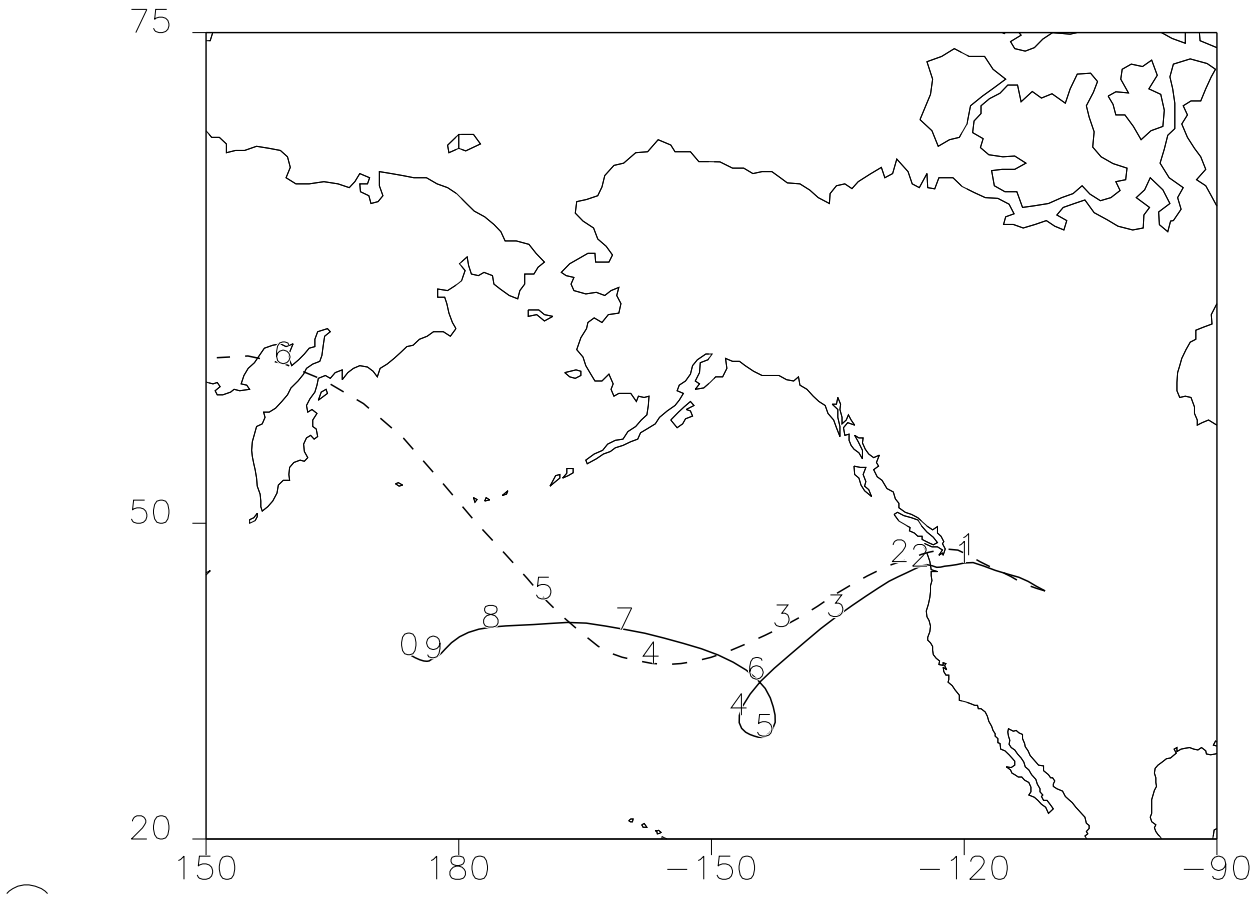
3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/1/2006 (Day of Year 121)
NCEP/NCAR Reanalysis 1 Data Set

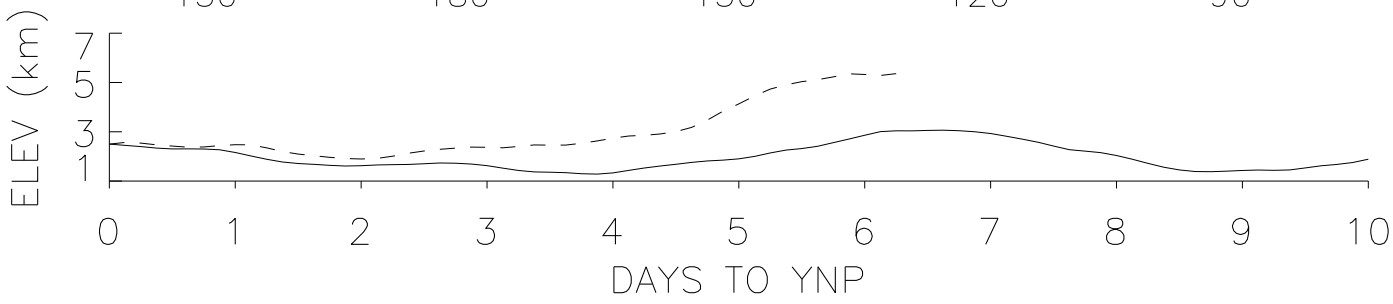


00UT

Day	km	hPa	C
0	2.5	752	2
1	2.2	784	4
2	1.6	841	8
3	1.6	841	7
4	1.3	874	9
5	1.9	819	8
6	2.9	724	1
7	2.9	710	−1
8	2.0	795	1
9	1.4	861	2
10	1.9	815	3

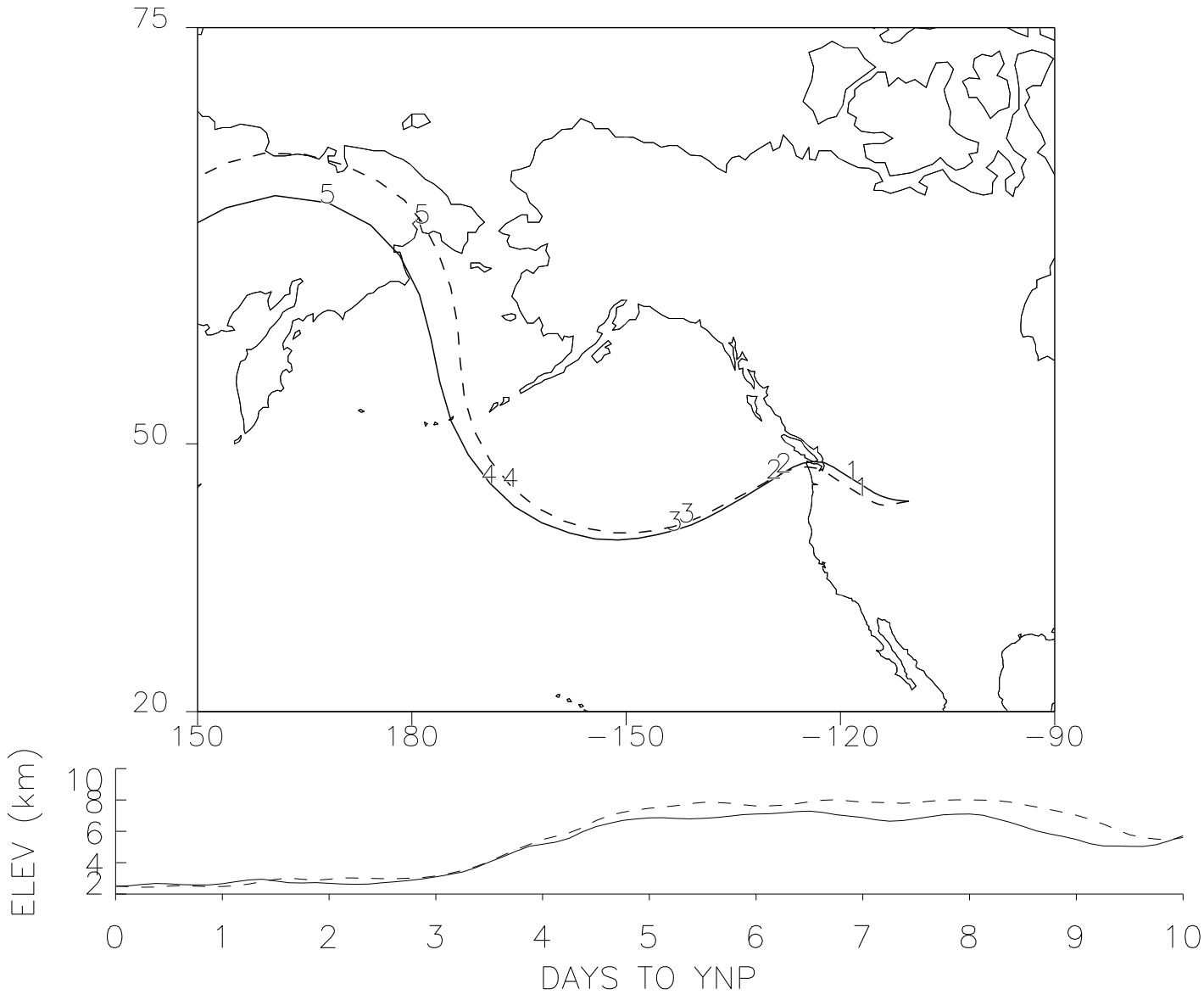
06UT

Day	km	hPa	C
0	2.5	752	−2
1	2.5	751	−4
2	1.9	812	2
3	2.4	763	−1
4	2.7	728	−3
5	4.1	604	−17
6	5.3	508	−25



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/1/2006 (Day of Year 121)
NCEP/NCAR Reanalysis 1 Data Set



12UT

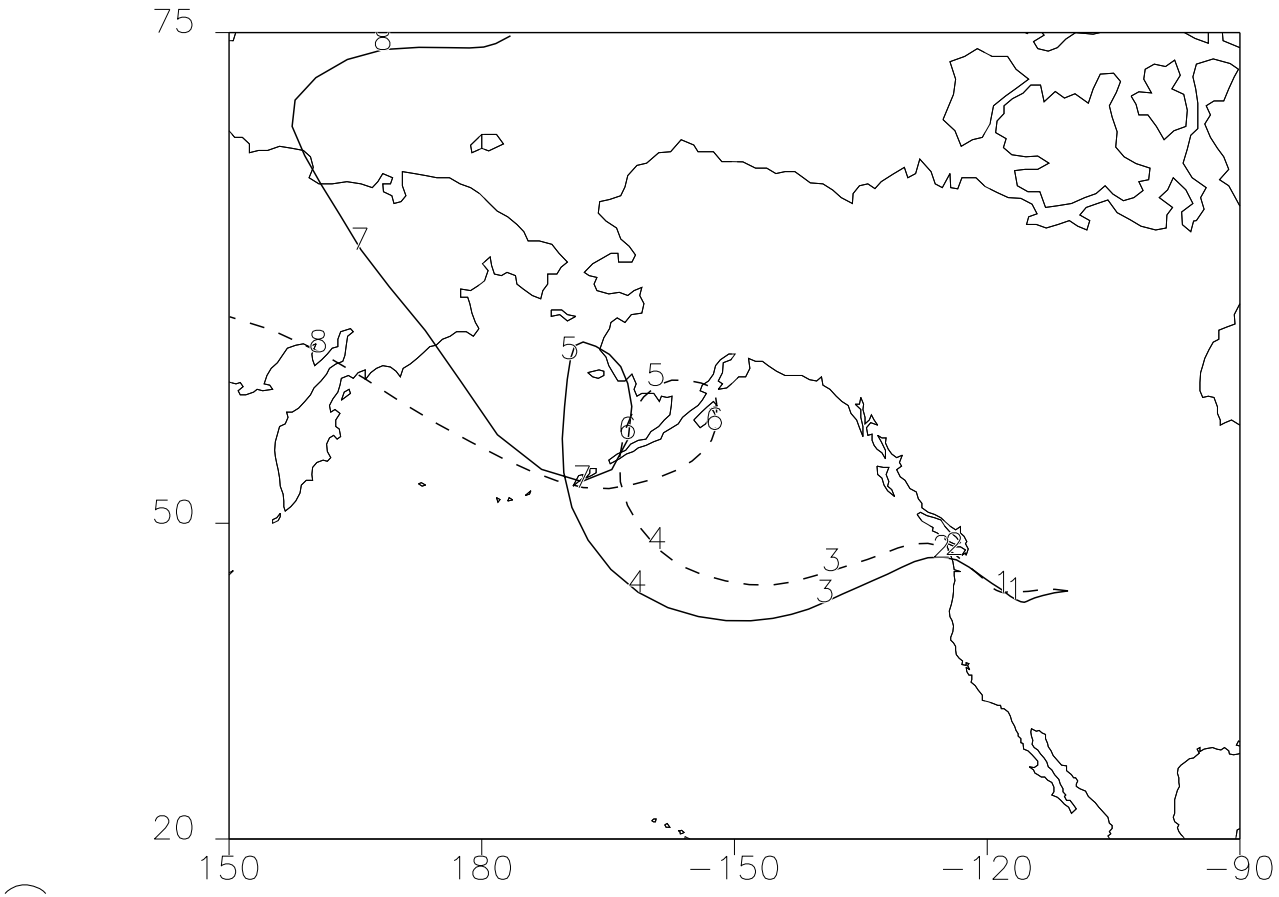
Day	km	hPa	C
0	2.5	751	−2
1	2.7	736	−3
2	2.7	733	−6
3	3.1	696	−7
4	5.2	520	−26
5	6.9	404	−42
6	7.1	389	−45
7	6.9	404	−42
8	7.1	391	−43
9	5.5	497	−27
10	5.7	486	−28

18UT

Day	km	hPa	C
0	2.5	751	2
1	2.5	755	−2
2	2.9	709	−9
3	3.2	691	−10
4	5.5	497	−30
5	7.5	367	−48
6	7.6	354	−49
7	7.9	341	−50
8	8.0	337	−50
9	7.0	393	−43
10	5.6	488	−29

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/2/2006 (Day of Year 122)
NCEP/NCAR Reanalysis 1 Data Set

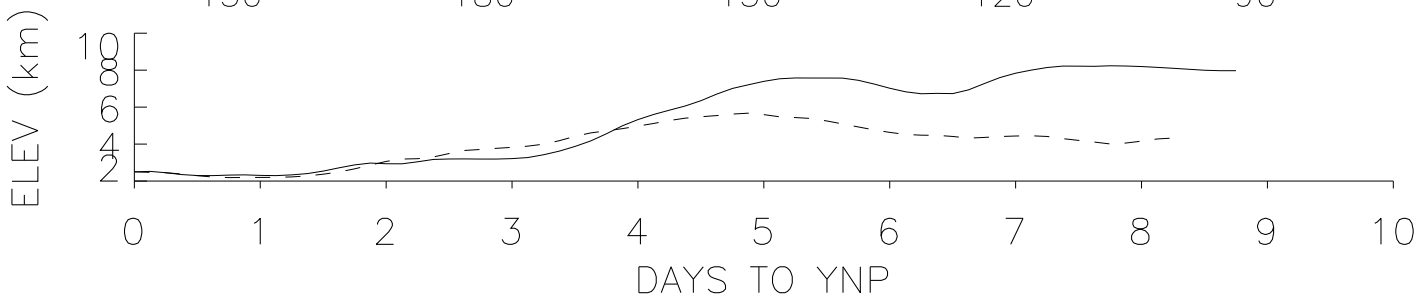


00UT

Day	km	hPa	C
0	2.5	750	4
1	2.3	772	4
2	2.9	711	−9
3	3.2	685	−10
4	5.3	508	−29
5	7.4	368	−48
6	7.0	379	−44
7	7.8	337	−51
8	8.2	317	−52

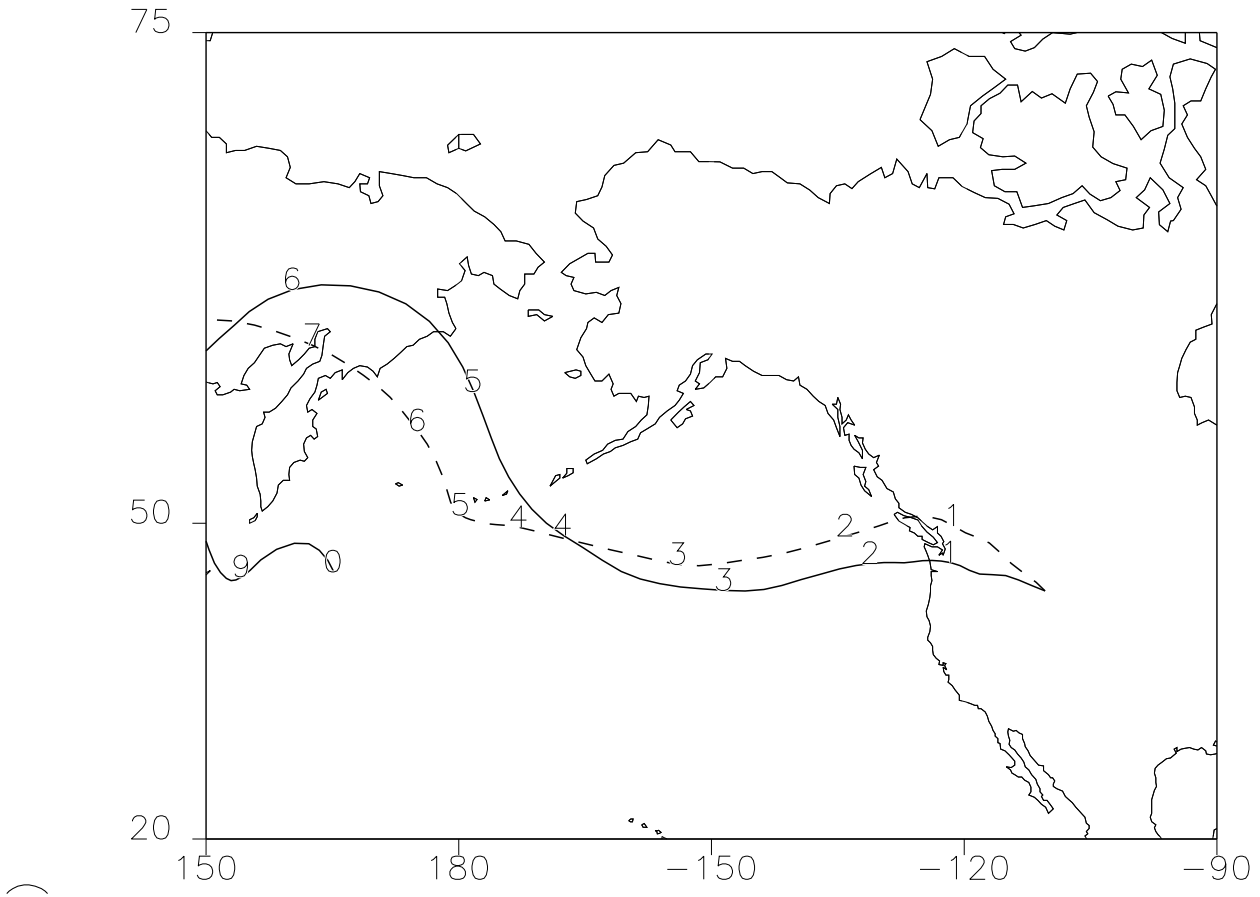
06UT

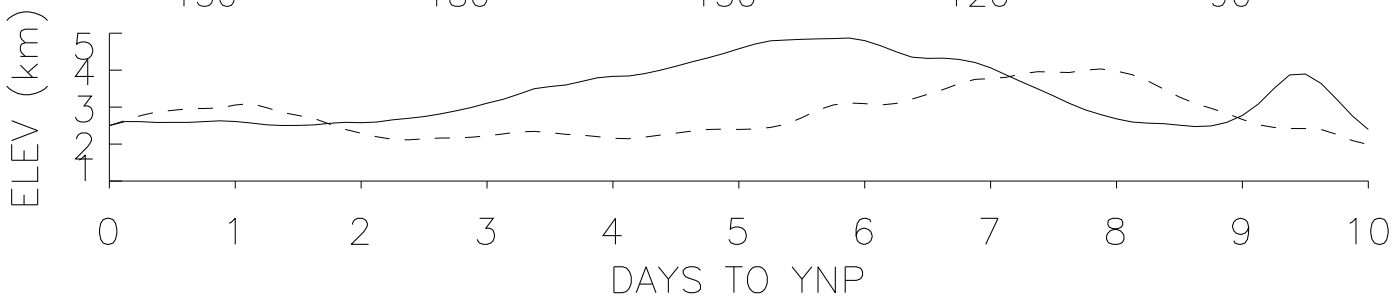
Day	km	hPa	C
0	2.5	749	−1
1	2.2	781	2
2	3.1	699	−8
3	3.8	629	−19
4	5.0	529	−30
5	5.6	477	−34
6	4.6	548	−26
7	4.4	567	−24
8	4.2	590	−22



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/2/2006 (Day of Year 122)
NCEP/NCAR Reanalysis 1 Data Set





12UT

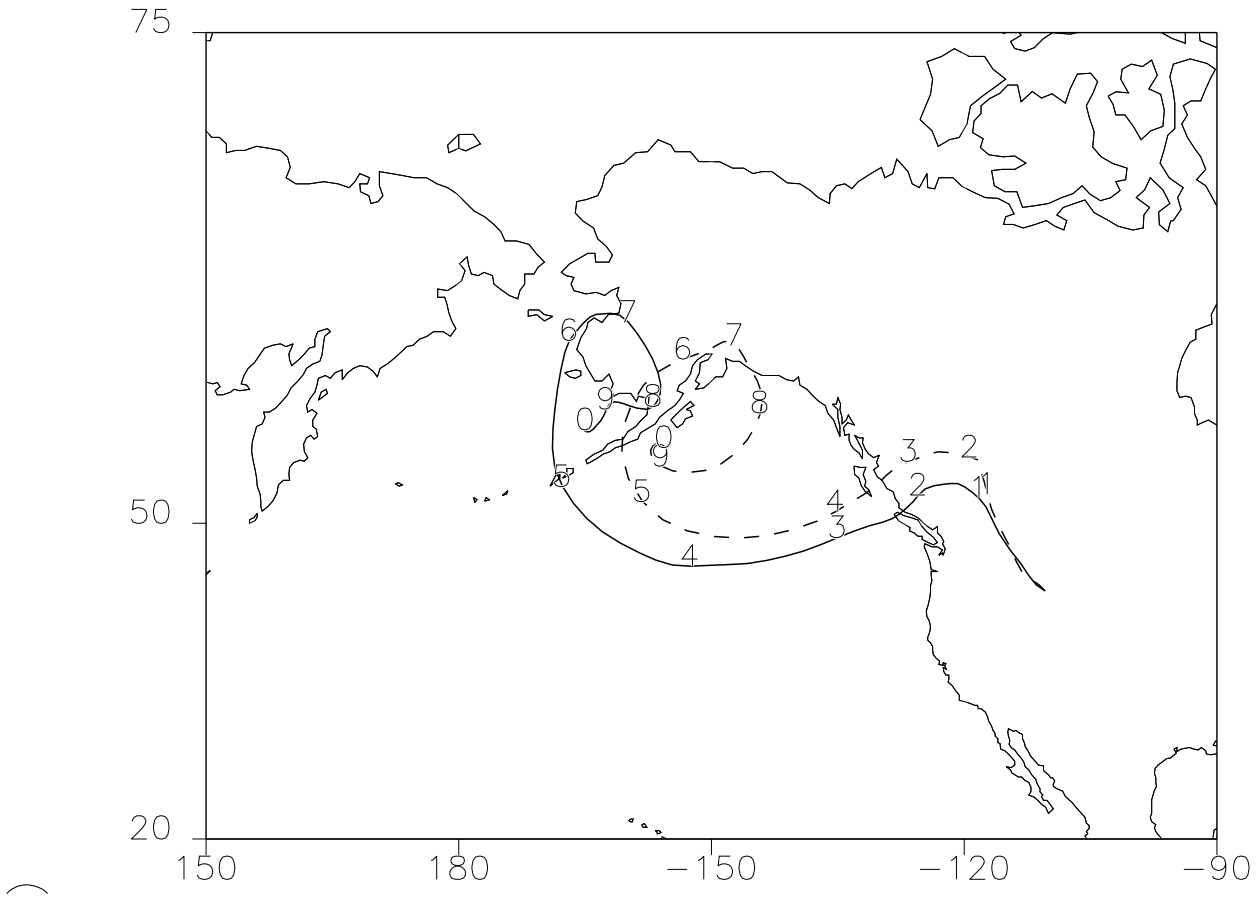
Day	km	hPa	C
0	2.5	749	−2
1	2.6	739	−7
2	2.6	745	−8
3	3.1	696	−11
4	3.8	627	−15
5	4.6	564	−23
6	4.8	546	−23
7	4.1	604	−16
8	2.7	726	−4
9	2.8	717	−2
10	2.4	752	0

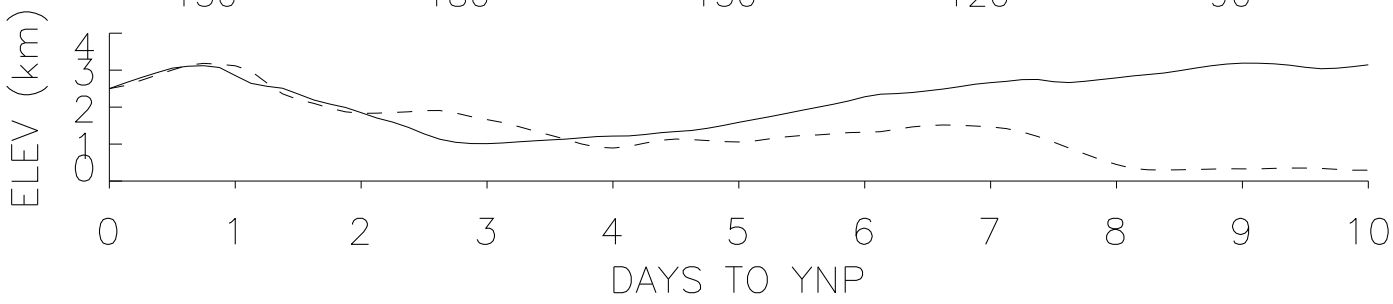
18UT

Day	km	hPa	C
0	2.5	750	−4
1	3.1	695	−14
2	2.3	770	−9
3	2.2	775	−9
4	2.2	783	−6
5	2.4	758	−7
6	3.1	693	−10
7	3.8	627	−19
8	4.0	606	−20
9	2.7	723	−9
10	2.0	789	−4

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/3/2006 (Day of Year 123)
NCEP/NCAR Reanalysis 1 Data Set





00UT

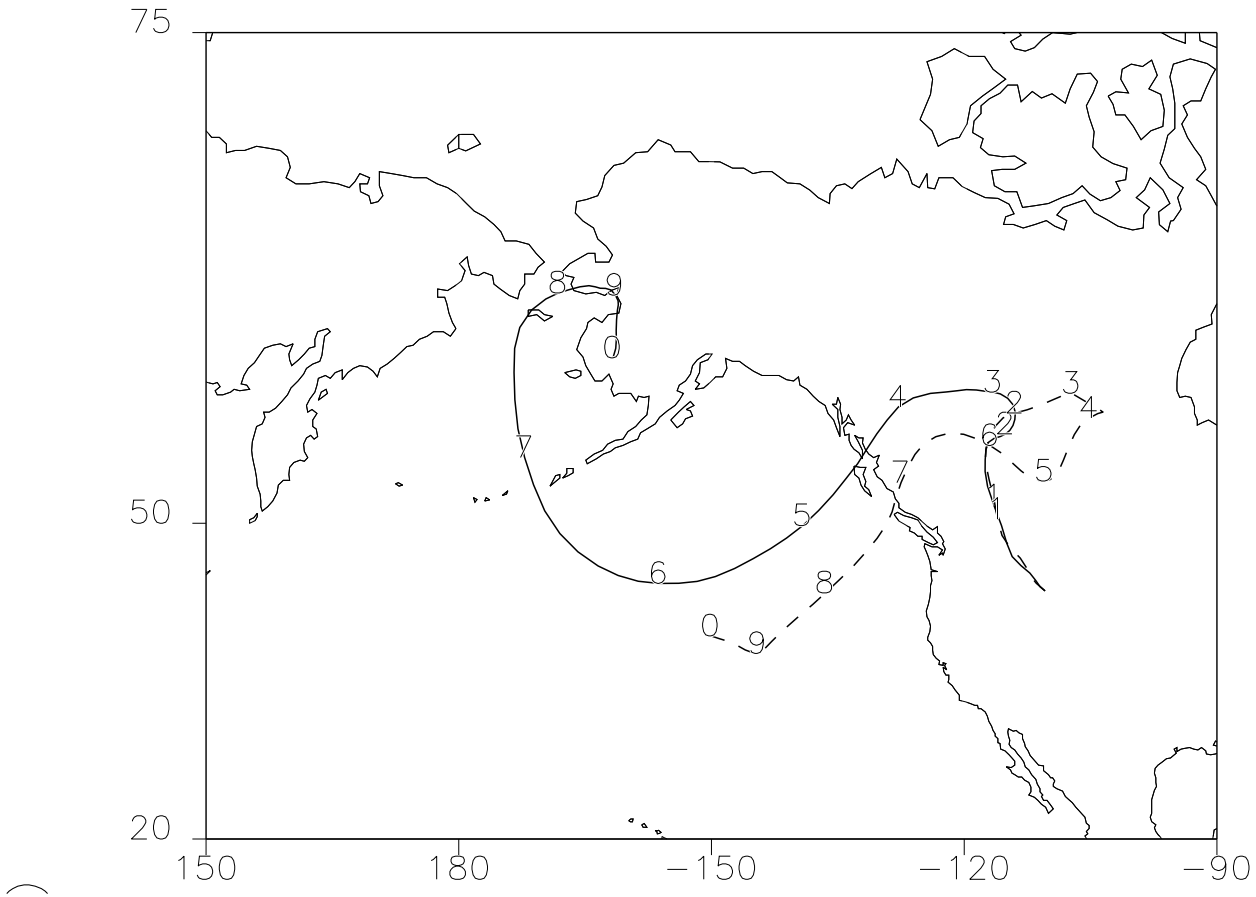
Day	km	hPa	C
0	2.5	752	−1
1	2.9	712	−11
2	1.8	815	−3
3	1.0	906	0
4	1.2	880	−5
5	1.6	833	−9
6	2.3	758	−14
7	2.7	714	−19
8	2.8	701	−18
9	3.2	668	−22
10	3.1	669	−19

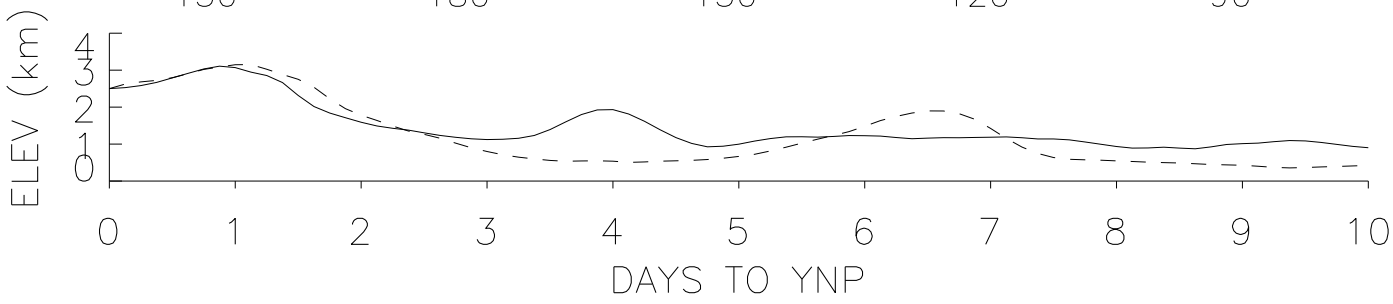
06UT

Day	km	hPa	C
0	2.5	753	−3
1	3.1	689	−13
2	1.8	813	−2
3	1.7	833	−5
4	0.9	913	−2
5	1.1	880	−4
6	1.3	853	−7
7	1.5	841	−7
8	0.4	958	0
9	0.3	967	1
10	0.3	971	2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/3/2006 (Day of Year 123)
NCEP/NCAR Reanalysis 1 Data Set





12UT

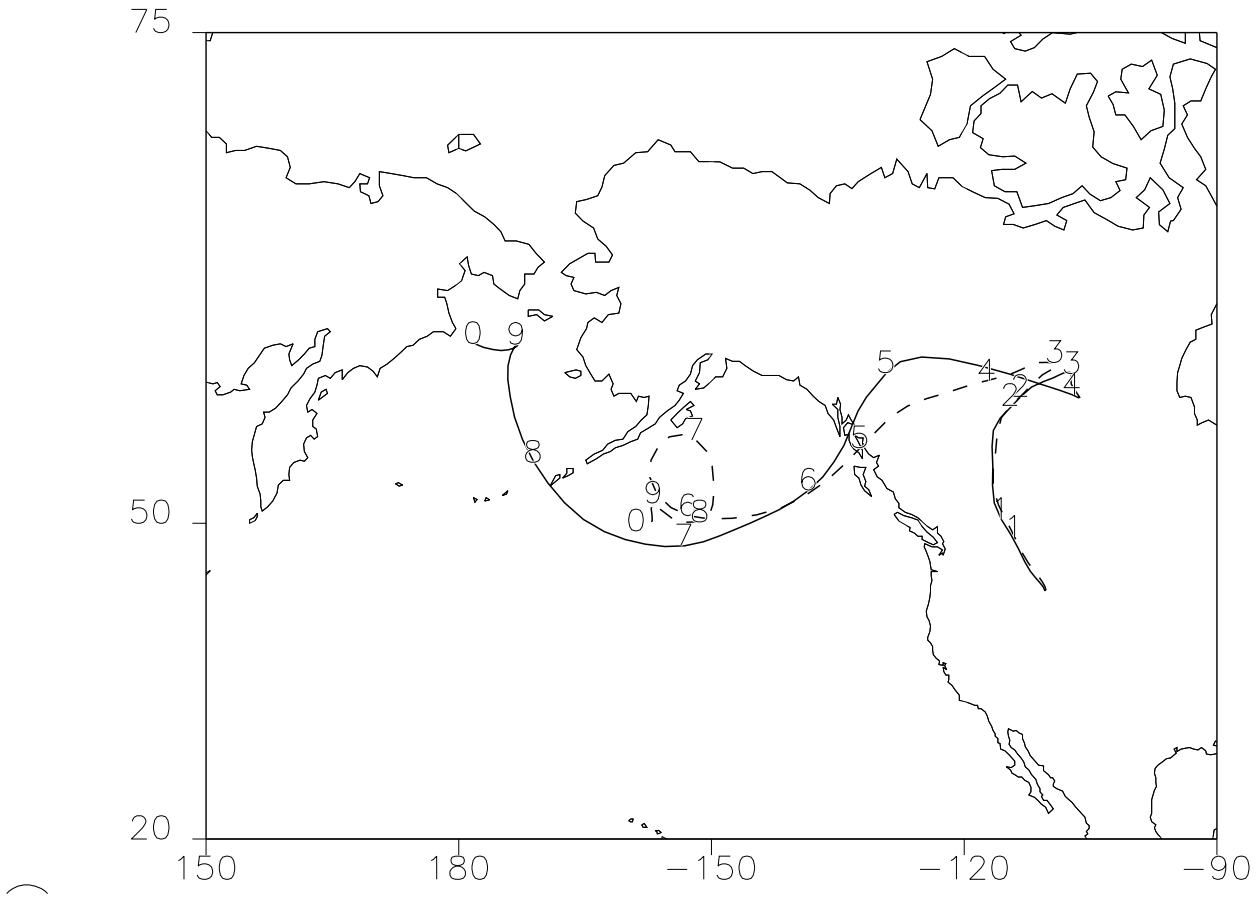
Day	km	hPa	C
0	2.5	752	−4
1	3.1	695	−13
2	1.6	836	2
3	1.1	885	2
4	1.9	798	−9
5	1.0	892	−2
6	1.2	867	−5
7	1.2	873	−13
8	0.9	893	−11
9	1.0	888	−9
10	0.9	902	−6

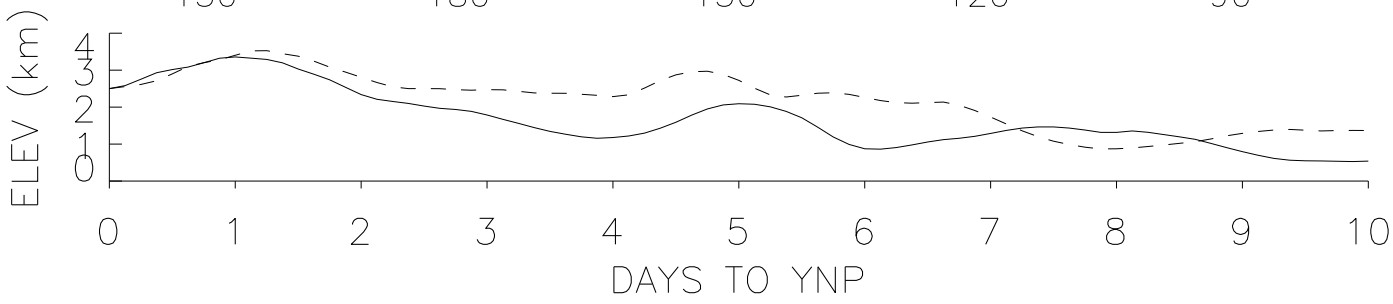
18UT

Day	km	hPa	C
0	2.5	753	−3
1	3.1	690	−14
2	1.8	817	0
3	0.8	923	8
4	0.5	949	12
5	0.7	941	12
6	1.5	848	2
7	1.4	847	−2
8	0.5	955	6
9	0.4	979	5
10	0.4	971	5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/4/2006 (Day of Year 124)
NCEP/NCAR Reanalysis 1 Data Set





00UT

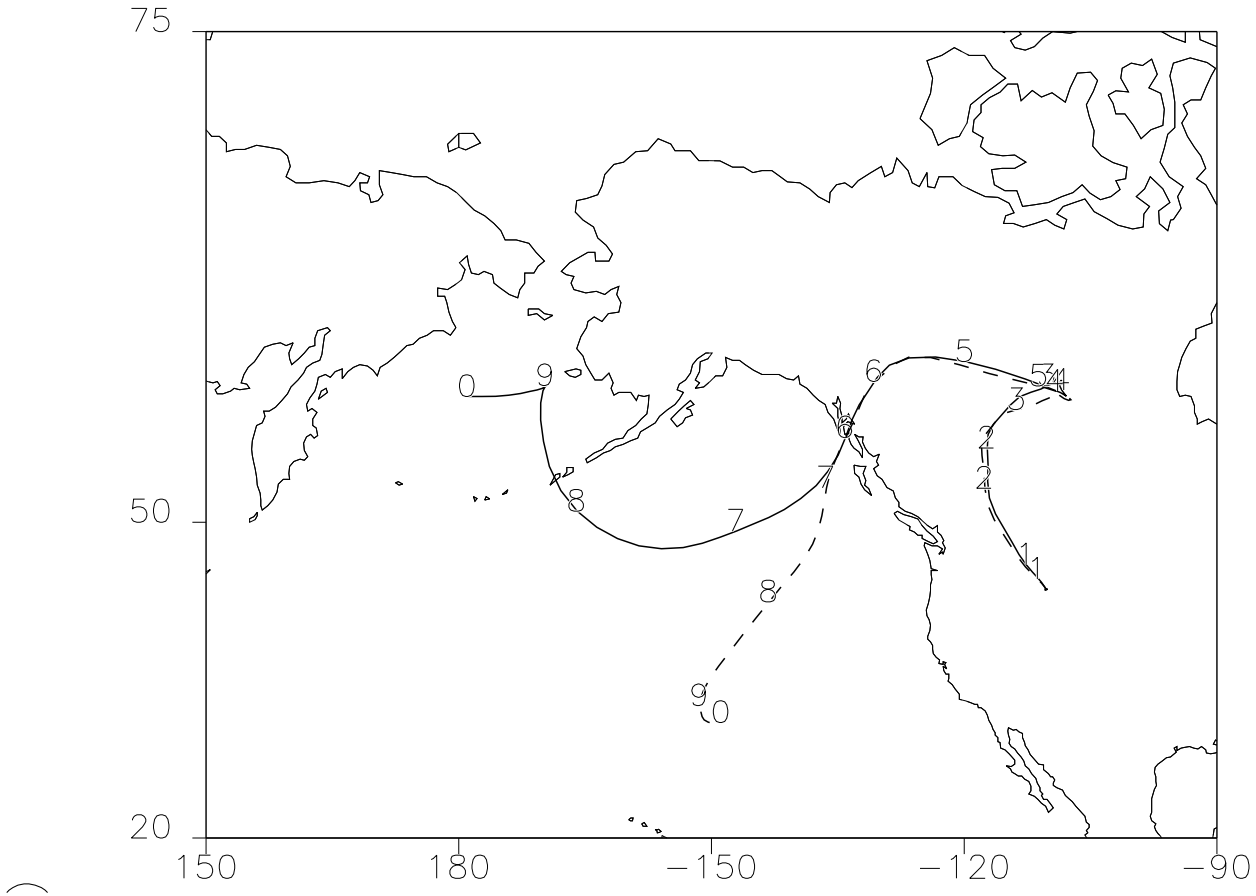
Day	km	hPa	C
0	2.5	752	−1
1	3.4	673	−13
2	2.3	762	−5
3	1.8	818	2
4	1.2	880	7
5	2.1	774	−7
6	0.9	901	0
7	1.3	853	−6
8	1.3	850	−16
9	0.8	906	−13
10	0.5	947	−8

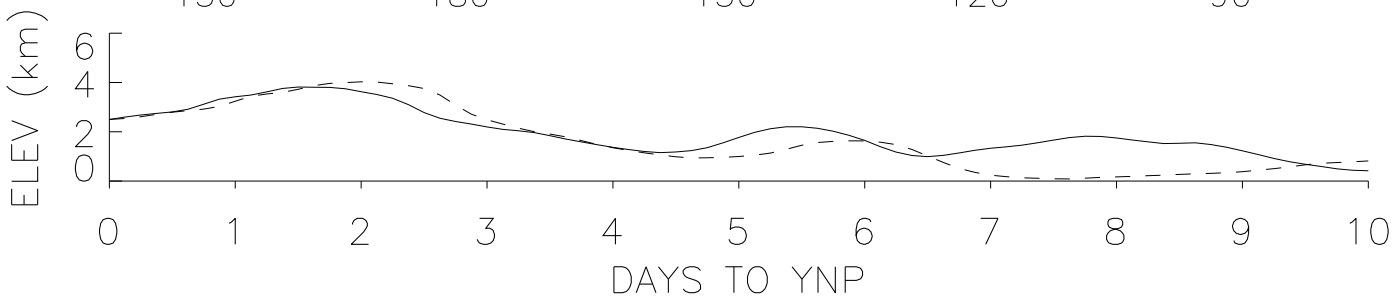
06UT

Day	km	hPa	C
0	2.5	753	−4
1	3.4	669	−12
2	2.8	718	−9
3	2.5	751	−6
4	2.3	766	−6
5	2.7	716	−16
6	2.3	749	−12
7	1.7	800	−10
8	0.9	905	−4
9	1.3	857	−7
10	1.4	855	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/4/2006 (Day of Year 124)
NCEP/NCAR Reanalysis 1 Data Set





12UT

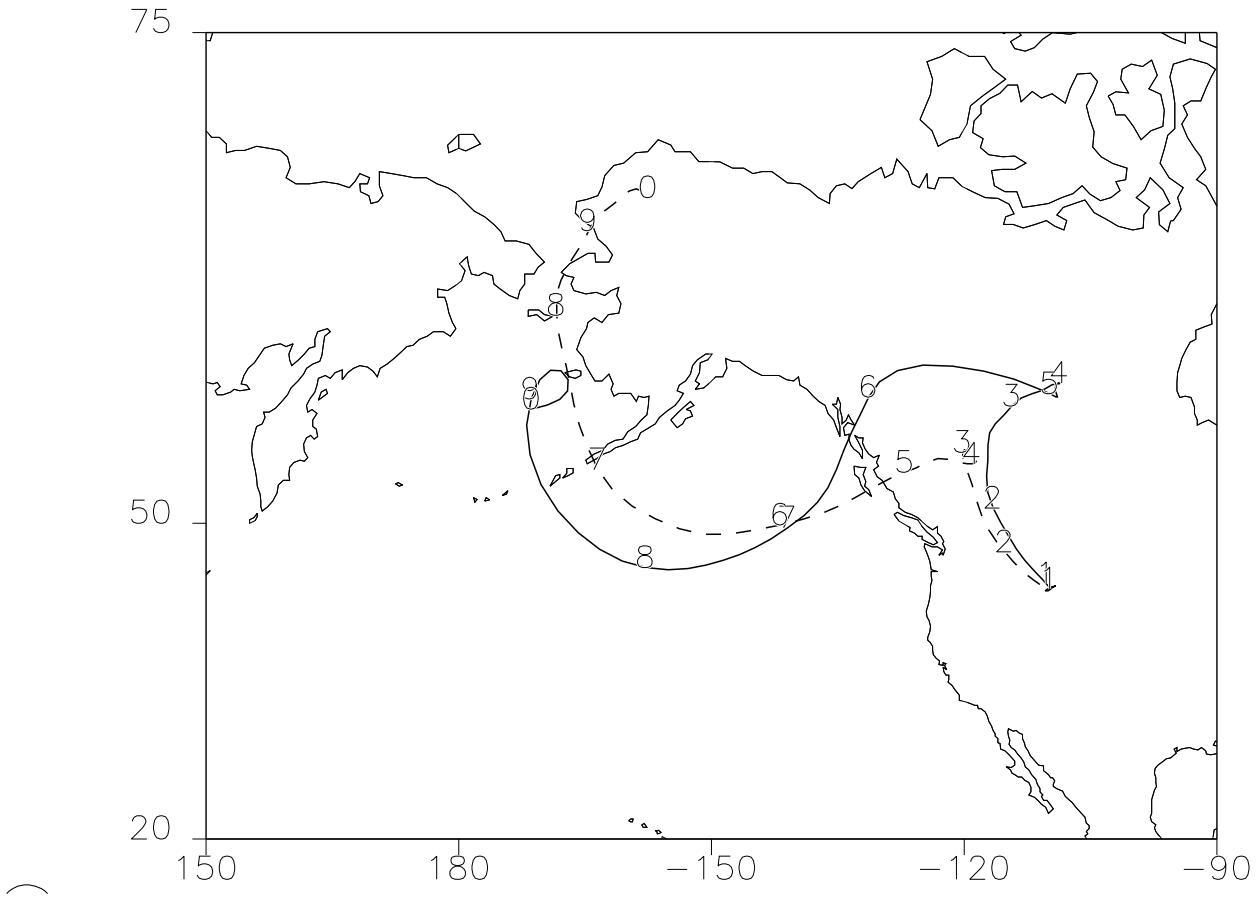
Day	km	hPa	C
0	2.5	751	−5
1	3.4	668	−11
2	3.6	646	−16
3	2.2	776	−3
4	1.4	859	4
5	1.8	807	−5
6	1.6	821	−6
7	1.3	849	−5
8	1.7	805	−14
9	1.2	853	−16
10	0.4	960	−5

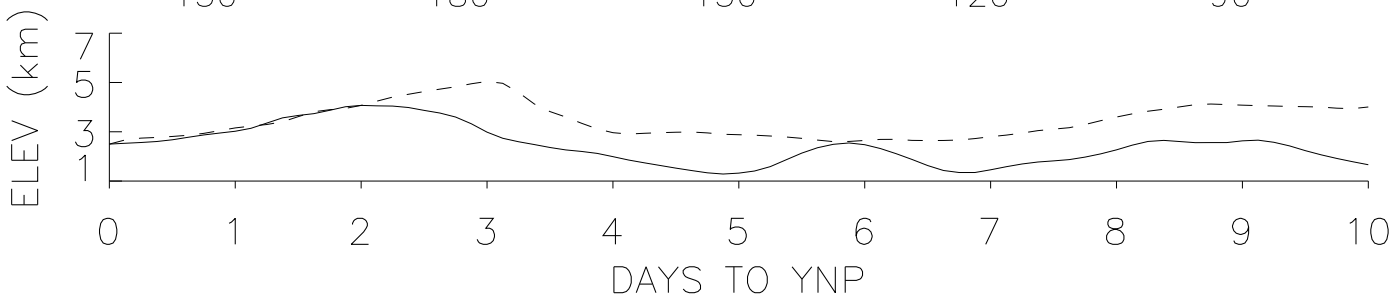
18UT

Day	km	hPa	C
0	2.5	752	−2
1	3.2	685	−9
2	4.0	614	−18
3	2.5	747	−6
4	1.4	862	4
5	1.0	895	4
6	1.6	821	−5
7	0.2	974	6
8	0.2	994	10
9	0.4	984	13
10	0.8	934	8

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/5/2006 (Day of Year 125)
NCEP/NCAR Reanalysis 1 Data Set





00UT

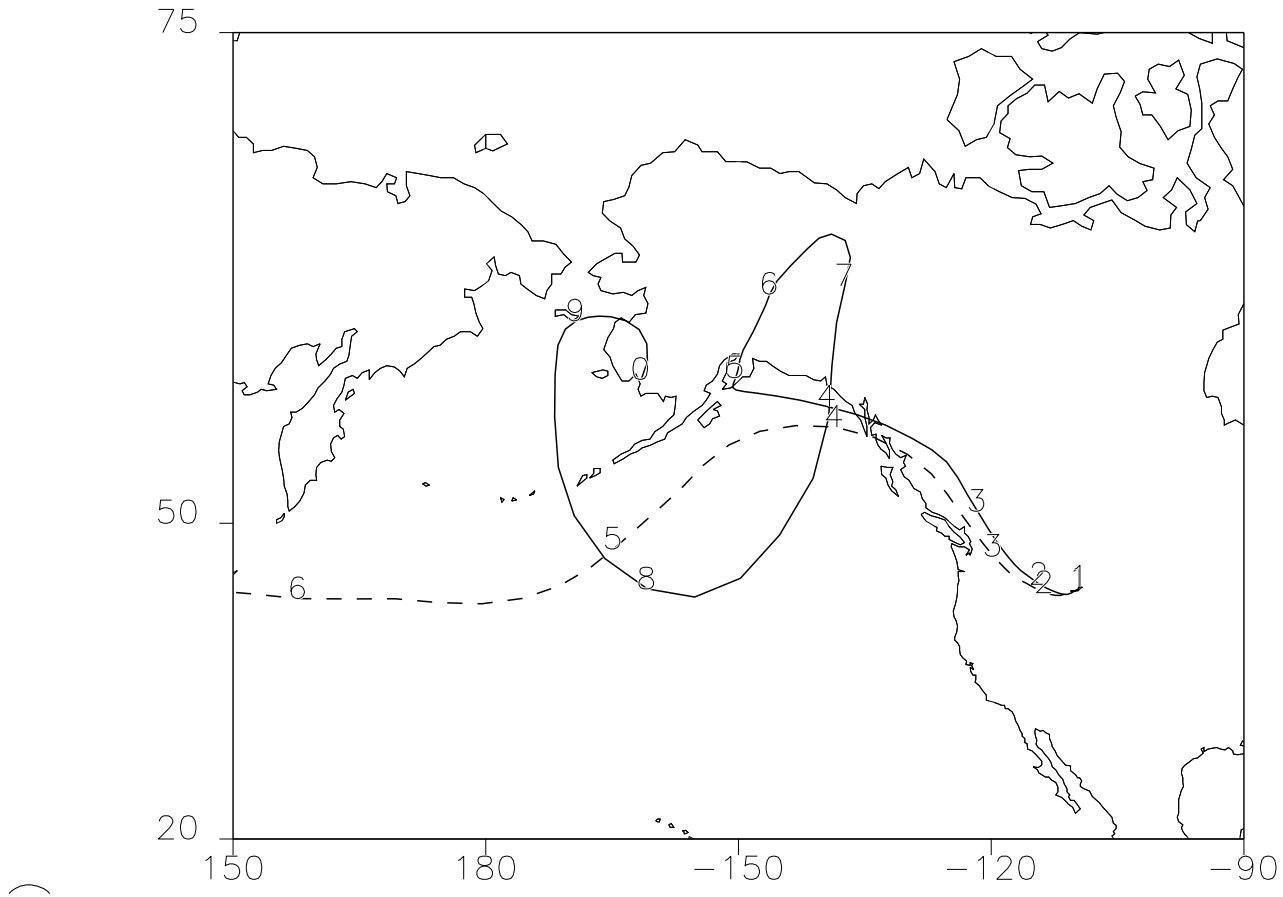
Day	km	hPa	C
0	2.5	752	−1
1	3.0	704	−7
2	4.1	613	−17
3	3.0	701	−10
4	2.0	797	0
5	1.3	865	5
6	2.5	738	−12
7	1.5	841	−4
8	2.3	755	−15
9	2.6	713	−21
10	1.7	812	−13

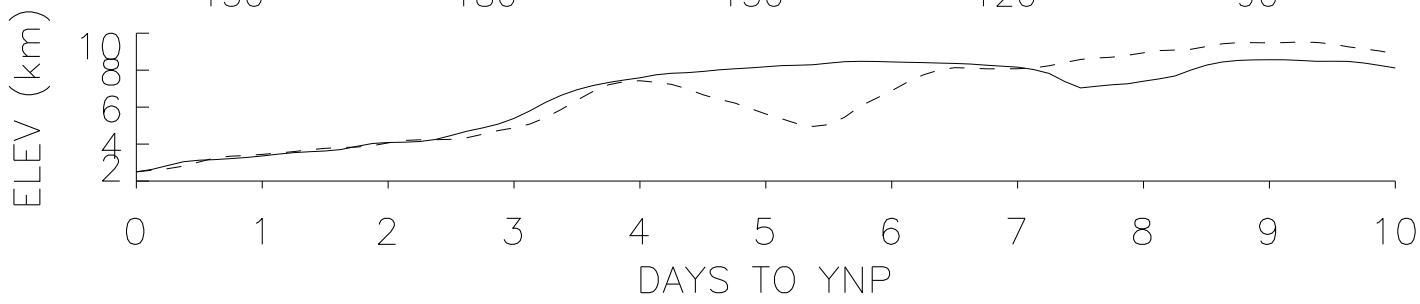
06UT

Day	km	hPa	C
0	2.5	752	−2
1	3.2	693	−7
2	4.1	615	−15
3	5.0	534	−26
4	3.0	704	−10
5	2.9	712	−14
6	2.6	727	−15
7	2.8	706	−15
8	3.6	637	−22
9	4.1	593	−26
10	4.0	598	−25

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO YNP(44.56N, 110.40W)
5/5/2006 (Day of Year 125)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	2.5	751	−1
1	3.4	674	−9
2	4.1	614	−13
3	5.4	512	−26
4	7.6	359	−48
5	8.2	325	−54
6	8.4	310	−56
7	8.2	326	−49
8	7.4	369	−44
9	8.6	304	−54
10	8.1	321	−51

18UT

Day	km	hPa	C
0	2.5	752	3
1	3.4	667	−8
2	4.1	616	−12
3	4.9	552	−19
4	7.4	375	−44
5	5.6	488	−26
6	6.9	408	−36
7	8.1	340	−49
8	8.9	299	−57
9	9.5	276	−61
10	8.9	304	−55

12UT − solid
18UT − dashed