON	145. OW	BMD	81 7 6	KEE	611	1711	339. 71	344. 65	344. 37	
202	2	81 221	1401	50. ON	145. OW	BMD	81 7 6	KEE	611	1711	339. 61	344. 55	344. 27	
A1	2	81 221	1400	50. ON	145. OW	BM	811123	WON		1	338. 72	343. 65	344. 54	*
A2	2	81 221	1400	50. ON	145. OW	BM	811123	WON		1	338. 65	343. 57	344. 46	*
181	2	81 3 2	1325	50. ON	145. OW	OJ	81 8 6	KEE	624	1715	339. 26	344. 19	343. 91	
182	2	81 3 2	1326	50. ON	145. OW	OJ	81 8 6	KEE	624	1715	339. 26	344. 19	343. 91	
I-37	5	81 3 2	1330	50. ON	145. OW	OJ	81 8 6	KEE	625	1715	338. 75	343. 65	343. 65	
I-38	5	81 3 2	1335	50. ON	145. OW	OJ	81 8 6	KEE	625	1715	338. 84	343. 75	343. 75	
C161	2	81 3 2	1330	50. 1N	145. OW	OJ	811124	WON		1	338. 17	343. 07	343. 93	* *
C162	2	81 3 2	1330	50. 1N	145. OW	OJ	811125	WON		1	337. 66	342. 53	343. 39	* *
183	2	81 3 8	1340	50. ON	145. OW	PW	81 8 6	KEE	626	1715	339. 07	343. 99	343. 71	
184	2	81 3 8	1341	50. ON	145. OW	PW	81 8 6	KEE	626	1715	338. 98	343. 89	343. 61	
C163	2	81 3 8	1330	50. ON	145. OW	PW	811125	WON		1	340. 34	345. 37	346. 22	* *
C164	2	81 3 8	1330	50. ON	145. OW	PW	811125	WON		1	338. 18	343. 09	343. 94	* *
I-34	5	81 3 9	1302	50. ON	145. OW	PW	81 8 6	KEE	627	1715	338. 61	343. 50	343. 50	
I-39	5	81 3 9	1302	50. ON	145. OW	PW	81 8 6	KEE	627	1715	338. 79	343. 70	343. 70	
I-40	5	81 3 9	1305	50. ON	145. OW	PW	81 8 6	KEE	627	1715	338. 79	343. 70	343. 70	
185	2	81 315	1230	50. ON	145. OW	PW	81 8 7	KEE	628	1716	339. 20	344. 12	343. 84	
186	2	81 315	1231	50. ON	145. OW	PW	81 8 7	KEE	628	1716	339. 28	344. 21	343. 93	
I-41	5	81 315	1235	50. ON	145. OW	PW	81 8 7	KEE	629	1716	339. 10	344. 02	344. 02	
I-42	5	81 315	1238	50. ON	145. OW	PW	81 8 7	KEE	629	1716	339. 15	344. 07	344. 07	
C165	2	81 315	1230	50. 1N	145. 1W	PW	811125	WON		1	338. 70	343. 63	344. 46	* *
C166	2	81 315	1230	50. 1N	145. 1W	PW	811125	WON		1	338. 10	343. 00	343. 83	* *
187	2	81 322	1245	50. ON	145. OW	PW	81 8 7	KEE	630	1716	339. 93	344. 89	344. 61	
188	2	81 322	1246	50. ON	145. OW	PW	81 8 7	KEE	630	1716	340. 01	344. 98	344. 70	
I-541	5	81 322	1247	50. ON	145. OW	PW	81 8 7	KEE	631	1716	339. 74	344. 70	344. 70	
I-542	5	81 322	1248	50. ON	145. OW	PW	81 8 7	KEE	631	1716	339. 56	344. 51	344. 51	
C167	2	81 322	1245	50. 1N	144. 8W	PW	811125	WON		1	339. 91	344. 91	345. 72	* *
C168	2	81 322	1245	50. 1N	144. 8W	PW	811125	WON		1	339. 82	344. 80	345. 61	* *



FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD ANAL	J	X82	X82 CORR	FLAG CODE
189	2	81 329	1300	50. ON	145. OW	JS	81 8 7	KEE	632 1717	339. 22	344. 15	343. 87	
190	2	81 329	1301	50. ON	145. OW	JS	81 8 7	KEE	632 1717	339. 40	344. 34	344. 06	
I-543	5	81 329	1258	50. ON	145. OW	JS	81 8 7	KEE	633 1717	339. 12	344. 04	344. 04	
I-544	5	81 329	1259	50. ON	145. OW	JS	81 8 7	KEE	633 1717	339. 12	344. 04	344. 04	
C33	2	81 329	1250	49. 9N	142. 5W	JS	811125	WON	1	339. 09	344. 04	344. 83	# *
C34	2	81 329	1250	49. 9N	142. 5W	JS	811125	WON	1	338. 92	343. 86	344. 65	# *
203	2	81 4 4	1400	50. ON	145. OW	RW	81 7 6	KEE	612 1711	340. 63	345. 63	345. 35	
204	2	81 4 4	1401	50. ON	145. OW	RW	81 7 6	KEE	612 1711	340. 63	345. 63	345. 35	
I-415	5	81 4 4	1400	50. ON	145. OW	RW	81 7 9	KEE	613 1712	340. 25	345. 23	345. 23	
I-416	5	81 4 4	1401	50. ON	145. OW	RW	81 7 9	KEE	613 1712	340. 07	345. 04	345. 04	
A3	2	81 4 4	1400	50. ON	145. OW	RW	811124	WON	1	339. 57	344. 54	345. 32	* *
A4	2	81 4 4	1400	50. ON	145. OW	RW	811124	WON	1	338. 10	343. 00	343. 78	* *
135	2	81 411	1410	50. ON	145. OW	HE	81 7 6	KEE	615 1711	340. 07	345. 04	344. 76	*
136	2	81 411	1411	50. ON	145. OW	HE	81 7 6	KEE	615 1711	340. 54	345. 53	345. 25	*
I-417	5	81 411	1405	50. ON	145. OW	HE	81 7 9	KEE	614 1712	339. 88	344. 83	344. 83	
I-418	5	81 411	1406	50. ON	145. OW	HE	81 7 9	KEE	614 1712	339. 93	344. 88	344. 88	
A5	2	81 411	1355	50. ON	145. OW	DE	811124	WON	1	339. 91	344. 91	345. 67	*
A6	2	81 411	1355	50. ON	145. OW	DE	811124	WON	1	339. 39	344. 35	345. 11	*
141	2	81 418	1400	50. ON	145. OW	BMD	81 7 6	KEE	617 1711	340. 17	345. 14	344. 86	*
142	2	81 418	1401	50. ON	145. OW	BMD	81 7 6	KEE	617 1711	346. 93	352. 34	352. 06	*
I-419	5	81 418	1400	50. ON	145. OW	BMD	81 7 9	KEE	616 1712	339. 56	344. 50	344. 50	
I-420	5	81 418	1401	50. ON	145. OW	BMD	81 7 9	KEE	616 1712	339. 61	344. 55	344. 55	
A7	2	81 418	1400	50. ON	145. OW	BM	811124	WON	1	338. 96	343. 90	344. 65	
A8	2	81 418	1400	50. ON	145. OW	BM	811124	WON	1	338. 99	343. 94	344. 69	
133	2	81 425	1400	50. ON	145. OW	RW	81 7 6	KEE	619 1711	341. 00	346. 02	345. 74	*
134	2	81 425	1401	50. ON	145. OW	RW	81 7 6	KEE	619 1711	343. 23	348. 38	348. 10	*
I-163	5	81 425	1400	50. ON	145. OW	RW	81 7 9	KEE	618 1713	340. 33	345. 31	345. 31	
I-164	5	81 425	1401	50. ON	145. OW	RW	81 7 9	KEE	618 1713	340. 15	345. 12	345. 12	
A257	2	81 425	1400	50. ON	145. OW	RW	811124	WON	1	339. 93	344. 93	345. 66	
A258	2	81 425	1400	50. ON	145. OW	RW	811124	WON	1	340. 10	345. 10	345. 83	
143	2	81 5 2	1400	50. ON	145. OW	DW	81 7 6	KEE	621 1711	342. 67	347. 79	347. 51	*
144	2	81 5 2	1401	50. ON	145. OW	DW	81 7 6	KEE	621 1711	348. 06	353. 54	353. 26	*
I-165	5	81 5 2	1400	50. ON	145. OW	DW	81 7 9	KEE	620 1713	341. 94	347. 01	347. 01	
I-166	5	81 5 2	1401	50. ON	145. OW	DW	81 7 9	KEE	620 1713	341. 98	347. 05	347. 05	
A259	2	81 5 2	1400	50. ON	145. OW	DW	811124	WON	1	361. 55	368. 30	369. 02	#
A260	2	81 5 2	1400	50. ON	145. OW	DW	811124	WON	1	361. 44	368. 18	368. 90	#

FLASK NO.	VOL.	SAMPLE DATE TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
137	2	81 5 9 1400	50. ON	145. OW	LM	81 7 6	KEE	623	1711	341. 10	346. 12	345. 84	
138	2	81 5 9 1401	50. ON	145. OW	LM	81 7 6	KEE	623	1711	341. 10	346. 12	345. 84	
I-167	5	81 5 9 1400	50. ON	145. OW	LM	81 7 9	KEE	622	1713	340. 79	345. 80	345. 80	*
I-168	5	81 5 9 1401	50. ON	145. OW	LM	81 7 9	KEE	622	1713	340. 33	345. 31	345. 31	
A261	2	81 5 9 1400	50. ON	145. OW	LM	811124	WON		1	339. 81	344. 80	345. 50	*
A262	2	81 5 9 1400	50. ON	145. OW	LM	811124	WON		1	339. 85	344. 84	345. 54	*
191	2	81 517 1239	50. ON	145. OW	JS	81 8 7	KEE	635	1717	340. 50	345. 50	345. 22	
142	2	81 517 1240	50. ON	145. OW	JS	81 8 7	KEE	635	1717	340. 42	345. 41	345. 13	
I-545	5	81 517 1237	50. ON	145. OW	PW	81 8 7	KEE	634	1717	339. 86	344. 83	344. 83	
I-546	5	81 517 1238	50. ON	145. OW	PW	81 8 7	KEE	634	1717	339. 90	344. 87	344. 87	
C35	2	81 517 1237	50. ON	145. OW	JS	811126	WON		1	339. 24	344. 20	344. 89	*
C36	2	81 517 1237	50. ON	145. OW	JS	811126	WON		1	339. 42	344. 39	345. 08	*
121	2	81 524 1310	50. ON	145. OW	PW	81 810	KEE	637	1718	339. 84	344. 81	344. 53	*
122	2	81 524 1311	50. ON	145. OW	PW	81 810	KEE	637	1718	342. 51	347. 63	347. 35	*
I-109	5	81 524 1302	50. ON	145. OW	PW	81 810	KEE	636	1718	339. 25	344. 19	344. 19	
I-110	5	81 524 1304	50. ON	145. OW	PW	81 810	KEE	636	1718	339. 29	344. 23	344. 23	
C37	2	81 524 1300	50. ON	144. 9W	PW	811126	WON		1	338. 82	343. 76	344. 44	
C38	2	81 524 1300	50. ON	144. 9W	PW	811126	WON		1	338. 73	343. 67	344. 35	
123	2	81 531 1230	50. ON	145. OW	PW	81 810	KEE	639	1718	340. 49	345. 49	345. 21	*
124	2	81 531 1231	50. ON	145. OW	PW	81 810	KEE	639	1718	340. 95	345. 98	345. 70	*
I-111	5	81 531 1230	50. ON	145. OW	PW	81 810	KEE	638	1718	340. 03	345. 00	345. 00	
I-112	5	81 531 1230	50. ON	145. OW	PW	81 810	KEE	638	1718	340. 40	345. 40	345. 40	
C39	2	81 531 1230	50. ON	144. 9W	PW	811126	WON		1	339. 91	344. 90	345. 56	
C40	2	81 531 1230	50. ON	144. 9W	PW	811126	WON		1	339. 59	344. 58	345. 24	
125	2	81 6 7 1243	50. ON	145. OW	PW	81 810	KEE	641	1718	338. 83	343. 74	343. 46	
126	2	81 6 7 1244	50. ON	145. OW	PW	81 810	KEE	641	1718	338. 65	343. 54	343. 26	
I-113	5	81 6 7 1240	50. ON	145. OW	PW	81 810	KEE	640	1718	339. 11	344. 03	344. 03	#
I-114	5	81 6 7 1242	50. ON	145. OW	PW	81 819	KEE	640	1719	339. 40	344. 34	344. 34	#
C171	2	81 6 7 1235	50. ON	145. OW	PW	811126	WON		1	337. 80	342. 68	343. 33	*
C172	2	81 6 7 1235	50. ON	145. OW	PW	811126	WON		1	338. 05	342. 93	343. 58	*
127	2	81 614 1250	50. ON	145. OW	BJW	81 819	KEE	643	1719	338. 39	343. 28	343. 00	
129	2	81 614 1251	50. ON	145. OW	BJW	81 819	KEE	643	1719	338. 39	343. 28	343. 00	
I-289	5	81 614 1250	50. ON	145. OW	BJW	81 819	KEE	642	1719	338. 06	342. 93	342. 93	
I-290	5	81 614 1250	50. ON	145. OW	BJW	81 819	KEE	642	1719	338. 11	342. 98	342. 98	
I-291	5	81 614 1250	50. ON	145. OW	BJW	81 819	KEE	642	1719	337. 93	342. 79	342. 79	
C169	2	81 614 1250	49. 9N	145. 1W	BW	811126	WON		1	337. 43	342. 29	342. 93	*

FLASK NO.	VOL.	SAMPLE DATE	TIME	POSITION LAT	LONG	OBSR	ANAL DATE	LAB	SHEET # FIELD	ANAL	J	X82	X82 CORR	FLAG CODE
C170	2	81 614	1250	49.9N	145.1W	BW	811126	WON		1	337.42	342.28	342.92	*
C173	2	81 614	1250	49.9N	145.1W	BW	811126	WON		1	337.44	342.30	342.94	*
130	2	81 621	1240	50.0N	145.0W	PW	81 819	KEE	645	1719	358.33	364.72	364.44	*
132	2	81 621	1241	50.0N	145.0W	PW	81 819	KEE	645	1719	339.77	344.73	344.45	*
I-292	5	81 621	1235	50.0N	145.0W	PW	81 819	KEE	644	1719	336.32	341.10	341.10	*
I-293	5	81 621	1235	50.0N	145.0W	PW	81 819	KEE	644	1719	337.20	342.02	342.02	*
I-294	5	81 621	1235	50.0N	145.0W	PW	81 819	KEE	644	1719	340.73	345.75	345.75	*
C174	2	81 621	1240	49.8N	142.7W	PW	811126	WON		1	335.65	340.42	341.05	
C175	2	81 621	1240	49.8N	142.7W	PW	811126	WON		1	335.60	340.37	341.00	
C176	2	81 621	1240	49.8N	142.7W	PW	811127	WON		1	336.11	340.90	341.53	*

Table 2. The CO<sub>2</sub> concentration difference, expressed as mole fraction in ppm, of SIO analyses of 5 liter flask samples minus analyses in 2 liter flasks, in chronological order.

<u>Date</u> (y.mo.d.)	<u>Concentration</u> <u>Difference</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Concentration</u> <u>Difference</u> (ppm)
771226	-0.42	781126	-0.24
78 130	-0.52	7812 3	0.00
78 213	-0.01	781213	-0.35
78 227	-0.06	781217	0.13
78 312	-0.20	781230	-0.47
78 423	-1.02#	79 1 7	-0.54
78 514	-0.22	79 113	-0.08
78 528	-0.04	79 120	0.05
78 6 4	-0.44	79 127	-0.23
78 611	-0.27	79 2 3	-0.14
78 625	-0.33	79 2 7	-0.24
78 7 2	0.20	79 210	-0.24
78 710	0.13	79 225	-0.60
78 729	-0.38	79 3 4	-0.42
78 8 6	-0.21	79 325	-0.38
78 814	0.21	81 3 2	-0.49
78 827	-0.04	81 315	-0.12
78 9 3	-0.58	81 322	-0.33
78 910	-0.51	81 329	-0.20
78 924	-0.37	81 4 4	-0.49
7810 8	-1.57#	81 5 9	-0.81
781029	-0.55	81 517	-0.61
7811 5	-0.40	81 6 7	0.54#
781119	-0.48	81 614	-0.38

Average of 45 comparisons:  $-0.28 \pm 0.24$   
 # Difference omitted (See text)

Table 3. The CO<sub>2</sub> concentration difference, expressed as mole fraction in ppm, of IOS analyses in 5 liter flasks minus analyses in 2 liter flasks, in chronological order.

<u>Date</u> (y.mo.d.)	<u>Concentration</u> <u>Difference</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Concentration</u> <u>Difference</u> (ppm)
7711 2	0.61#	78 9 3	-2.02#
771120	0.08	78 910	-0.33
78 219	0.05	78 917	0.04
78 227	-0.06	78 924	-2.65#
78 3 5	0.08	78 930	0.75#
78 312	0.04	7810 8	0.11
78 319	-0.10	781015	-0.02
78 4 2	0.28	781029	-0.10
78 4 9	-0.10	7811 5	-0.22
78 416	0.23	781112	0.19
78 423	-0.08	7812 3	0.25
78 430	-0.30	781213	-0.01
78 514	-0.38	781217	0.06
78 521	-0.52	781230	-0.45
78 528	-0.36	79 1 7	-0.64
78 6 4	-0.23	79 113	-0.24
78 611	-0.25	79 120	0.05
78 618	-0.31	79 2 3	-0.03
78 625	-0.37	79 2 7	0.00
78 7 2	-0.03	79 210	-0.04
78 710	-0.09	79 218	0.03
78 716	-0.09	79 225	0.12
78 729	-0.02	79 311	0.01
78 8 6	-0.18	79 318	-0.07
78 814	-0.11	79 325	-0.26

Average of 46 comparisons:  $-0.09 \pm 0.20$

# Difference omitted (See text)

Table 4. Peremptorily flagged data

<u>Date Type</u>	<u>Date</u> (y.mo.d.)	<u>Concentration</u> (ppm)		<u>Comments</u>	<u>Flask No.</u>
IOS - SIO SL :	780903	-2.15 (J)	-2.44 (X)	LOW SL IOS	5
	780924	-3.49 (J)	-3.82 (X)	LOW SL IOS	5022
IOS - SIO 2L :	730820	0.34 (J)	0.21 (X)	NOT SPL CORR*	9, 10
	730903	0.35 (J)	0.26 (X)	NOT SPL CORR*	13, 14
	730916	0.29 (J)	0.13 (X)	NOT SPL CORR*	1, 2
	731015	0.16 (J)	0.05 (X)	NOT SPL CORR*	23, 24
	731021	0.06 (J)	-0.05 (X)	NOT SPL CORR*	25, 26
	750914	8.98 (J)	9.18 (X)	HIGH 2L IOS	107, 108
	780423	-1.71 (J)	-1.95 (X)	HIGH 2L SIO	295, 296
	781008	-1.93 (J)	-2.18 (X)	HIGH 2L SIO	43, 44
	801130	-2.04 (J)	-2.13 (X)	NO PRMPT FLAG	-
	810322	0.12 (J)	0.11 (X)	HIGH 2L IOS	C167, C168
	910329	-0.08 (J)	-0.10 (X)	HIGH 2L IOS	C33, C34
SL - 2L IOS :	810502	21.00 (J)	21.69 (X)	HIGH 2L IOS	A259, A260
	771102	0.60 (J)	0.61 (X)	HIGH SL IOS	1
	(780903)	-1.99 (J)	-2.02 (X)	DUPL-SEE ABOVE)	-
	(780924)	-2.59 (J)	-2.65 (X)	DUPL-SEE ABOVE)	-
SL - 2L SIO :	780930	0.72 (J)	0.75 (X)	NO PRMPT FLAG	-
	(780423)	-1.01 (J)	-1.02 (X)	DUPL-SEE ABOVE)	-
	(781008)	-1.61 (J)	-1.57 (X)	DUPL-SEE ABOVE)	-
ADDITIONAL FLAGS : (FROM QSTFIT)	810607	0.52 (J)	0.54 (X)	HIGH SL SIO	I-113, I-114
	771106			HIGH SL IOS	2
	771114			HIGH SL IOS	3

Preliminary data not used in the spline correction procedure (See text).

Table 5. The CO<sub>2</sub> concentration difference, expressed as mole fraction in ppm, of IOS analyses minus SIO analyses in chronological order.

<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)
73 820	2	0.21#	75 928	2	-1.95	77 220	2	-1.21	78 423	2	-1.95#
73 9 3	2	0.26#	751012	2	-1.45	77 313	2	-1.40	78 430	5	-0.96
73 916	2	0.13#	751019	2	-1.60	77 320	2	-1.46	78 5 6	5	-1.25
731015	2	0.05#	751222	2	-2.32	77 411	2	-1.35	78 514	5	-1.24
731021	2	-0.05#	751228	2	-2.47	77 425	2	-1.12	78 514	2	-0.95
731126	2	-0.96	76 1 4	2	-2.32	77 5 9	2	-1.97	78 521	5	-1.58
74 1 9	2	-0.95	76 2 2	2	-1.35	77 515	2	-1.07	78 528	5	-1.28
74 2 5	2	-0.96	76 2 8	2	-1.57	77 522	2	-0.71	78 528	2	-0.86
74 218	2	-1.15	76 215	2	-1.57	77 529	2	-1.85	78 6 4	5	-0.88
74 320	2	-0.68	76 328	2	-1.73	77 6 5	2	-0.92	78 6 4	2	-0.90
74 423	2	-0.72	76 330	2	-1.34	77 725	2	-0.62	78 611	5	-0.74
74 429	2	-0.14	76 411	2	-1.77	77 8 1	2	-1.72	78 611	2	-0.48
74 527	2	-0.88	76 517	2	-1.71	77 821	2	-1.20	78 618	5	-1.04
74 6 9	2	-1.15	76 530	2	-2.05	77 910	2	-1.57	78 625	5	-0.42
74 622	2	-1.02	76 6 6	2	-1.64	7711 2	2	-1.11	78 625	2	-0.20
75 119	2	-1.54	76 614	2	-1.67	771120	2	-0.66	78 7 2	5	-0.47
75 2 2	2	-1.23	76 626	2	-1.35	7712 4	2	-0.97	78 7 2	2	-0.04
75 310	2	-1.16	76 7 4	2	-1.35	78 130	2	-1.15	78 710	5	-0.86
75 317	2	-1.05	76 711	2	-1.36	78 213	2	-0.90	78 710	2	-0.45
75 324	2	-1.04	76 718	2	-1.53	78 219	5	-0.89	78 716	5	0.01
75 4 6	2	-1.02	76 725	2	-1.51	78 227	5	-0.91	78 729	5	-0.42
75 413	2	-1.15	7610 3	2	-2.03	78 227	2	-0.72	78 729	2	-0.59
75 420	2	-1.02	7611 1	2	-2.07	78 3 5	5	-0.81	78 8 6	5	-0.96
75 511	2	-1.14	7611 8	2	-2.17	78 312	5	-0.92	78 8 6	2	-0.76
75 7 6	2	-1.29	761115	2	-2.22	78 312	2	-0.88	78 814	5	-0.96
75 713	2	-1.39	761122	2	-2.17	78 319	5	-0.85	78 814	2	-0.45
75 720	2	-1.36	7612 1	2	-1.83	78 4 2	5	-1.21	78 827	2	-0.66
75 8 3	2	-1.48	761212	2	-1.78	78 4 9	5	-1.18	78 9 3	5	-2.44#
75 810	2	-1.58	761219	2	-1.89	78 416	5	-0.79	78 9 3	2	-0.91
75 914	2	9.18#	77 124	2	-1.52	78 423	5	-1.19	78 910	5	-1.05
			77 2 7	2	-1.96				78 910	2	-1.04

Table 5. (cont.)

<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)	<u>Date</u> (y.mo.d.)	<u>Size</u> (ℓ)	<u>Conc.</u> <u>Diff.</u> (ppm)
78 924	5	-3.82#	79 127	2	-1.54	791013	2	-1.97	80 7 6	2	-1.53
78 924	2	-1.35	79 2 3	5	-1.66	791020	2	-2.25	80 713	2	-1.24
78 930	5	-0.97	79 2 3	2	-1.58	791028	2	-1.77	80 720	2	-1.38
7810 8	5	-0.69	79 2 7	5	-1.58	7911 4	2	-1.77	80 727	2	-1.48
7810 8	2	-2.18#	79 2 7	2	-1.63	791118	2	-1.65	80 810	2	-1.35
781015	5	-0.99	79 210	5	-1.67	791125	2	-1.83	80 816	2	-2.11
781029	5	-1.36	79 210	2	-1.69	7912 2	2	-1.70	80 823	2	-2.23
781029	2	-1.63	79 218	5	-1.49	7912 8	2	-2.84	80 830	2	-2.12
7811 5	5	-1.47	79 225	5	-1.58	791216	2	-2.11	80 9 6	2	-2.27
7811 5	2	-1.46	79 225	2	-2.11	791229	2	-1.84	80 913	2	-2.10
781112	5	-1.37	79 3 4	5	-1.94	80 1 5	2	-1.60	801012	2	-1.31
781119	5	-1.29	79 318	5	-1.78	80 112	2	-2.34	801019	2	-1.03
781126	5	-1.81	79 325	5	-1.82	80 120	2	-1.64	8011 2	2	-1.05
7812 3	5	-1.53	79 325	2	-1.74	80 2 3	2	-2.10	801122	2	-1.15
7812 3	2	-1.59	79 331	2	-1.60	80 210	2	-1.95	801130	2	-2.13#
781213	5	-1.31	79 4 7	2	-1.56	80 3 8	2	-1.71	801214	2	-0.91
781213	2	-1.36	79 421	2	-1.56	80 329	2	-1.72	801221	2	-0.96
781217	5	-1.21	79 428	2	-1.51	80 420	2	-1.88	81 1 4	2	-0.89
781217	2	-0.95	79 5 5	2	-1.57	80 427	2	-1.62	81 124	2	-0.92
781224	5	-1.61	79 812	2	-2.42	80 5 4	2	-1.34	81 2 7	2	-0.60
781230	5	-1.37	79 819	2	-1.92	80 518	2	-1.68	81 221	2	-0.80
781230	2	-1.20	79 9 2	2	-1.46	80 524	2	-1.61	81 322	2	0.11#
79 1 7	5	-1.48	79 9 9	2	-1.46	80 531	2	-1.27	81 329	2	-0.10#
79 1 7	2	-1.10	79 915	2	-1.65	80 6 7	2	-1.57	81 5 9	2	-1.11
79 113	5	-1.51	79 922	2	-1.75	80 614	2	-1.39	81 517	2	-0.97
79 113	2	-1.16	79 929	2	-1.62	80 621	2	-2.55	81 6 7	2	-0.65
79 120	5	-1.66	7910 6	2	-1.62	80 628	2	-2.42	81 614	2	-0.80
79 120	2	-1.51									



Table 6. Values of knots spline at 15 day intervals as a fit, with 10 knots, of the data of Table 5. Time is expressed by a day number counting from 1 January, 1973

Day No.	Spline	Day No.	Spline	Day No.	Spline	Day No.	Spline
330.0	-0.981	1080.0	-1.686	1830.0	-1.008	2580.0	-1.908
345.0	-0.954	1095.0	-1.709	1845.0	-1.011	2595.0	-1.900
360.0	-0.930	1110.0	-1.730	1860.0	-1.018	2610.0	-1.889
375.0	-0.908	1125.0	-1.750	1875.0	-1.029	2625.0	-1.876
390.0	-0.890	1140.0	-1.768	1890.0	-1.045	2640.0	-1.860
405.0	-0.874	1155.0	-1.785	1905.0	-1.062	2655.0	-1.840
420.0	-0.861	1170.0	-1.800	1920.0	-1.070	2670.0	-1.818
435.0	-0.851	1185.0	-1.813	1935.0	-1.060	2685.0	-1.792
450.0	-0.843	1200.0	-1.825	1950.0	-1.022	2700.0	-1.763
465.0	-0.837	1215.0	-1.834	1965.0	-0.944	2715.0	-1.731
480.0	-0.833	1230.0	-1.841	1980.0	-0.817	2730.0	-1.697
495.0	-0.832	1245.0	-1.846	1995.0	-0.651	2745.0	-1.660
510.0	-0.833	1260.0	-1.849	2010.0	-0.507	2760.0	-1.621
525.0	-0.836	1275.0	-1.849	2025.0	-0.457	2775.0	-1.580
540.0	-0.841	1290.0	-1.847	2040.0	-0.544	2790.0	-1.538
555.0	-0.848	1305.0	-1.842	2055.0	-0.719	2805.0	-1.494
570.0	-0.857	1320.0	-1.834	2070.0	-0.913	2820.0	-1.449
585.0	-0.867	1335.0	-1.824	2085.0	-1.070	2835.0	-1.403
600.0	-0.880	1350.0	-1.810	2100.0	-1.186	2850.0	-1.356
615.0	-0.893	1365.0	-1.794	2115.0	-1.269	2865.0	-1.309
630.0	-0.909	1380.0	-1.775	2130.0	-1.325	2880.0	-1.262
645.0	-0.926	1395.0	-1.753	2145.0	-1.366	2895.0	-1.215
660.0	-0.944	1410.0	-1.729	2160.0	-1.398	2910.0	-1.168
675.0	-0.963	1425.0	-1.703	2175.0	-1.428	2925.0	-1.122
690.0	-0.984	1440.0	-1.676	2190.0	-1.458	2940.0	-1.077
705.0	-1.006	1455.0	-1.647	2205.0	-1.488	2955.0	-1.033
720.0	-1.029	1470.0	-1.616	2220.0	-1.518	2970.0	-0.991
735.0	-1.052	1485.0	-1.584	2235.0	-1.547	2985.0	-0.950
750.0	-1.077	1500.0	-1.551	2250.0	-1.576	3000.0	-0.911
765.0	-1.102	1515.0	-1.518	2265.0	-1.605	3015.0	-0.874
780.0	-1.129	1530.0	-1.483	2280.0	-1.633	3030.0	-0.840
795.0	-1.156	1545.0	-1.449	2295.0	-1.660	3045.0	-0.808
810.0	-1.183	1560.0	-1.414	2310.0	-1.686	3060.0	-0.779
825.0	-1.211	1575.0	-1.380	2325.0	-1.711	3075.0	-0.753
840.0	-1.240	1590.0	-1.346	2340.0	-1.736		
855.0	-1.268	1605.0	-1.312	2355.0	-1.759		
870.0	-1.298	1620.0	-1.279	2370.0	-1.781		
885.0	-1.327	1635.0	-1.247	2385.0	-1.801		
900.0	-1.356	1650.0	-1.216	2400.0	-1.821		
915.0	-1.386	1665.0	-1.186	2415.0	-1.839		
930.0	-1.415	1680.0	-1.158	2430.0	-1.855		
945.0	-1.444	1695.0	-1.131	2445.0	-1.869		
960.0	-1.473	1710.0	-1.107	2460.0	-1.882		
975.0	-1.502	1725.0	-1.085	2475.0	-1.893		
990.0	-1.531	1740.0	-1.065	2490.0	-1.902		
1005.0	-1.558	1755.0	-1.048	2505.0	-1.908		
1020.0	-1.586	1770.0	-1.033	2520.0	-1.913		
1035.0	-1.612	1785.0	-1.022	2535.0	-1.915		
1050.0	-1.638	1800.0	-1.014	2550.0	-1.915		
1065.0	-1.663	1815.0	-1.009	2565.0	-1.913		

Table 7. Coefficients and positions of knots for the spline  
whose values are quoted in Table 6.

<u>Day No. of</u> <u>Knot</u>	<u>C0</u>	<u>C1</u>	<u>C2</u>	<u>C3</u>
329.000-0.	982521355E+00	0.190953678E-02-0.	133801195E-04	0.231150121E-07
943.000-0.	144043159E+01-0.	194872357E-02	0.812496921E-06	0.316958371E-07
1340.000-0.	181950796E+01	0.871612341E-03	0.133957446E-04-0.	624198364E-07
1886.000-0.	104022455E+01-0.	111848675E-02-0.	206854838E-04	0.303028924E-05
1978.000-0.	837391436E+00	0.980263297E-02	0.258101121E-03-0.	211266179E-04
2024.000-0.	456129372E+00-0.	676676631E-03-0.	713723246E-03	0.203033906E-04
2070.000-0.	913000524E+00-0.	120269582E-01	0.220232760E-03-0.	242196097E-05
2161.000-0.	139976668E+01-0.	201390684E-02-0.	155690409E-06	0.285944797E-07
2678.000-0.	180452919E+01	0.172192603E-02	0.146176553E-04-0.	752137623E-07
3087.000				

Table 8. Fortran program to compute spline from coefficients of Table 7

Fit is to IOS minus SIO data.

```

      DIMENSION A(300), B(300)
101  FORMAT(' AS [WHORF. DATA2. OUT]SPLFITX. STP FOR011(INPUT)', /,
      &' AS SPLX15. DAT FOR008(OUTPUT)')
      WRITE(6, 101)
      JJ=0
      K=1
      DO 20 I=330, 3088, 15
      XX=I
      CALL SPLCOR(XX, JJ, YY)
      JJ=1
      A(K)=XX
      B(K)=YY
      K=K+1
C     WRITE(6, 50)XX, YY
C 50  FORMAT(F8. 1, F8. 3)
      20  CONTINUE
      WRITE(8, 55)(A(I), B(I), A(I+50), B(I+50), A(I+100), B(I+100), A(I+150),
      &B(I+150), I=1, 50)
      55  FORMAT(4(F8. 1, F8. 3))
      END

      SUBROUTINE SPLCOR(X, JJ, Y)
      DIMENSION XX(10), CO(10), C1(10), C2(10), C3(10)
100  FORMAT(F9. 3, 4E16. 9)
      IF(JJ. GT. 0)GOTO 10
      DO 5 I=1, 10
      5  READ(11, 100)XX(I), CO(I), C1(I), C2(I), C3(I)
      10  I=0
      20  I=I+1
      IF(X. GT. XX(10))GOTO 25
      IF(X. GT. XX(I))GOTO 20
      I=I-1
      GOTO 30
      25  I=9
      30  D=X-XX(I)
      Y=CO(I) + D*(C1(I) + D*(C2(I)/2. + D*C3(I)/6. ))
      RETURN
      END
```

Table 9. List of Observers taking air samples at Weather Station 'P'

<u>Code Symbol</u> <u>in Table 1</u>	<u>Name</u>	<u>Code Symbol</u> <u>in Table 1</u>	<u>Name</u>
JA	- J. ANDERSON	GL	- G. LIVESEY
GA	- G. ARMANINI	DM	- D. MACKIE
RB	- RON BELLEGAY	LM	- L. MANN
PB	- P. BERRANG	EM	- E. MARLES
LB	- L. BLOWER	DME	- D. MERMOUD
BC	- B. CANNING	BMD	- B. MIDDLE
CG	- COATES AND GRANT	BM	- B. MINKLEY
BJC	- BRUCE J. COX	PM	- P. MUNRO
CD	- C. DEJONG	CP	- CLIFF PANCHYSON
HE	- H. ENGEMOEN	JP	- JACK PANNEKOEK
JH	- J. H. ENGEMOEN	HCP	- H. C. PUGH
KAG	- K. A. GANTZER	RR	- R. REID
JRG	- JOHN R. GLOVER	RJR	- R. J. ROBILLARD
WG	- W. GRANT	JS	- J. SCARLETT
FWG	- F. W. GUSE	WS	- W. SCHMITKE
WH	- WAYNE HANSEN	DS	- D. SCHMITT
DH	- D. HEALEY	BS	- B. SILVESTER
H	- HICKING	TS	- T. SMYTH
MH	- MIKE HOGAN	LET	- L. E. TAUFEN
PJH	- P. J. HUGHES	RT	- R. TRIPE
OJ	- O. JACOBSEN	BLT	- B. LLOYD TWAITES
CJ	- JACKSON	PV	- PETER VANDERGUGTEN
WHJ	- W. H. JOHNSON	BJW	- BRYAN J. WEBBER
WKJ	- W. K. JOHNSON	RW	- R. WEBBER
TJ	- T. JUHASZ	BW	- B. WHITEHOUSE
BLB	- B. DE LANGE BOOM	DW	- D. WHYTE
DCL	- D. C. LARTER	PW	- P. WILLMS
CL	- CAPT. LINGGARD		

Figures 1-5. Time plots of the CO<sub>2</sub> concentration at Weather Station P expressed as the CO<sub>2</sub> mole fraction in parts per million of dry air (ppm). The individual flask analyses retained after editing of the data are shown as triangles and squares. Crosses indicate analyses rejected by the 0.40 ppm criterion (see text). Plus signs indicate analyses rejected as outliers in comparisons between replicate flasks in different size flasks or analyzed at different laboratories. The squares denote data omitted in a special analysis of the seasonal variation, discussed in the text. The smooth curve is a fit of the accepted data to a function consisting of an exponential term, four harmonic terms, a harmonic gain factor, and a spline function to the residuals.

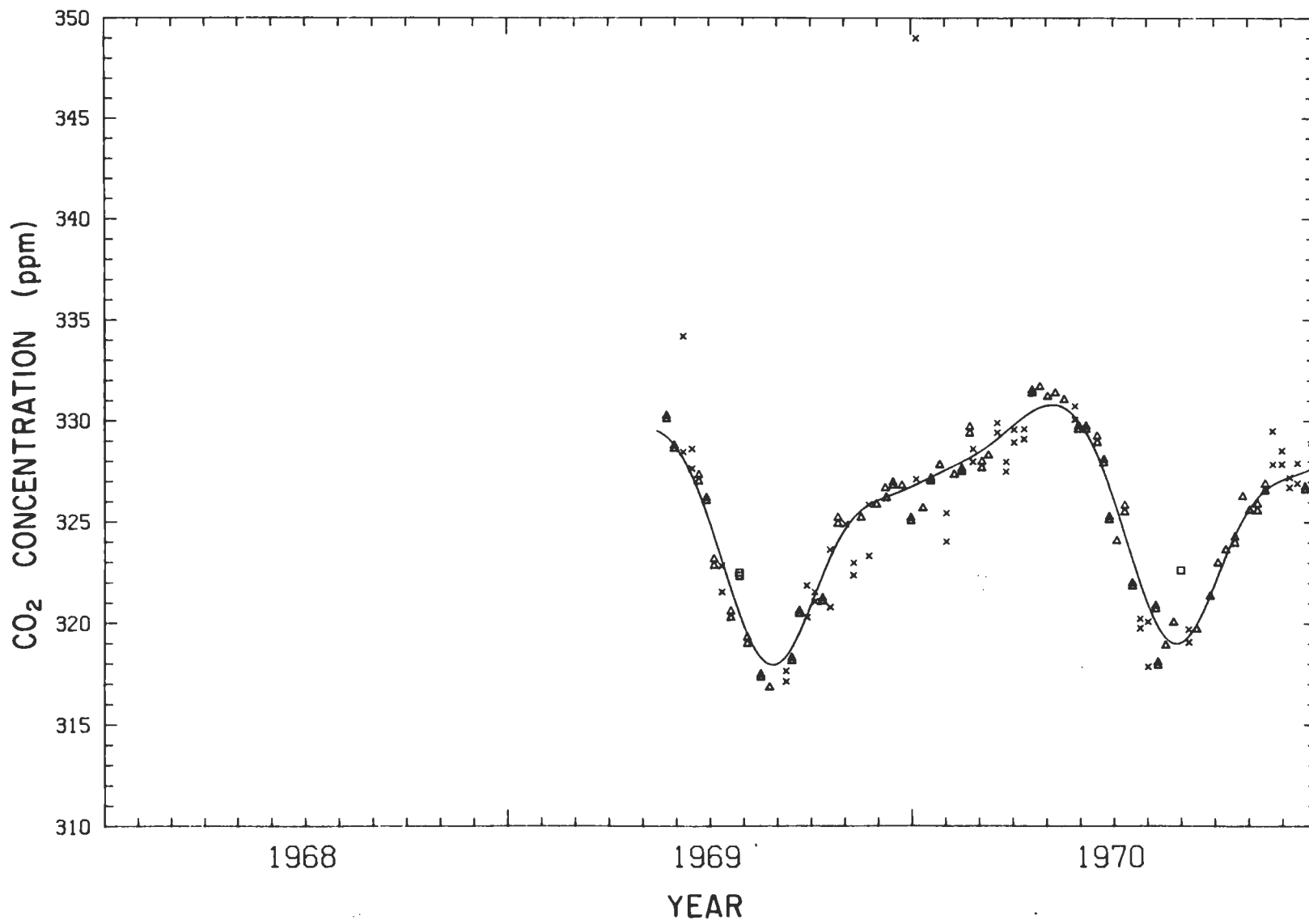


Figure 1

Figure 2

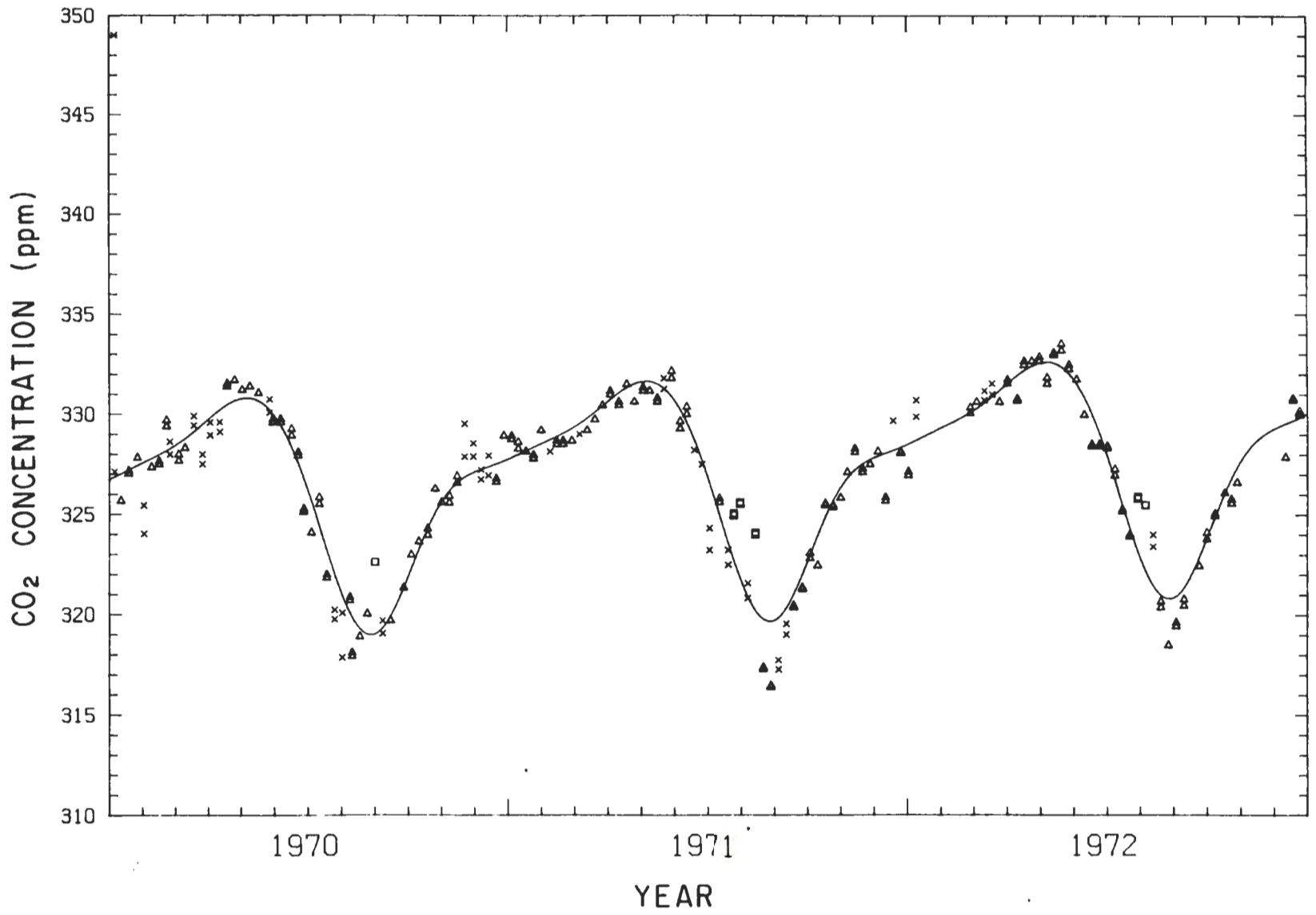


Figure 3

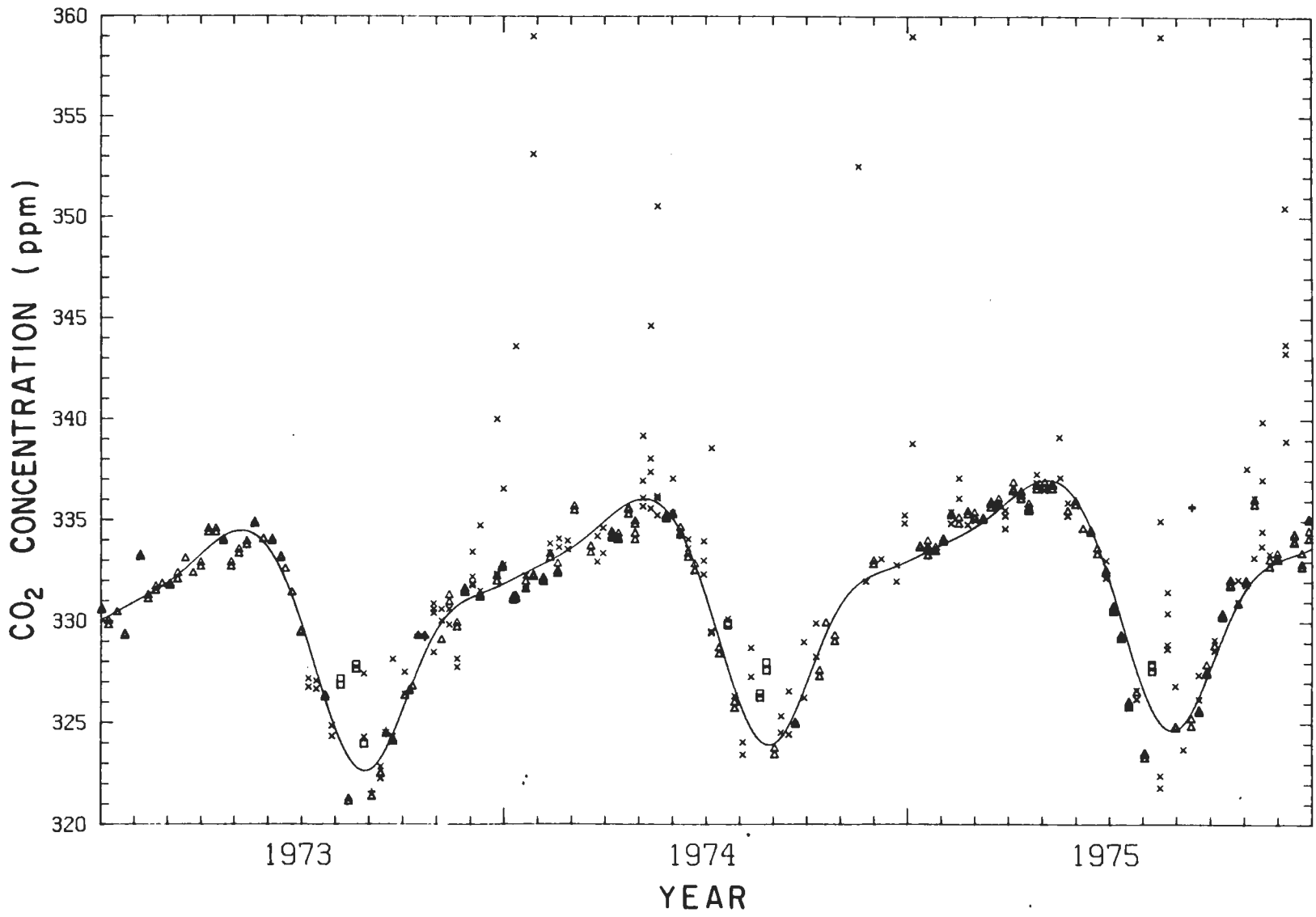




Figure 4

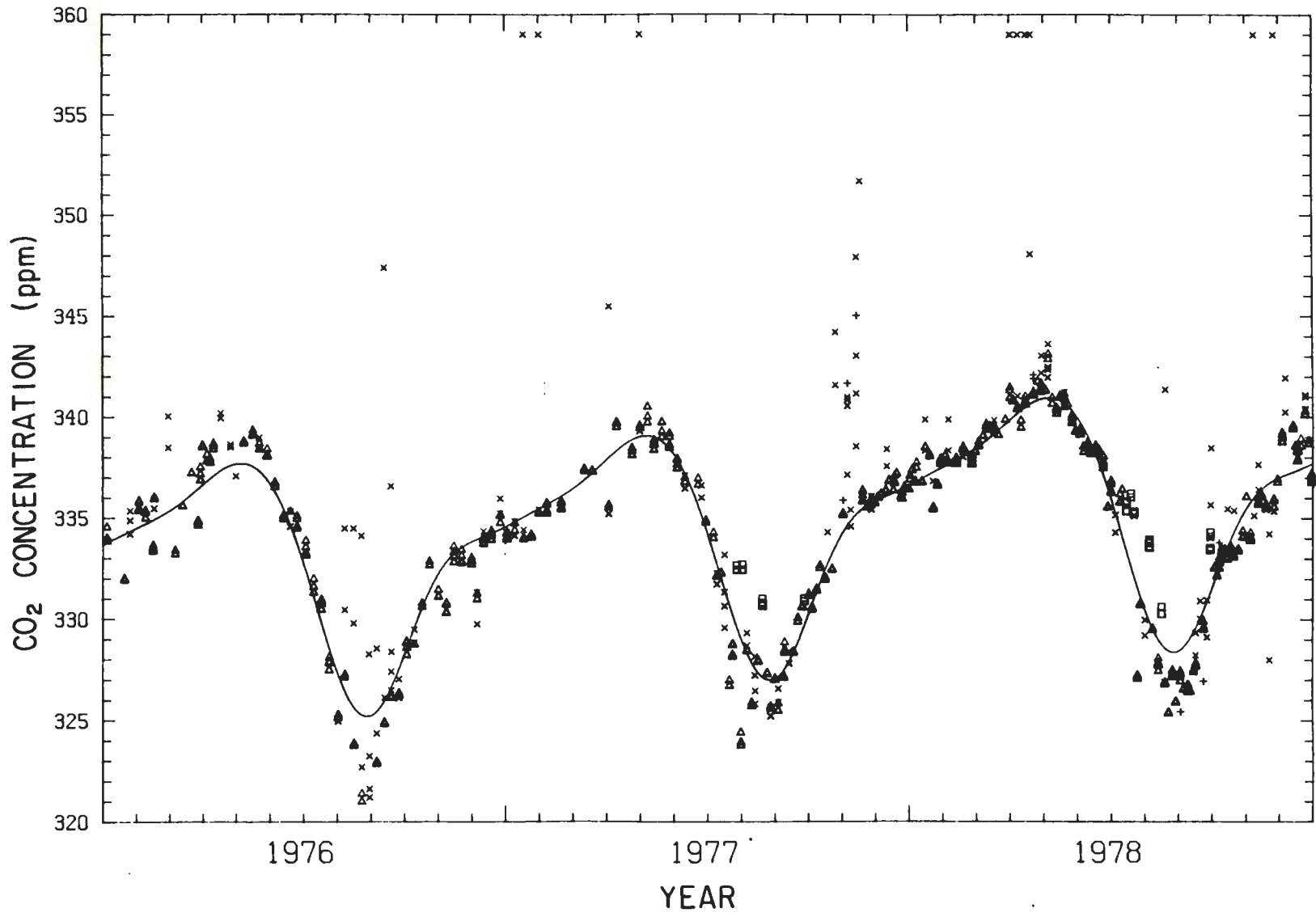
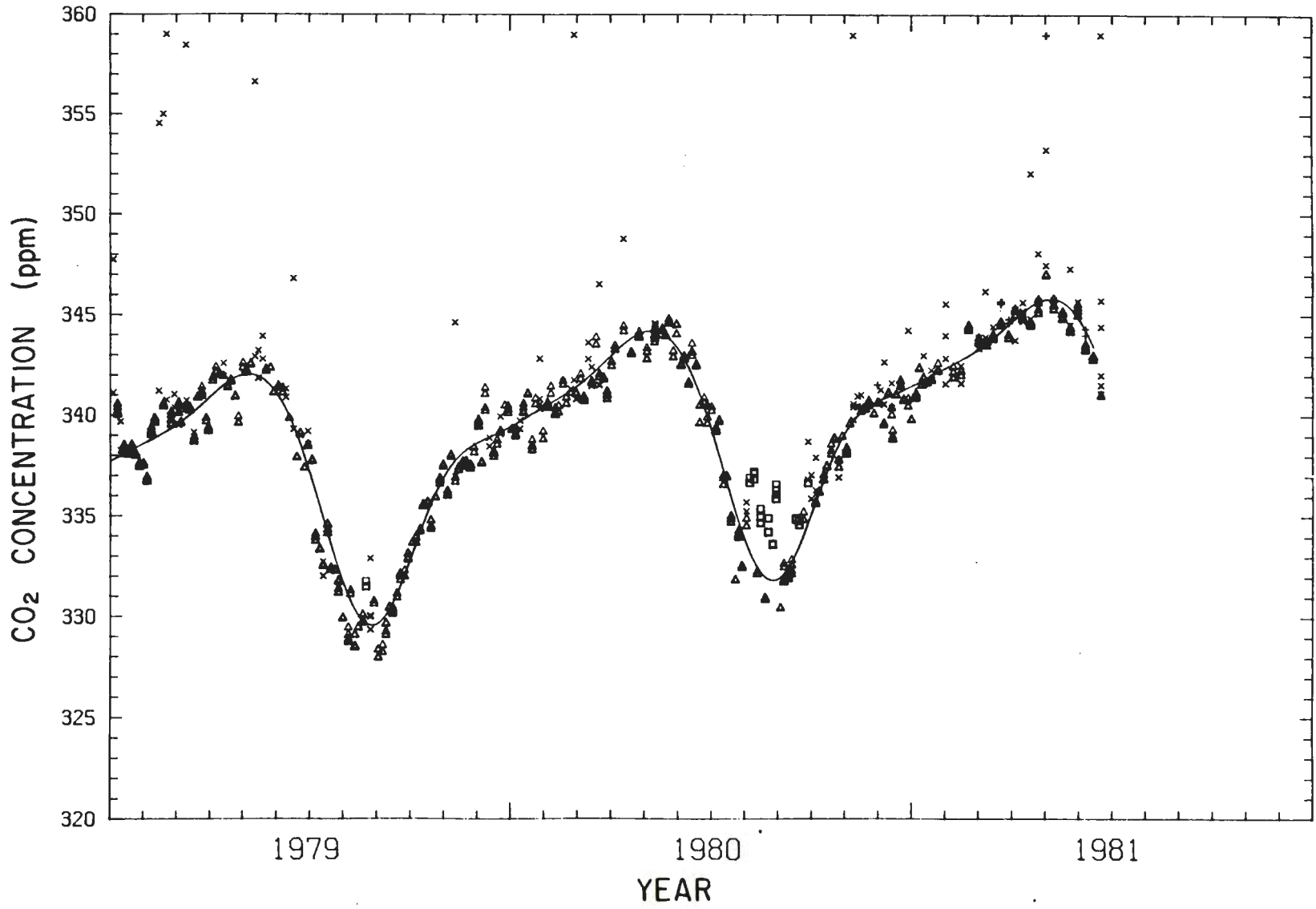


Figure 5



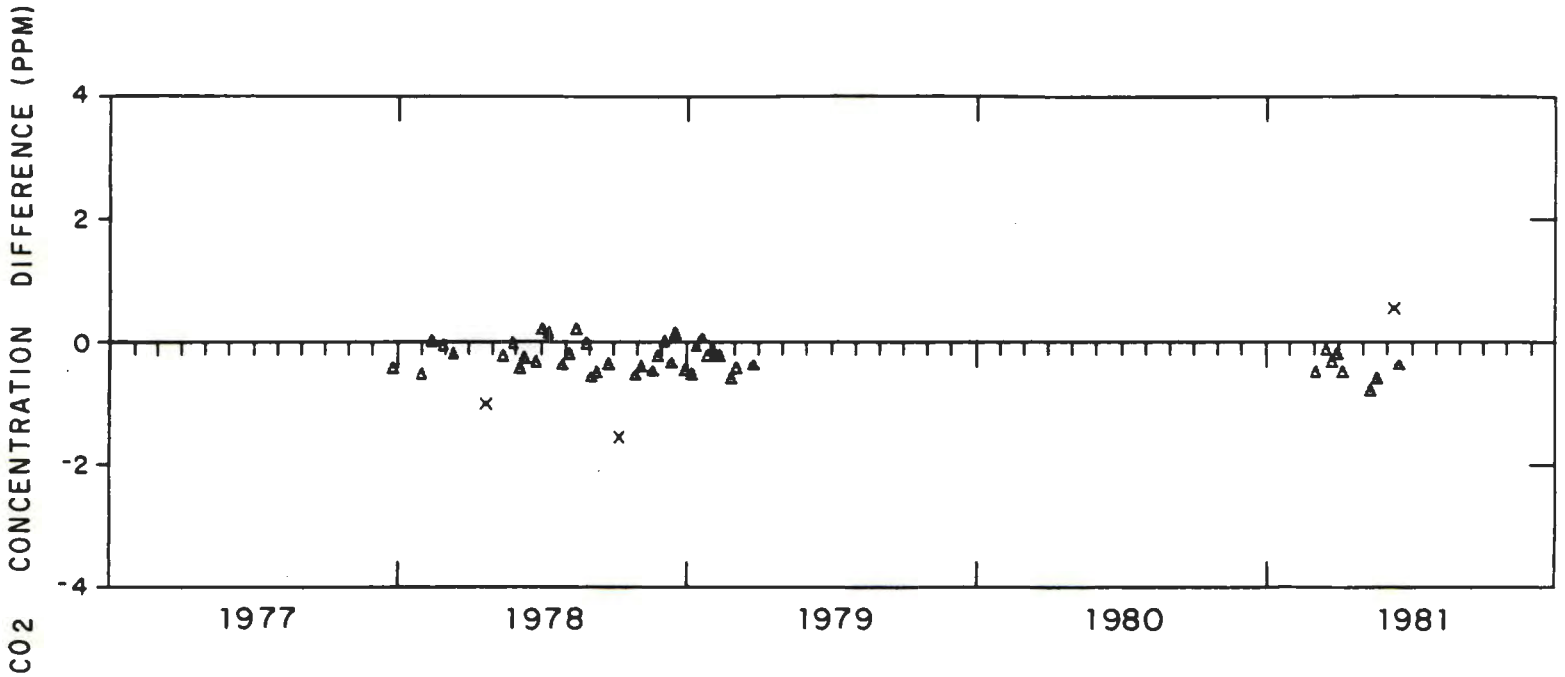


Figure 6. Time plots of the difference in mole fraction in ppm expressed as SIO 5 liter flask minus SIO 2 liter flask analyses. Triangles indicate accepted flask comparisons. Crosses indicate comparisons peremptorily rejected.

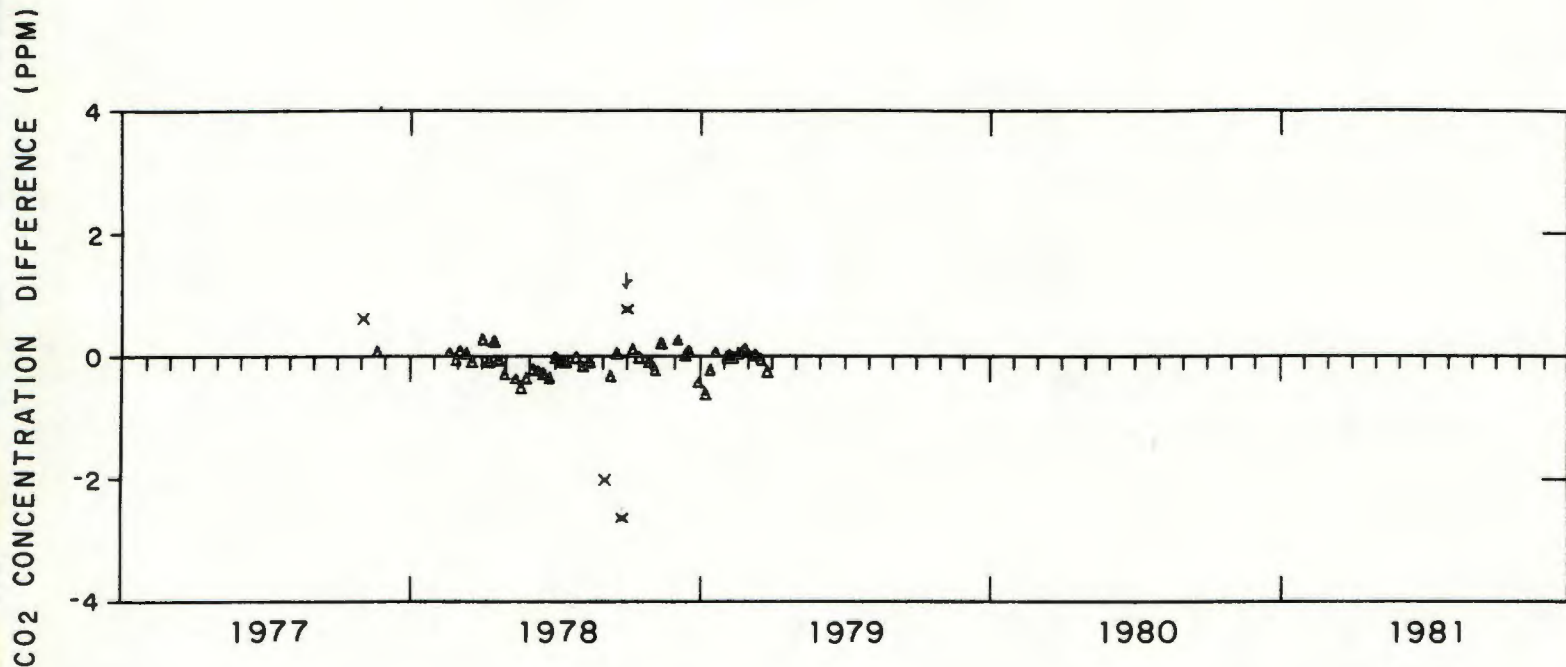


Figure 7. Time plots of the difference in mole fraction in ppm expressed as IOS 5 liter minus IOS 2 liter flask analyses. Triangle indicate accepted flask comparisons. Crosses indicate comparisons peremptorily rejected.

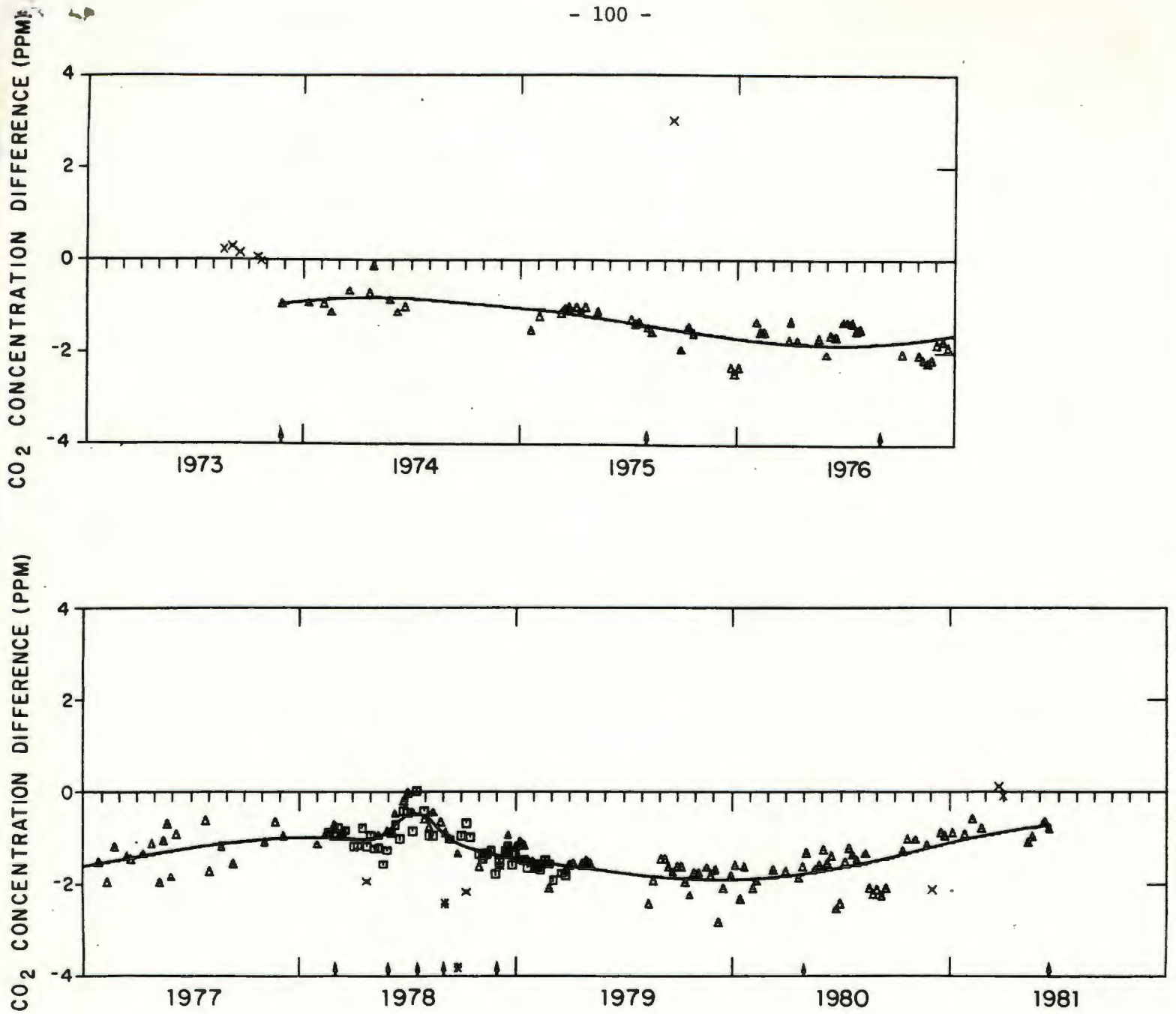


Figure 8. Time plots of the difference in mole fraction in ppm expressed as IOS flask analyses minus SIO flask analyses. Triangles indicated accepted 2 liter flask comparisons, squares denote accepted 5 liter flask comparisons. Crosses denote 2 liter flask comparisons peremptorily rejected. Stars indicate 5 liter flask comparisons peremptorily rejected. The smooth line is a knots type spline fit of the accepted data. The positions of the knots are shown by vertical arrows.