

## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS Osage Agency P. O. Box 1539 Pawhuska, OK 74056

In reply refer to: Office of the Superintendent

FFR N 4 2025

NOTICE:

TO ALL OIL AND GAS LESSEES AND CRUDE OIL PURCHASERS, AS OF JUNE 2016

THE OSAGE AGENCY WILL NO LONGER PROVIDE THE HIGHEST POSTED PRICE REPORTS VIA MAIL.

THE REPORTS MAY BE FOUND MONTHLY ON OUR WEBSITE AT THE FOLLOWING LINK, http://www.bia.gov/WhoWeAre/RegionalOffices/EasternOklahoma/WeAre/Osage/.

EFFECTIVE Oklahoma was

January 1, 2025

the highest posted price for crude oil purchased in Osage County,

\$68.25 per barrel for 40 degree API oil, paid by

Coffeyville, Sunoco

EFFECTIVE Oklahoma was January 2, 2025

the highest posted price for crude oil purchased in Osage County,

\$69.61 per barrel for 40 degree API oil, paid by Plains

EFFECTIVE Oklahoma was January 3-5, 2025

the highest posted price for crude oil purchased in Osage County,

\$70.50 per barrel for 40 degree API oil, paid by Coffeyville

EFFECTIVE

January 6, 2025

the highest posted price for crude oil purchased in Osage County,

\$70.04 per barrel for 40 degree API oil, paid by Plains

Oklahoma was EFFECTIVE

(7)

the highest posted price for crude oil purchased in Osage County,

Oklahoma was \$71.00 per barrel for 40 degree API oil, paid by Sunoco

**EFFECTIVE** 

January 8, 2025

January 7, 2025

the highest posted price for crude oil purchased in Osage County,

\$70.00 per barrel for 40 degree API oil, paid by Sunoco

Oklahoma was

January 9, 2025

the highest posted price for crude oil purchased in Osage County,

Oklahoma was \$70.50

\$70.50 per barrel for 40 degree API oil, paid by Sunoco

EFFECTIVE Oklahoma was

**EFFECTIVE** 

January 10-12, 2025

the highest posted price for crude oil purchased in Osage County,

\$73.05 per barrel for 40 degree API oil, paid by Plains

EFFECTIVE

January 13, 2025

the highest posted price for crude oil purchased in Osage County,

Oklahoma was \$75.50 per barrel for 40 degree API oil, paid by Sunoco

EFFECTIVE

January 14, 2025

the highest posted price for crude oil purchased in Osage County,

Oklahoma was \$74.25 per barrel for 40 degree API oil, paid by Sunoco

**EFFECTIVE** 

January 15, 2025

the highest posted price for crude oil purchased in Osage County,

Oklahoma was \$76.52 per barrel for 40 degree API oil, paid by Plains

**EFFECTIVE** 

January 16, 2025

the highest posted price for crude oil purchased in Osage County,

Oklahoma was \$75.

**\$75.16** per barrel for 40 degree API oil, paid by

Plains

EFFECTIVE Oklahoma was	January 17-19, 2025 the highest posted price for crude oil purchased in Osage County, \$74.36 per barrel for 40 degree API oil, paid by Plains
EFFECTIVE Oklahoma was	January 20, 2025 the highest posted price for crude oil purchased in Osage County, \$74.36 per barrel for 40 degree API oil, paid by Plains
EFFECTIVE Oklahoma was	January 21, 2025 the highest posted price for crude oil purchased in Osage County, \$72.50 per barrel for 40 degree API oil, paid by Sunoco
EFFECTIVE Oklahoma was	January 22, 2025 the highest posted price for crude oil purchased in Osage County, \$72.25 per barrel for 40 degree API oil, paid by Sunoco
EFFECTIVE Oklahoma was	January 23, 2025 the highest posted price for crude oil purchased in Osage County, \$71.25 per barrel for 40 degree API oil, paid by Sunoco
EFFECTIVE Oklahoma was	January 24-26, 2025 the highest posted price for crude oil purchased in Osage County, \$71.25 per barrel for 40 degree API oil, paid by Sunoco
EFFECTIVE Oklahoma was	January 27, 2025 the highest posted price for crude oil purchased in Osage County, \$69.65 per barrel for 40 degree API oil, paid by Plains
EFFECTIVE Oklahoma was	January 28, 2025 the highest posted price for crude oil purchased in Osage County, \$70.25 per barrel for 40 degree API oil, paid by Coffeyville, Plains
EFFECTIVE Oklahoma was	January 29, 2025 the highest posted price for crude oil purchased in Osage County, \$69.10 per barrel for 40 degree API oil, paid by Plains
EFFECTIVE Oklahoma was	January 30, 2025 the highest posted price for crude oil purchased in Osage County, \$69.25 per barrel for 40 degree API oil, paid by Coffeyville, Sunoco
EFFECTIVE Oklahoma was	January 31, 2025 the highest posted price for crude oil purchased in Osage County, \$69.01 per barrel for 40 degree API oil, paid by Plains

Under the terms of 25 CFR 226.11 (a)(2), royalty due the Osage Tribe is based on the actual selling price, but at not less than the highest posted price offered by a major purchaser in Osage County. If the actual selling price is not higher, then the above listed posted prices must be used to pay royalty. These prices were determined by a survey of posted prices paid by purchasers buying oil from Osage County. If your degree of API gravity is different than shown, please refer to the appropriate schedule enclosed. The Bureau of Indian Affairs is required to obtain royalty based on 25 CFR 226.11 (a)(2). The prices stated in this bulletin are subject to revision.

Sincerely,

Superintendent

					RICING SC ANUARY 20					HIGH: LOW:	76.52 68.25 71.8042
January 1,	2025	January 2,		January 3,		January 6	2025	January 7,	2025	AVERAGE: January 8,	
January I,	2023	January z,	2025	January 3, January 4,		January o	, 2025	January 7,	2025	January 6,	2025
			<del></del>	January 5,							
API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL
30.0-40.0	68.250		69.610	30.0-40.0			70.040	30.0-40.0	71.000		70.000
29.9	68.245	29.9	69.605	29.9	70.495	29.9	70.040	29.9		30.0-40.0 29.9	69.99
29.8 29.8	68.240	29.8	69.600		70.490	29.8	70.035				69.990
29.8 29.7	68.235		69.595	29.6 29.7	70.490	29.6	70.030				
											69.98
29.6	68.230		69.590		70.480	29.6	70.020				69.98
29.5	68.225	29.5	69.585	29.5	70.475	29.5	70.015				69.97
29.4	68.220		69.580	29.4	70.470	29.4	70.010				69.97
29.3	68.215		69.575		70.465	29.3	70.005				69.96
29.2	68.210		69.570		70.460	29.2	70.000				69.96
29.1	68.205	29.1	69.565		70.455	29.1	69.995				69.95
29.0	68.200	29.0	69.560	29.0	70.450	29.0	69.990				69.95
28.9	68.195	28.9	69,555	28.9	70.445	28.9	69.985				69.94
28.8	68.190		69.550	28.8	70.440	28.8	69.980				69.94
28.7	68.185		69.545	28.7	70.435	28.7	69.975				69.93
28.6	68.180		69.540	28.6	70.430	28.6	69.970				69.93
28.5	68.175	28.5	69.535	28.5	70.425	28.5	69.965	28.5			69.92
28.4	68.170	28.4	69.530	28.4	70.420	28.4	69.960				69.92
28.3	68.165		69.525		70.415		69.955				69.91
28.2	68.160		69.520		70.410	28.2	69.950				69.910
28.1	68.155	28.1	69.515	28.1	70.405	28.1	69.945	28.1	70.905	28.1	69.90
28.0	68.150	28.0	69.510	28.0	70.400	28.0	69.940			28.0	69.90
27.9	68.145	27.9	69.505	27.9	70.395	27.9	69.935	27.9	70.895	27.9	69.89
27.8	68.140	27.8	69.500	27.8	70.390	27.8	69.930	27.8	70.890	27.8	69.89
27.7	68.135	27.7	69.495	27.7	70.385	27.7	69.925	27.7	70.885	27.7	69.88
27.6	68.130	27.6	69.490	27.6	70.380	27.6	69.920	27.6	70.880		69.88
27.5	68.125	27.5	69.485	27.5	70.375	27.5	69.915				69.87
27.4	68.120		69.480	27.4	70.370	27.4	69.910				69.87
27.3	68.115		69.475	27.3	70.365	27.3	69.905				69.86
27.2	68.110		69.470	27.2	70.360	27.2	69.900				69.86
27.1	68.105	27.1	69.465	27.1	70.355	27.1	69.895	27.1			69.85
27.0	68.100		69,460	27.0	70.350	27.0	69.890				69.85
26.9	68.095	26.9	69.455	26.9	70.345	26.9	69.885				69.84
26.8	68.090		69.450	26.8	70.340	26.8	69.880	1			69.84
26.7	68.085	26.7	69.445		70.335	26.7	69.875				69.83
26.6	68.080	t	69,440	1	70.330	ł .	69.870			į.	69.83
26.5	68.075	L	69.435		70.325	t .	69.865			l	69.82
26.5 26.4	68.070		69.430				69.860	ŀ			69.82
26.4 26.3	68.065		69.425		70.320		69.855				69.81
26.3 26.2	68.060		69.420		70.315						69.81
			69.420		70.310		69.850 69.845				
26.1	68.055	b .					69.845 69.840				69.80
26.0	68.050		69.410		70.300						69.80
25.9	68.045		69.405		70.295		69.835				69.79
25.8	68.040		69.400		70.290		69.830				69.79
25.7	68.035		69.395		70.285	25.7	69.825				69.78
25.6	68.030		69.390		70.280		69.820				69.78
25.5	68.025		69.385		70.275		69.815			1	69.77
25.4	68.020		69.380		70.270		69.810				69.77
25.3	68.015		69.375		70.265		69.805				69.76
25.2	68,010		69.370		70.260		69.800				69.76
25.1	68.005		69.365		70.255		69.795				69.75
25.0	68.000		69.360		70.250		69.790				69.75
24.9	67.995		69.355				69.785				69.74
24.8	67.990		69.350		70.240		69.780				69.74
24.7	67.985	24.7	69.345	24.7	70.235	24.7	69.775	24.7	70.735	24.7	69.73
24.6	67.980		69.340		70.230		69.770				69.73
24.5	67.975		69.335		70.225		69.765				69.72
24.4	67.970		69.330		70.220	1	69.760				69.72
24.3	67.965		69.325		70.215		69.755			1	69.71

			00105	OFNOV B	2101210 00					HIGH:	76.52
				NGENCY PI						LOW: AVERAGE:	68.25 71.8042
January 9,	2025	January 10		January 13		January 1	4 2025	January 15	2025	January 16	
		January 11			1 =		11 -00	cumum, .c	1	100110017 10	
		January 12									
API GRAV	PRICE BBL		PRICE BBL	API GRAV	PRICE BBL						
30.0-40.0		30.0-40.0	73.050	30.0-40.0		30.0-40.0	74.250	30.0-40.0	76.520		75.160
29.9 29.8	70.495 70.490		73.045 73.040	29.9 29.8	75.495 75.490		74.245 74.240	29.9 29.8			75.155 75.150
29.7	70.485		73.040	29.8 29.7	75.490 75.485		74.240	29.6 29.7	76.510		75.150 75.145
29.6	70.480		73.030	29.6	75.480		74.230	29.6	76.500		75.140
29.5	70.475		73.025	29.5	75.475		74.225	29.5			75.135
29.4	70.470		73.020	29.4	75.470		74.220	29.4			75.130
29.3	70.465		73.015	29.3	75.465		74,215	29.3	76.485		75.125
29.2	70.460		73.010	29.2	75.460		74.210	29.2			75.120
29.1	70.455		73.005	29.1	75.455		74.205	29.1	76.475		75.115
29.0	70.450		73.000	29.0	75.450		74.200	29.0	76.470		75.110
28.9	70.445		72.995	28.9	75.445		74.195	28.9	76.465		75.105
28.8 28.7	70.440 70.435	28.8 28.7	72.990 72.985	28.8 28.7	75.440 75.435	28.8 28.7	74.190 74.185	28.8 28.7	76.460 76.455		75.100 75.095
28.6	70.435		72.980	28.6	75.435 75.430		74.185 74.180	28.7 28.6	76.455 76.450		75.095 75.090
28.5	70.425		72.975	28.5	75.425		74.175	28.5			75.085
28.4	70.420		72.970	28.4	75.420		74.170		76.440		75.080
28.3	70.415		72.965	28.3	75.415		74.165	28.3			75.075
28.2	70.410		72,960	28.2	75.410		74.160	28.2	76.430	28.2	75.070
28.1	70.405	28.1	72.955	28.1	75.405		74.155	28.1	76.425		75.065
28.0	70.400	28.0	72.950	28.0	75.400		74.150	28.0	76.420		75.060
27.9	70.395		72.945	27.9	75.395		74.145	27.9	76.415		75.055
27.8	70.390		72.940	27.8	75.390		74.140	27.8	76.410		75.050
27.7 27.6	70.385 70.380		72.935 72.930	27.7 27.6	75.385 75.380		74.135 74.130	27.7 27.6	76.405 76.400		75.045 75.040
27.5	70.375		72.925	27.5	75.375		74.130	27.5 27.5	76.400		75.040 75.035
27.4	70.370		72.920	27.4	75.370		74.120	27.4	76.390		75.030
27.3	70.365		72.915	27.3	75.365		74.115	27.3	76.385		75.025
27.2	70.360		72.910	27.2	75.360		74.110	27.2	76.380		75.020
27.1	70.355		72.905	27.1	75.355		74.105	27.1	76.375	27.1	75.015
27.0	70.350	27.0	72.900	27.0	75.350	27.0	74.100	27.0	76.370		75.010
26.9	70.345		72.895	26.9	75.345		74.095	26.9	76.365		75.005
26.8	70.340		72.890	26.8	75.340		74.090	26.8	76.360		75.000
26.7	70.335		72.885	26.7	75.335		74.085	26.7	76.355		74.995
26.6 26.5	70,330 70,325		72.880 72.875	26.6 26.5	75.330 75.325		74.080 74.075	26,6 26.5	76.350 76.345		74.990 74.985
26.4	70.323		72.870	26.4	75.320		74.073				74.980
26.3	70.320		72.865	26.3	75.320 75.315		74.070	26.3			74.900
26.2	70.310		72.860	26.2	75.310		74.060		76.330		74.970
26.1	70.305		72.855	26.1	75.305		74.055	26.1	76.325		74.965
26.0	70.300	26.0	72.850	26.0	75.300	26.0	74.050	26.0	76.320	26.0	74.960
25.9	70.295		72.845	25.9	75.295		74.045	25.9	76.315		74.955
25.8	70.290		72.840	25.8	75.290		74.040		76.310		74.950
25.7	70.285		72.835	25.7	75.285		74.035	25.7	76.305		74.945
25.6 25.5	70.280 70.275		72.830 72.825	25.6 25.5	75.280 75.275		74.030 74.025		76.300		74.940 74.935
25.5 25.4	70.275 70.270		72.825 72.820	25.5 25.4	75.275 75.270		74.025 74.020	25.5 25.4	76.295 76.290		74.935 74.930
25.3	70.265		72.815	25.4	75.265		74.020		76.285		74.935
25.2	70.260		72.810	25.2	75.260		74.010		76.280		74.920
25.1	70.255		72.805	25.1	75.255		74.005	25.1	76.275		74.915
25.0	70.250	25.0	72.800	25.0	75.250	25.0	74.000	25.0	76.270	25.0	74.910
24.9	70.245		72.795	24.9	75.245		73.995	24.9			74.905
24.8	70.240		72.790	24.8	75.240		73.990				74.900
24.7	70.235		72.785	24.7	75.235		73.985		76.255		74.895
24.6	70.230		72.780	24.6	75.230		73.980		76.250		74.890
24.5	70.225		72.775	24.5	75.225	24.5	73.975	24.5			74.885
24.4 24.3	70.220 70.215		72.770 72.765	24.4 24.3	75.220 75.215		73.970 73.965	24.4 24.3	76.240 76.235		74.880 74.875

			00405	ACTUON DE	NOINO OO	UEDIUE				HIGH:	76.52
				AGENCY PR						LOW:	68.25
lancone 4	7 2025	lanuani 20		NTH OF JA			2 2025	l 00	2005	AVERAGE:	71.8042
January 1		January 20	J, 2025	January 21	, 2025	January 2:	2, 2025	January 23	, 2025	January 24	
January 1 January 1										January 25	
		API GRAV	DDIAE DOI	ADLODAY	מאסב מאס	ADLODAY	SDIOE DDI	ABLODAY	DDIOE DDI	January 26,	
API GRAV 30,0-40,0		30.0-40.0	PRICE BBL <b>74.360</b>	API GRAV 30.0-40,0	PRICE BBL	API GRAV 30.0-40.0	PRICE BBL 72.250		PRICE BBL 71.250	API GRAV	PRICE BBL 71.250
29.9	74.355		74.355		72.495		72.245	30.0-40.0 29.9	71.230		71.230
29.8	74.350		74.350		72.490		72.240	29.8	71.240		71.245
29.7	74.345	29.7	74.345	29.7	72.485		72.235	29.7	71.235		71.240
29.6	74.340	29.6	74.340		72.480		72.230	29.6	71.230		71.230
29.5	74.335		74.335	29.5	72.475		72.225	29.5	71.225		71.225
29.4	74.330	1	74.330		72.470	1	72.220	29.4	71.220		71.220
29.3	74.325		74.325	29.3	72.465	1	72.215	29.3	71.215		71.215
29.2	74.320	29.2	74.320	29.2	72.460		72,210	29.2	71.210		71.210
29.1	74.315	29.1	74.315	29.1	72.455		72.205	29.1	71.205		71.205
29.0	74.310		74.310	29.0	72.450		72.200	29.0	71.200		71.200
28.9	74.305		74.305	28.9	72.445		72.195	28.9	71.195		71.195
28.8	74.300		74.300	28.8	72.440		72.190	28.8	71.190		71.190
28.7	74.295	28.7	74.295	28.7	72.435		72.185	28.7	71.185	28.7	71.185
28.6	74.290		74.290	28.6	72.430		72.180		71.180		71:180
28.5	74.285	28.5	74.285	28.5	72.425		72.175		71.175		71.175
28.4	74.280		74.280	28.4	72.420		72.170		71.170		71.170
28.3	74.275		74.275	28.3	72.415		72.165	28.3	71.165		71.165
28.2	74.270		74.270	28.2	72.410		72.160		71.160		71.160
28.1	74.265	28.1	74.265	28.1	72.405		72.155	28.1	71.155		71.155
28.0	74.260	28.0	74.260	28.0	72.400	28.0	72.150	28.0	71.150		71.150
27.9	74.255	27.9	74.255	27.9	72.395		72.145	27.9	71.145		71.145
27.8	74.250	27.8	74.250	27.8	72.390	27.8	72.140	27.8	71.140		71.140
27.7	74.245	27.7	74.245	27.7	72.385		72.135	27.7	71.135		71.135
27.6	74.240		74.240	27.6	72.380		72.130		71.130		71.130
27.5 27.4	74,235 74,230		74.235 74.230	27.5 27.4	72.375 72.370		72.125	27.5	71.125		71.125
27.4	74.230	27.4	74.230	27. <del>4</del> 27.3	72.370 72.365		72.120 72.115	27.4 27.3	71.120	I	71.120
27.3	74.223		74.220	27.2 27.2	72.360		72.113		71.115 71.110		71.115 71.110
27.2	74.220	27.2	74.220	27.2	72.355		72.110	27.2	71.110		71.110
27.0	74.210	27.0	74.210	27.0	72.350	27.0	72.100	27.1	71.100		71.103
26.9	74.205		74.205	26.9	72.345	26.9	72.095	26.9	71.095		71.095
26.8	74.200	26.8	74.200	26.8	72.340		72.090	26.8	71.090		71.090
26.7	74.195		74.195		72.335		72.085	26.7	71.085	1	71.085
26.6	74.190		74.190		72.330		72.080		71.080		71.080
26.5	74.185		74.185		72.325		72.075	26.5	71.075		71.075
26.4	74.180		74.180		72.320		72.070	26.4	71.070		71.070
26.3	74.175		74.175		72.315		72.065	26.3	71.065		71.065
26.2	74.170		74.170		72.310		72.060	26.2	71.060		71.060
26.1	74.165		74.165		72.305		72.055	26.1	71.055		71.055
26.0	74.160	26.0	74.160	26.0	72.300	26.0	72.050		71.050		71.050
25.9	74.155		74.155	25.9	72.295	25.9	72.045	25.9	71.045	25.9	71.045
25.8	74.150		74.150		72.290		72.040	25.8	71.040		71.040
25.7	74.145		74.145		72.285		72.035	25.7	71.035		71.035
25.6	74.140		74.140		72.280		72.030	25.6	71.030		71.030
25.5	74.135	25.5	74.135	25.5	72.275		72.025	25.5	71.025		71.025
25.4	74.130		74.130		72.270		72.020	25.4	71.020		71.020
25.3	74.125		74.125		72.265	1	72.015	25.3	71.015		71.015
25.2	74.120		74.120		72.260		72.010	25.2	71.010		71.010
25.1	74.115		74.115		72.255		72.005	25.1	71.005		71.005
25.0	74.110		74.110		72.250		72.000	25.0	71.000		71.000
24.9	74.105		74.105	24.9	72.245		71.995	24.9	70.995		70.995
24.8	74.100		74.100		72.240		71.990	24.8	70.990		70.990
24.7 24.6	74.095 74.090	24.7	74.095		72.235 72.230		71.985	24.7	70.985		70.985
24.6 24.5	74.090 74.085		74.090 74.085	24.6 24.5	72.230 72.225		71.980	24.6	70.980		70.980
							71.975	24.5	70.975		70.975 70.970
											70.970 70.965
24.4 24.3	74.080 74.075	24.4	74.080 74.075	24.4	72.220 72.215	24.4	71.970 71.965		70.970 70.965	24.4	70.9

			OSAGE A	AGENCY P	RICING SC	HEDIII F				HIGH: LOW:	76.5 68.2
					NUARY 20					AVERAGE:	71.804
January 2	7, 2025	January 28		January 29		January 30	), 2025	January 31,	2025		
API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL	API GRAV	PRICE BBL		
30.0-40.0	69.650		70.250	30.0-40.0	69.100		69.250	30.0-40.0	69.010		
29.9	69.645	29.9	70.245	29.9	69.095		69.245	29.9	69.005		
29.8	69.640		70.240		69.090		69.240		69.000		
29.7	69.635		70.235	29.7	69.085		69.235		68.995		
29.6 29.5	69.630 69.625		70.230 70.225	29.6 29.5	69.080 69.075	i .	69.230 69.225	29.6 29.5	68.990 68.985		
29.4	69.620		70.220	29.4	69.070		69.220		68.980		
29.3	69.615		70.215	29.3	69.065		69.215		68.975		
29.2	69.610		70.210	29.2	69.060		69.210		68.970		
29.1	69.605		70.205	29.1	69.055		69.205		68.965		
29.0	69.600		70.200	29.0	69.050		69.200		68.960		
28.9 28.8	69.595 69.590		70.195 70.190	28.9 28.8	69.045 69.040		69.195 69.190		68.955 68.950		
28.7	69.585		70.190	28.7	69.035		69.185		68.945		
28.6	69.580		70.180	28.6	69.030		69.180	28.6	68.940		
28.5	69.575		70.175	28.5	69.025	28.5	69.175	28.5	68.935		
28.4	69.570		70.170	28.4	69.020		69.170		68.930		
28.3	69.565		70.165	28.3	69.015		69.165		68.925		
28.2 28.1	69.560 69.555		70.160 70.155	28.2 28.1	69.010 69.005		69.160 69.155	28.2 28.1	68.920 68.915		
28.0	69.550		70.150	28.0	69.000		69.150	28.0	68.910		
27.9	69.545		70.145	27.9	68.995		69.145	27.9	68.905		
27.8	69.540		70.140	27.8	68.990	27.8	69.140	27.8	68.900		
27.7	69.535		70.135	27.7	68.985		69.135	27.7	68.895		
27.6	69.530		70.130	27.6	68.980		69.130	27.6	68.890		
27.5 27.4	69.525 69.520		70.125 70.120	27.5 27.4	68.975 68.970		69.125 69.120	27.5 27.4	68.885 68.880		
27.3	69.515		70.120	27.3	68.965		69.115	27.4	68.875		
27.2	69.510		70.110	27.2	68.960		69.110	27.2	68.870		
27.1	69.505	27.1	70.105	27.1	68.955	27.1	69.105	27.1	68.865		
27.0	69.500		70.100	27.0	68.950		69.100	27.0	68.860		
26.9	69.495		70.095	26.9	68.945		69.095	26.9	68.855		
26.8 26.7	69.490 69.485		70.090 70.085	26.8 26.7	68.940 68.935		69.090 69.085	26.8 26.7	68.850 68.845		
26.6	69.480		70.080		68.930		69.080		68.840		
26.5	69.475		70.075	26.5	68.925		69.075	26.5	68.835		
26.4	69.470	26.4	70.070	26.4	68.920		69.070	26.4	68.830		
26.3	69.465		70.065	26.3	68.915		69.065	26.3	68.825		
26.2	69.460		70.060	26.2	68.910		69.060	26.2	68.820		
26.1 26.0	69.455 69.450		70.055 70.050	26.1 26.0	68.905 68.900		69.055 69.050	26.1 26.0	68.815 68.810		
25.9	69.445		70.045	25.9	68.895		69.045	25.9	68.805		
25.8	69.440		70.040	25.8	68.890		69.040	25.8	68.800		
25.7	69.435		70.035	25.7	68.885		69.035	25.7	68.795		
25.6	69.430		70.030	25.6	68.880		69.030	25.6	68.790		
25.5 25.4	69.425		70.025	25.5	68.875		69.025	25.5	68.785		
25.4 25.3	69.420 69.415		70.020 70.015	25.4 25.3	68.870 68.865		69.020 69.015	25.4 25.3	68.780 68.775		
25.2	69.410		70.010		68.860		69.010	25.2	68.770		
25.1	69.405		70.005	25.1	68.855		69.005	25.1	68.765		
25.0	69.400	25.0	70.000	25.0	68.850	25.0	69.000	25.0	68.760		
24.9	69.395		69.995	24.9	68.845	24.9	68.995	24.9	68.755		
24.8	69.390		69.990	24.8	68.840		68.990	24.8	68.750		
24.7 24.6	69.385 69.380		69.985 69.980	24.7 24.6	68.835 68.830		68.985 68.980	24.7 24.6	68.745 68.740		
24.5	69.375		69.975	24.6 24.5	68.825		68.975	24.6 24.5	68.735		
24.4	69.370		69.970	24.4	68.820		68.970	24.4	68.730		
24.3	69.365		69.965	24.3	68.815		68.965	24.3	68.725		