Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0320____ **Starting Date:** __January 12, 2024__ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐
		- OR -						
01	**0**		☐	☐	☐	☐	☐	☐
02	**0**		☐	☐	☐	☐	☐	☐
03	**0**		☐	☐	☐	☐	☐	☐
05	**0**		☐	☐	☐	☐	☐	☐
06	**0**		☐	☐	☐	☐	☐	☐
07	**0**		☐	☐	☐	☐	☐	☐
08	**0**		☐	☐	☐	☐	☐	☐
09	**4**	**Anomalous conductivity change at 238-241 meters depth.**	☐	☐	☐	☐	☐	☐
10	**0**		☐	☐	☐	☐	☐	☐
11	**0**		☐	☐	☐	☐	☐	☐
12	**0**		☐	☐	☐	☐	☐	☐
13	**0**		☐	☐	☐	☐	☐	☐
14	**0**		☐	☐	☐	☐	☐	☐
15	**4**	**Turbidity spike at 304 meters suggests possible bottom contact.**	☐	☐	☐	☐	☐	☐
16	**0**		☐	☐	☐	☐	☐	☐
17	**0**		☐	☐	☐	☐	☐	☐
18	**0**		☐	☐	☐	☐	☐	☐
19	**0**		☐	☐	☐	☐	☐	☐
20	**0**		☐	☐	☐	☐	☐	☐
21	**0**		☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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			☐	☐	☐	☐	☐	☐

Analyst's Comments
(these are not applied to the database)

This dump contains the first cast data collected in oceanographic year 2024; it represents the "mid-winter all-stations" survey. Twenty of 22 stations (00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17 ,18, 21 and 24) were successfully occupied. Stations 19, 20 in the upper East arm were not accessible due to thick pan ice.

Cast 4 is not included in the database as it was a false cast.

Cast 09 exhibits an abrupt decrease in conductivity at 238-241 meters that appears anomalous. It's likely the CTD pump pulled in debris or zooplankton that changed the volume of water in conductivity cell and caused this anomaly. It appears only this depth range was effected. For this reason the cast is marked as questionable.

Cast 15 has a turbidity spike near the bottom depth suggesting the CTD may have contacted the bottom. Data near the bottom may need to be discarded.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: _8__ **Data Dump #** ____0321____ **Starting Date:** ____March 05, 2024____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐

- OR -

22	**0**		☐	☐	☐	☐	☐	☐
23	**0**		☐	☐	☐	☐	☐	☐
24	**0**		☐	☐	☐	☐	☐	☐
25	**0**		☐	☐	☐	☐	☐	☐
26	**0**		☐	☐	☐	☐	☐	☐
27	**0**		☐	☐	☐	☐	☐	☐
28	**4**	**Turbidity and conductivity spike at bottom depths 269 -270 meters suggesting CTD hit bottom.**	☐	☐	☐	☐	☐	☐
29	**0**		☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This dump contains cast data from eight of eight core stations (01, 04, 07, 12, 13, 16, 20 and 24) during the March 2024 survey.

Cast 28 has high turbidity and an abrupt decline in conductivity at bottom depths suggests the CTD contacted the bottom. Data from the last 2 meters of the cast may need to be discarded.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __7__ **Data Dump #** ____0312____ **Starting Date:** __April 11, 2023_____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

31			☐	☐	☐	☐	☐	☐
32			☐	☐	☐	☐	☐	☐
33			☐	☐	☐	☐	☐	☐
34			☐	☐	☐	☐	☐	☐
35			☐	☐	☐	☐	☐	☐
36			☐	☐	☐	☐	☐	☐
37			☐	☐	☐	☐	☐	☐
38			☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This dump contains cast data from eight of eight core stations (01, 04, 07, 12, 13, 16 20 and 24) during the April 2024 survey.

Cast 30 is not included in the dataset as it was a false cast.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0323____ **Starting Date:** ___May 2, 2024____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

39			☐	☐	☐	☐	☐	☐
40			☐	☐	☐	☐	☐	☐
41			☐	☐	☐	☐	☐	☐
42			☐	☐	☐	☐	☐	☐
43			☐	☐	☐	☐	☐	☐
44			☐	☐	☐	☐	☐	☐
45			☐	☐	☐	☐	☐	☐
46			☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This dump contains cast data from eight of eight core stations (01, 04, 07, 12, 13, 16, 20 and 24) during the May, 2024 survey.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0324____ **Starting Date:** ____May 30, 2024____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐

- OR -

47	**0**		☐	☐	☐	☐	☐	☐
48	**0**		☐	☐	☐	☐	☐	☐
49	**4**	**Turbidity spike at 290-291 meters suggests possible bottom contact.**	☐	☐	☐	☐	☐	☐
50	**0**		☐	☐	☐	☐	☐	☐
51	**0**		☐	☐	☐	☐	☐	☐
52	**4**	**Turbidity spike at 140-142 meters suggests possible bottom contact.**	☐	☐	☐	☐	☐	☐
53	**0**		☐	☐	☐	☐	☐	☐
54	**0**		☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the "June" 2024 survey (actually conducted on May 30 due to area closures to motorized vessels in upper Muir Inlet during June).

Cast 49 has high turbidity near the bottom depth suggesting the CTD may have contacted the bottom. Data near the bottom may need to be discarded.

Cast 52 has high turbidity near the bottom depth suggesting the CTD may have contacted the bottom. Data near the bottom may need to be discarded.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

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Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0325____ **Starting Date:** ____July 18, 2024____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump	**0**		☐	☐	☐	☐	☐	☐

- OR -

55			☐	☐	☐	☐	☐	☐
56			☐	☐	☐	☐	☐	☐
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59			☐	☐	☐	☐	☐	☐
60			☐	☐	☐	☐	☐	☐
61			☐	☐	☐	☐	☐	☐
62			☐	☐	☐	☐	☐	☐
63			☐	☐	☐	☐	☐	☐
64			☐	☐	☐	☐	☐	☐
65			☐	☐	☐	☐	☐	☐
66			☐	☐	☐	☐	☐	☐
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71			☐	☐	☐	☐	☐	☐
73			☐	☐	☐	☐	☐	☐
74			☐	☐	☐	☐	☐	☐
75			☐	☐	☐	☐	☐	☐
76			☐	☐	☐	☐	☐	☐
77			☐	☐	☐	☐	☐	☐
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Analyst's Comments

This dump contains cast data collected from all 22 stations (00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, and 24) during the mid-summer "all-stations" July 2024 survey.

Cast 72 at station 03 was excluded from the dataset as strong winds and currents kept the CTD from getting to depth. The station was later recast under better conditions (Cast 77).

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

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Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8_ **Data Dump #** ____0326____ **Starting Date:** ____August 6, 2024____ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐
		- OR -						
78	**0**		☐	☐	☐	☐	☐	☐
79	**0**		☐	☐	☐	☐	☐	☐
80	**0**		☐	☐	☐	☐	☐	☐
81	**0**		☐	☐	☐	☐	☐	☐
82	**4**	**Turbidity and conductivity spike at near bottom depths 265 -267 meters suggesting CTD may have contacted bottom.**	☐	☐	☐	☐	☐	☐
83	**0**		☐	☐	☐	☐	☐	☐
84	**4**	**Turbidity spike at 306-307 meters suggests possible bottom contact. Log notes bottom contact.**	☐	☐	☐	☐	☐	☐
85	**0**		☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the August, 2024 survey.

Cast 82 has a spike in turbidity and conductivity near bottom depths suggesting the CTD may have contacted the bottom. Data near the bottom may need to be discarded.

Cast 84 has a spike in turbidity near bottom depths suggesting the CTD contacted the bottom. In addition the field log notes bottom contact. Data near the bottom may need to be discarded.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0327____ **Starting Date:** _September 9, 2024___ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐

- OR -

86	**0**		☐	☐	☐	☐	☐	☐
87	**0**		☐	☐	☐	☐	☐	☐
88	**0**		☐	☐	☐	☐	☐	☐
89	**0**		☐	☐	☐	☐	☐	☐
90	**4**	**Turbidity and conductivity spike at 269-270 meters suggests possible bottom contact.**	☐	☐	☐	☐	☐	☐
91	**0**		☐	☐	☐	☐	☐	☐
92	**0**		☐	☐	☐	☐	☐	☐
93	**0**		☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

This dump contains cast data collected from all 8 core stations (01, 04, 07, 12, 13, 16, 20, and 24) during the September, 2024 survey.

Cast 90 high turbidity and an abrupt decline in conductivity near bottom depths suggests the CTD contacted the bottom. Data near the bottom may need to be discarded.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0328____ **Starting Date:** ___October 8, 2024___ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐

- OR -

95	**0**		☐	☐	☐	☐	☐	☐
96	**4**	**A turbidity spike (273-274 m) near the bottom depth suggest the CTD may have contacted the bottom.**	☐	☐	☐	☐	☐	☐
98	**0**		☐	☐	☐	☐	☐	☐
99	**0**		☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
			☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

October cast data is split into two data dumps due to exceeding 100 cast. Cast serial numbers cannot be more than two digits. This dump contains cast data collected from 4 core stations (07,12,13,16) during the October, 2024 survey. Casts 100, 101,103 and 104 (01,03,04, 05) are included in dump 0329. This cruise concludes the 2024 oceanographic survey year.

Cast 94 (Station 04) is not included in the dataset due to strong wind and currents prevented the CTD getting to depth. This station was recast in cast 05 (104) dump 0329.

Cast 96 exhibits a near bottom spike in turbidity indicating the CTD may have contacted the bottom. Near bottom turbidity data may need to be discarded.

Cast 97 was a false cast on deck. It isn't included in the dataset.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010

Oceanographic Survey Data Quality Report
Glacier Bay National Park and Preserve

CTD #: __8__ **Data Dump #** ____0329____ **Starting Date:** ___October 8, 2024___ **Defective / Absent Sensors**

Cast#	Quality Code	Data Quality Comment	Cond	Temp	Fluo	OBS	PAR	O2
All Casts in Dump			☐	☐	☐	☐	☐	☐

- OR -

01	**0**		☐	☐	☐	☐	☐	☐
03	**0**		☐	☐	☐	☐	☐	☐
04	**0**		☐	☐	☐	☐	☐	☐
05	**4**	**Turbidity spike at 281 meters depth sugests the CTD may have contacted the bottom.Near bottom turbidity data may need to be discarded.**	☐	☐	☐	☐	☐	☐
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Analyst's Comments
(these are not applied to the database)

The October cast data is spilt into two data dumps (3028,3029) because serial cast number exceeded 99. Cast numbers can only be two digits. This 2nd dump contains cast data collected from the remaining 4 core stations (20, 01, 24, 04) during the "October 2024 survey. This cruise concludes the 2024 oceanographic survey year.

Cast 02 of this dump is not included in the data set as it was a profile near the mid Bay oceanographic mooring.

Cast 05 (Station 04) likely contacted the bottom as indicated by the near bottom turbidity spike. Near bottom turbidity data may need to be discarded.

Data quality codes are:
0 - good 1 - unknown 4 - questionable 8 - bad
as defined for Ocean Data View at http://odv.awi.de/fileadmin/user_upload/odv/misc/ODV4_QualityFlagSets.pdf.

Disqualified sensors are either those disconnected from the instrument or those, after cast data are reviewed, determined to be giving invalid readings. Checking the sensor's disqualify box will cause the OC_D database to have its values made NULL for the indicated cast(s).

Deliverable OC_M reporting sheet, revised 2/3/2010