

The tables and plots on this page can be used to determine the prism position to use to cover a desired wavelength range. The table gives the first and last orders and the wavelength range for each prism position. There is likely an uncertainty of +/-2 orders.

Red prism

Prism position	Order 1	Order 2	lambda 1	lambda 2
45000	61	111	9397	5089
45100	67	115	8555	4912
45200	70	117	8189	4828
45300	73	119	7852	4747
45400	76	121	7542	4669
45500	78	123	7349	4593
45600	80	124	7165	4556
45700	82	126	6990	4483
45800	84	127	6824	4448
45900	86	128	6665	4413
46000	87	130	6589	4345
46100	89	131	6441	4312
46200	90	132	6369	4280
46300	91	133	6299	4247
46400	92	134	6231	4216
46500	93	134	6164	4216
46600	94	135	6098	4185
46700	94	136	6098	4154
46800	95	136	6034	4154
46900	95	137	6034	4123
47000	95	137	6034	4123
47100	96	138	5971	4094
47200	96	138	5971	4094
47300	96	138	5971	4094
47400	95	138	6034	4094
47500	95	138	6034	4094
47600	92	137	6231	4123
47700	94	139	6098	4064
47800	91	137	6299	4123
47900	93	138	6164	4094
48000	92	138	6231	4094
48100	91	138	6299	4094
48200	89	137	6441	4123

Determining_prism_position

48300	89	137	6441	4123		
48400	87	136	6589	4154		
48500	86	136	6665	4154		
48600	84	136	6824	4154		
48700	82	135	6990	4185		
48800	81	134	7077	4216		

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Blue prism

Prism position	Order 1	Order 2	Lambda 1	Lambda 2
100	105	149	5459	3791
200	107	149	5357	3791
300	108	148	5308	3817
400	110	148	5211	3817
500	111	148	5164	3817
600	112	148	5118	3817
700	113	149	5073	3791
800	114	149	5028	3791
900	115	149	4985	3791
1000	107	149	5357	3791
1100	117	149	4899	3791
1200	117	149	4899	3791
1300	117	149	4899	3791
1400	117	149	4899	3791
1500	117	149	4899	3791
1600	117	148	4899	3817
1700	117	148	4899	3817
1800	118	149	4858	3791
1900	117	148	4899	3817
2000	117	149	4899	3791
2100	116	148	4942	3817
2200	115	148	4985	3817
2300	115	148	4985	3817
2400	114	149	5028	3791
2500	113	148	5073	3817
2600	112	148	5118	3817
2700	111	148	5164	3817

Determining_prism_position

2800	110	149	5211	3791
2900	109	148	5259	3817
3000	107	148	5357	3817

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