

$$\text{Altitude} = A X^6 + B X^5 + C X^4 + D X^3 + E X^2 + F X + G$$

where, $X = \text{LN}(\text{Pressure})$

Altitude in meters, Pressure in atmospheres

Eve							
Pressure Range	A	B	C	D	E	F	G
5.0000000000 to 1.12007698001	-723.7148	4342.4569	-10282.2071	11538.0253	-4963.1586	-6915.5508	10558.0417
1.12007698001 to 0.28716308907	389.9016	867.5895	892.5145	17.8773	-548.8649	7454.7536	10576.2764
0.28716308907 to 0.00807378041	42.9193	706.8304	4724.9190	16181.6106	28698.3889	15861.4957	17096.5823
0.00807378041 to 0.00005440070	5.69147	236.6809	4054.4144	36448.8073	179196.2645	439502.6727	437851.9344
0.00005440070 to 0.00001557034	-6614.0356	-418254.4724	-11018680.4139	-154791367.262	-1222981144.43	-5152639439.94	-9044172960.71
0.00001557034 to 0.00000000000	-0.104561	-9.58893	-366.8983	-7509.1267	-86891.7804	-540677.6401	-1329674.6018

Kerbin							
Pressure Range	A	B	C	D	E	F	G
1.00000000000 to 0.22336106588	0.0328017	0.102500	-1.46675	-38.7894	-632.8871	-6747.5976	0.0000
0.22336106588 to 0.04778940044	-4.43624	-80.9733	-552.4300	-1873.8150	-3392.0736	-8231.7076	13.1573
0.04778940044 to 0.00217294251	10.1986	274.1737	3049.2988	17925.7118	58753.8642	96676.8698	73910.7956
0.00217294251 to 0.00017308601	-132.3948	-5964.5156	-111546.9111	-1108287.3229	-6169048.3843	-18244324.4053	-22375840.2078
0.00017308601 to 0.00001477495	-47.0778	-2817.6658	-70132.8526	-929223.7202	-6912270.0911	-27378297.0625	-45083296.7570
0.00001477495 to 0.00000295623	-17.8335	-1314.1318	-40392.5997	-663049.0434	-6132639.3445	-30318513.4151	-62571978.7041
0.00000295623 to 0.00000000000	-0.0345738	-3.60588	-157.3585	-3684.6145	-48942.2186	-350764.4741	-994109.1848

Duna							
Pressure Range	A	B	C	D	E	F	G
0.20000000000 to 0.03777511966	1.66116	18.8356	83.7291	-0.472169	-2193.3691	-15385.0170	-19468.9911
0.03777511966 to 0.00713479891	203.4389	4789.5674	46933.5068	244725.5524	714715.3846	1100567.8220	701199.8541
0.00713479891 to 0.00058565991	-285.7536	-10573.2112	-162114.2117	-1318994.8291	-6008620.6602	-14541348.0205	-14600256.5789
0.00058565991 to 0.00000000000	-0.0614804	-4.96362	-168.5626	-3099.0793	-32769.5569	-190688.3169	-432367.9737

Jool							
Pressure Range	A	B	C	D	E	F	G
15.00000000000 to 6.19830841352	-83388.3071	1195648.8963	-7123066.4454	22555207.7550	-40000184.5240	37588585.8818	-14549033.4853
6.19830841352 to 0.29607698001	37.8021	-80.8142	-308.4596	696.6222	-3949.3062	-28349.6914	96381.6144
0.29607698001 to 0.09869232667	-123509.7170	-1285993.3418	-5515280.3938	-12483143.3282	-15733335.9139	-10487296.3456	-2771304.4092
0.09869232667 to 0.00000000000	-2.02894	-85.5616	-1476.6425	-13469.2694	-69816.6518	-202614.8312	-74848.8057

Laythe							
Pressure Range	A	B	C	D	E	F	G
0.60000000000 to 0.32972099679	-6403.2750	-38643.4069	-95568.9051	-128251.6713	-102101.1400	-54688.7039	-13112.1324
0.32972099679 to 0.17553466568	58.3595	403.2620	1241.5027	1848.1410	431.6749	-9407.3362	-4506.8983
0.17553466568 to 0.07007724648	2251.7407	29312.5265	156616.8354	440843.0575	691590.9699	567558.8822	195486.4523
0.07007724648 to 0.03762566987	18390.3977	338829.8745	2584384.8454	10452378.6552	23657592.1283	28423465.9886	14179716.0576
0.03762566987 to 0.01295319023	2566.6449	58045.8444	544085.4604	2707076.6170	7544713.4928	11165862.2590	6869282.9991
0.01295319023 to 0.00503731063	3709.9721	107803.5272	1301178.2088	8351945.7370	30075332.2498	57614484.3835	45899505.8860
0.00503731063 to 0.00000000000	-0.0828039	-5.40918	-148.2194	-2198.3913	-18833.0078	-89779.9585	-139873.1753