

Reference values for Argo density inversion calculation

pres decibar	temp degree Celsius	psal PSU	Top to bottom rhoi-rhoi+1	Bottom to top rhoi-rhoi+1	Density inversion flag
4,2	27.4450	35.3160	0.0027	NaN	1
10	27.4520	35.3150	-0.0049	-0.0027	1
17,5	27.4410	35.3160	-0.0079	0.0049	1
24,5	27.4180	35.3160	-0.0060	0.0079	1
31,6	27.4010	35.3160	-0.0065	0.0060	1
38,7	27.3940	35.3210	-0.3790	0.0065	1
45,6	26.4430	35.4200	-0.1139	0.3790	1
52,3	26.0970	35.4260	-0.0994	0.1139	1
59,3	25.8000	35.4340	-0.1011	0.0994	1
67,4	25.5170	35.4510	-0.0569	0.1011	1
75,4	25.3120	35.4420	-0.2986	0.0569	1
83,5	24.4170	35.4760	-0.0701	0.2986	1
91,6	24.1320	35.4550	-0.0964	0.0701	1
99,5	23.8710	35.4790	-0.1095	0.0964	1
107,1	23.7310	35.5680	-0.1490	0.1095	1
115,4	23.5970	35.7120	-0.1722	0.1490	1
123,5	23.2190	35.7920	-0.1616	0.1722	1
131,6	22.4900	35.7260	-0.1069	0.1616	1
139,3	22.0350	35.6960	-0.0286	0.1069	1
147,5	21.9300	35.6940	-0.1086	0.0286	1
155,1	21.5550	35.6980	-0.0654	0.1086	1
163,5	21.3490	35.7080	-0.1168	0.0654	1
171,4	20.8190	35.6690	-0.0518	0.1168	1
180,6	20.6340	35.6700	-0.1514	0.0518	1
190,3	20.0890	35.6750	-0.1151	0.1514	1
200,3	19.4930	35.6180	-0.0669	0.1151	1
210,1	19.1230	35.5780	-0.0856	0.0669	1
221,3	18.6930	35.5440	-0.0510	0.0856	1
232,1	18.4440	35.5270	-0.1169	0.0510	1
244,3	17.8270	35.4760	-0.1677	0.1169	1
256,6	16.8410	35.3790	-0.0813	0.1677	1
270,6	16.3230	35.3230	-0.0740	0.0813	1
284,3	15.8450	35.2730	-0.1241	0.0740	1
298,2	15.0250	35.1900	-0.1473	0.1241	1
313,5	13.9300	35.0680	-0.0820	0.1473	1
330,1	13.2470	34.9860	-0.1326	0.0820	1
347,4	12.2060	34.8820	-0.0852	0.1326	1
364,3	11.5290	34.8350	-0.0533	0.0852	1
383,3	11.1680	34.7990	-0.1025	0.0533	1
403,3	10.3640	34.7380	-0.0709	0.1025	1
423,2	9.6960	34.6750	-0.0662	0.0709	1
445,3	9.0320	34.6120	-0.0504	0.0662	1
468,2	8.5400	34.5710	-0.0619	0.0504	1
492,2	7.9140	34.5200	-0.0360	0.0619	1
517,3	7.5420	34.4910	-0.0356	0.0360	1
544,5	7.2160	34.4720	-0.0320	0.0356	1
572,3	6.9200	34.4550	-0.0408	0.0320	1
601,3	6.5200	34.4310	-0.0382	0.0408	1
632,5	6.1980	34.4200	-0.0646	0.0382	1
665,4	5.7260	34.4170	-0.0316	0.0646	1
699,3	5.5180	34.4200	-0.0391	0.0316	1
735,4	5.2460	34.4220	-0.0454	0.0391	1
772,5	4.9510	34.4290	-0.0326	0.0454	1
812,2	4.7560	34.4370	-0.0334	0.0326	1
854,5	4.5760	34.4490	-0.0320	0.0334	1
898,4	4.3950	34.4590	-0.0304	0.0320	1
944,5	4.2360	34.4710	-0.0377	0.0304	1
992,1	4.0270	34.4840	-0.0364	0.0377	1
1043,5	3.8380	34.4990	-0.0339	0.0364	1
1097,5	3.6690	34.5140	-0.0261	0.0339	1
1153,4	3.5280	34.5240	-0.0243	0.0261	1
1212,2	3.4020	34.5340	-0.0305	0.0243	1
1274,2	3.2470	34.5470	-0.0197	0.0305	1
1340,2	3.1590	34.5570	-0.0265	0.0197	1
1408,5	3.0320	34.5690	-0.0330	0.0265	1
1481,4	2.8900	34.5870	-0.0242	0.0330	1
1557,3	2.7670	34.5970	-0.0243	0.0242	1
1636,4	2.6500	34.6080	-0.0221	0.0243	1
1720,4	2.5480	34.6180	-0.3135	0.0221	1
1809,2	2.4550	35.0000	0.2739	0.3135	4
1901,3	2.3670	34.6350	-0.0167	-0.2739	4
2,0091	2.2920	34.6420	NaN	0.0167	1

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This document provides density calculation values that are compliant with Argo density inversion test n°14

More on <http://www.argodatamgt.org/Documentation> and <http://www.argodatamgt.org/content/download/341/2650/file/argo-quality-control-manual-V2.7.pdf>