

RKR Turning Points for the NaK $4^3\Sigma^+$ State

v	R_{min} (Å)	R_{max} (Å)	$E(\text{cm}^{-1})$
-0.5065		4.1976	23940.4532
-0.4	4.1244	4.2835	23948.8293
-0.2	4.0793	4.3509	23964.3893
0	4.0497	4.4009	23979.7253
0.2	4.0259	4.4432	23994.8462
0.4	4.0052	4.4805	24009.7649
0.6	3.9863	4.5142	24024.4978
0.8	3.9687	4.5450	24039.0639
1	3.9519	4.5735	24053.4842
2	3.8779	4.6911	24124.1416
3	3.8201	4.7876	24193.7527
4	3.7793	4.8867	24262.1554
5	3.7507	5.0047	24326.8275
6	3.7262	5.1455	24384.9987
7	3.6996	5.2968	24436.1520
8	3.6711	5.4330	24482.7339
9	3.6457	5.5340	24528.5596
10	3.6250	5.6031	24576.3937
11	3.6062	5.6585	24626.7026
12	3.5868	5.7148	24678.3081
13	3.5667	5.7755	24729.9821
14	3.5475	5.8365	24781.4570
15	3.5304	5.8930	24833.2029
16	3.5150	5.9455	24885.5657
17	3.4999	5.9983	24938.2809
18	3.4844	6.0542	24990.7481
19	3.4688	6.1125	25042.6138
20	3.4540	6.1702	25094.0036
21	3.4408	6.2259	25145.2387
22	3.4290	6.2811	25196.4185
23	3.4183	6.3387	25247.2961
24	3.4081	6.4005	25297.4889
25	3.3978	6.4657	25346.7404
26	3.3871	6.5323	25394.9947
27	3.3754	6.5990	25442.3013
28	3.3635	6.6659	25488.7093
29	3.3522	6.7344	25534.2304
30	3.3427	6.8058	25578.8373
31	3.3352	6.8811	25622.4726
32	3.3297	6.9598	25665.1129
33	3.3266	7.0399	25706.8882

Includes Y_{00} correction = +0.5105 cm^{-1} .