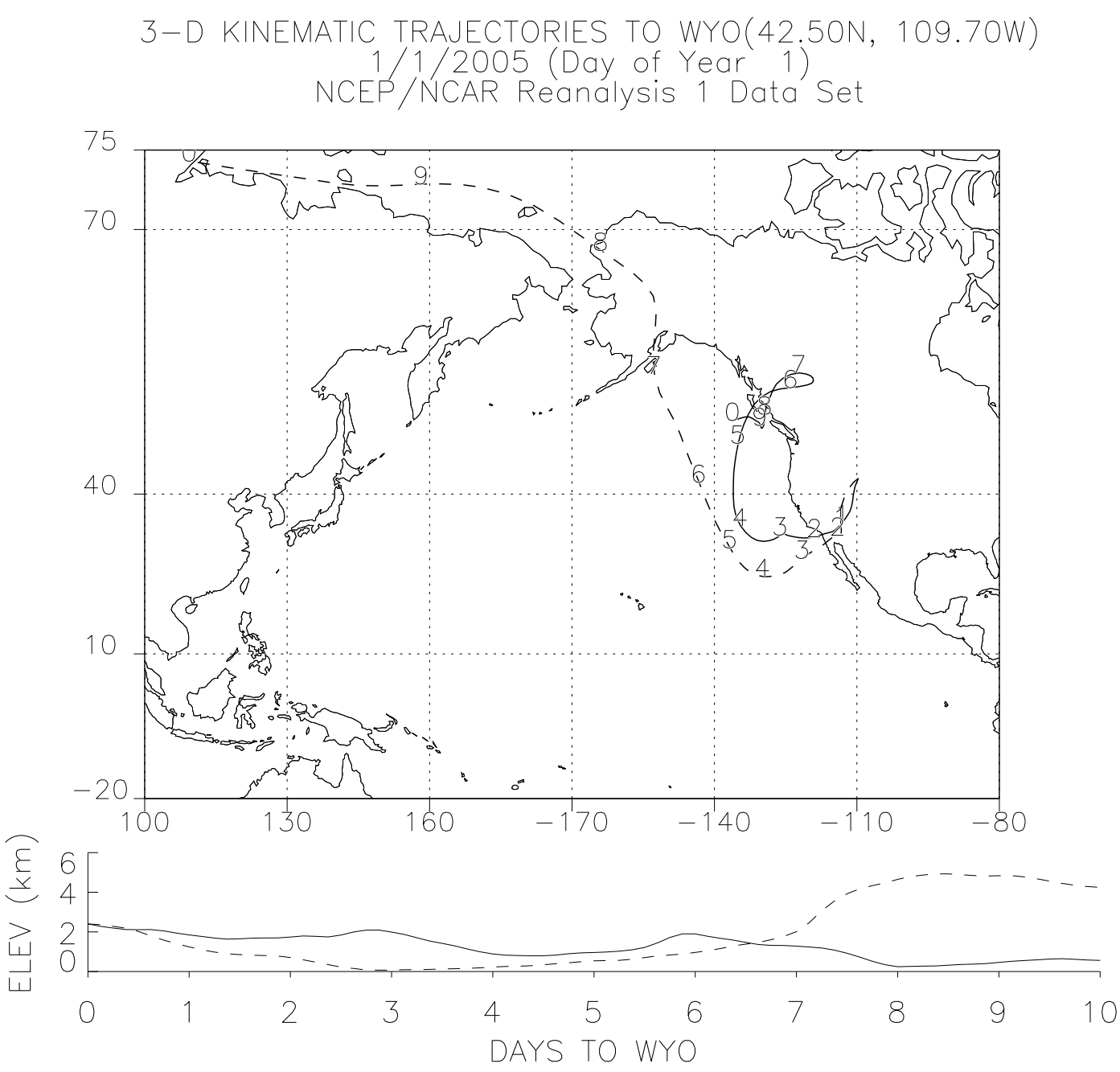


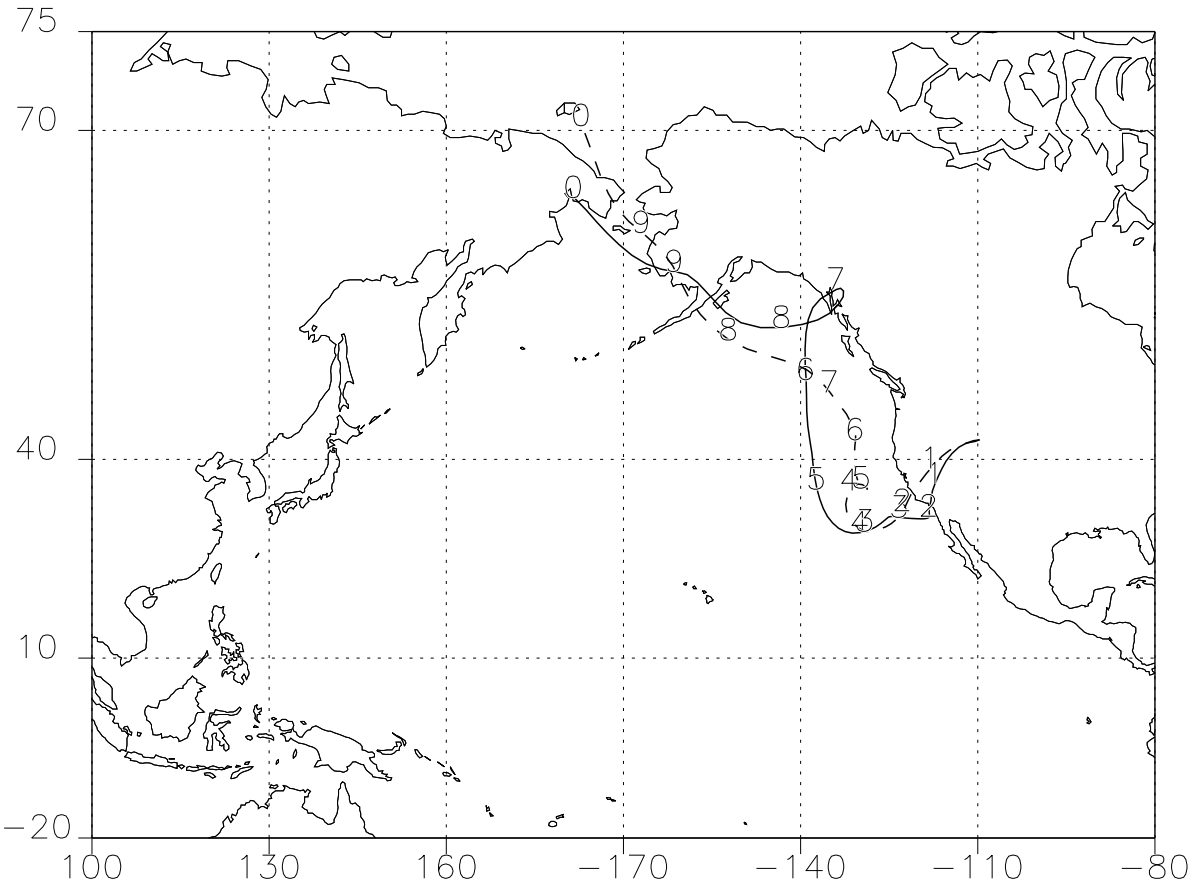
00UT

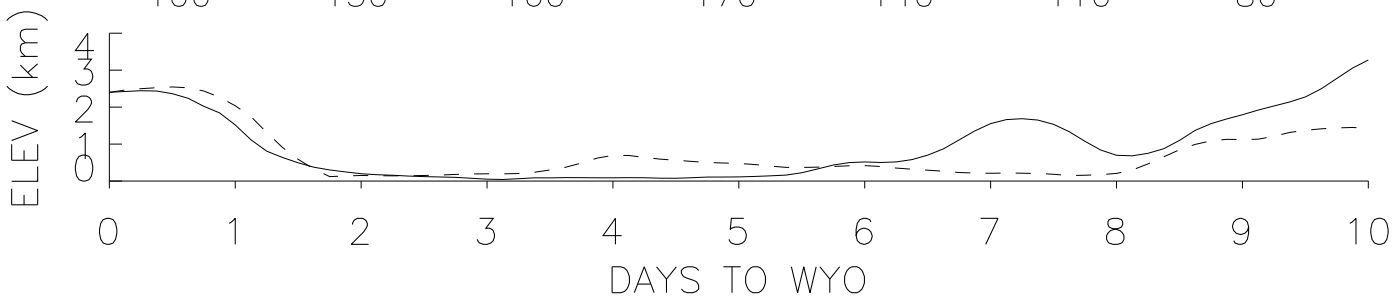
Day	km	hPa	C
0	2.4	750	−2
1	1.8	814	4
2	1.7	820	2
3	2.0	784	−1
4	0.9	902	6
5	1.0	901	1
6	1.9	796	−10
7	1.3	861	2
8	0.2	999	6
9	0.5	979	7
10	0.6	961	9

06UT

Day	km	hPa	C
0	2.4	750	−5
1	1.2	877	7
2	0.7	936	10
3	0.1	1000	18
4	0.2	986	17
5	0.5	954	9
6	1.0	913	3
7	2.0	792	−8
8	4.7	531	−37
9	4.8	514	−38
10	4.2	567	−32

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/1/2005 (Day of Year 1)
NCEP/NCAR Reanalysis 1 Data Set





12UT

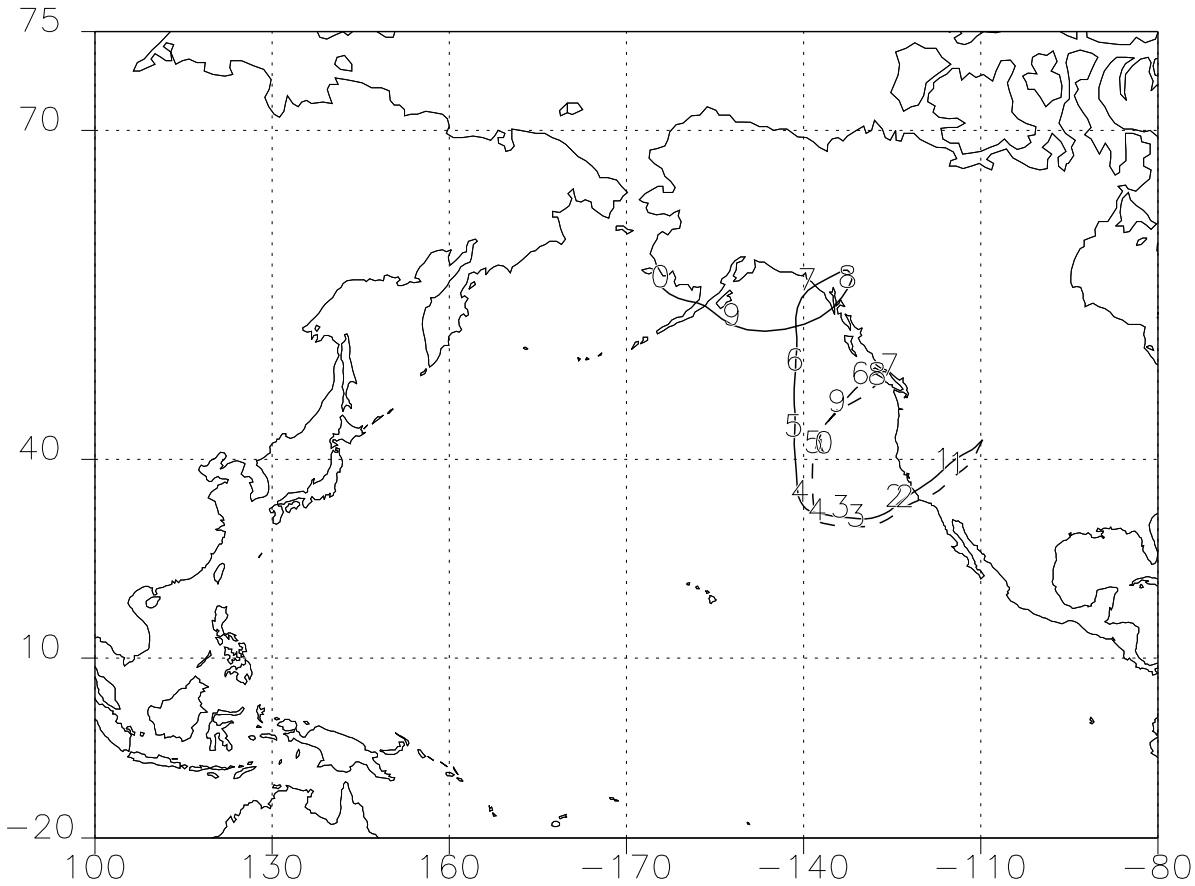
Day	km	hPa	C
0	2.4	752	−7
1	1.5	839	3
2	0.2	996	12
3	0.1	1000	14
4	0.1	995	14
5	0.1	1000	11
6	0.5	958	2
7	1.6	832	−13
8	0.7	922	−3
9	1.8	790	−22
10	3.3	646	−31

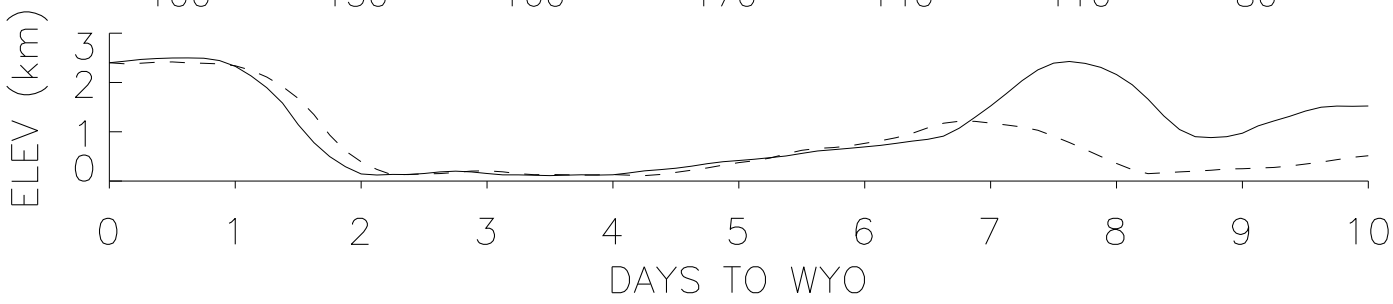
18UT

Day	km	hPa	C
0	2.4	754	−8
1	2.0	785	−2
2	0.1	1000	14
3	0.2	991	13
4	0.7	924	5
5	0.5	947	7
6	0.4	956	4
7	0.2	983	2
8	0.2	997	−3
9	1.1	871	−23
10	1.4	830	−31

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/2/2005 (Day of Year 2)
NCEP/NCAR Reanalysis 1 Data Set





00UT

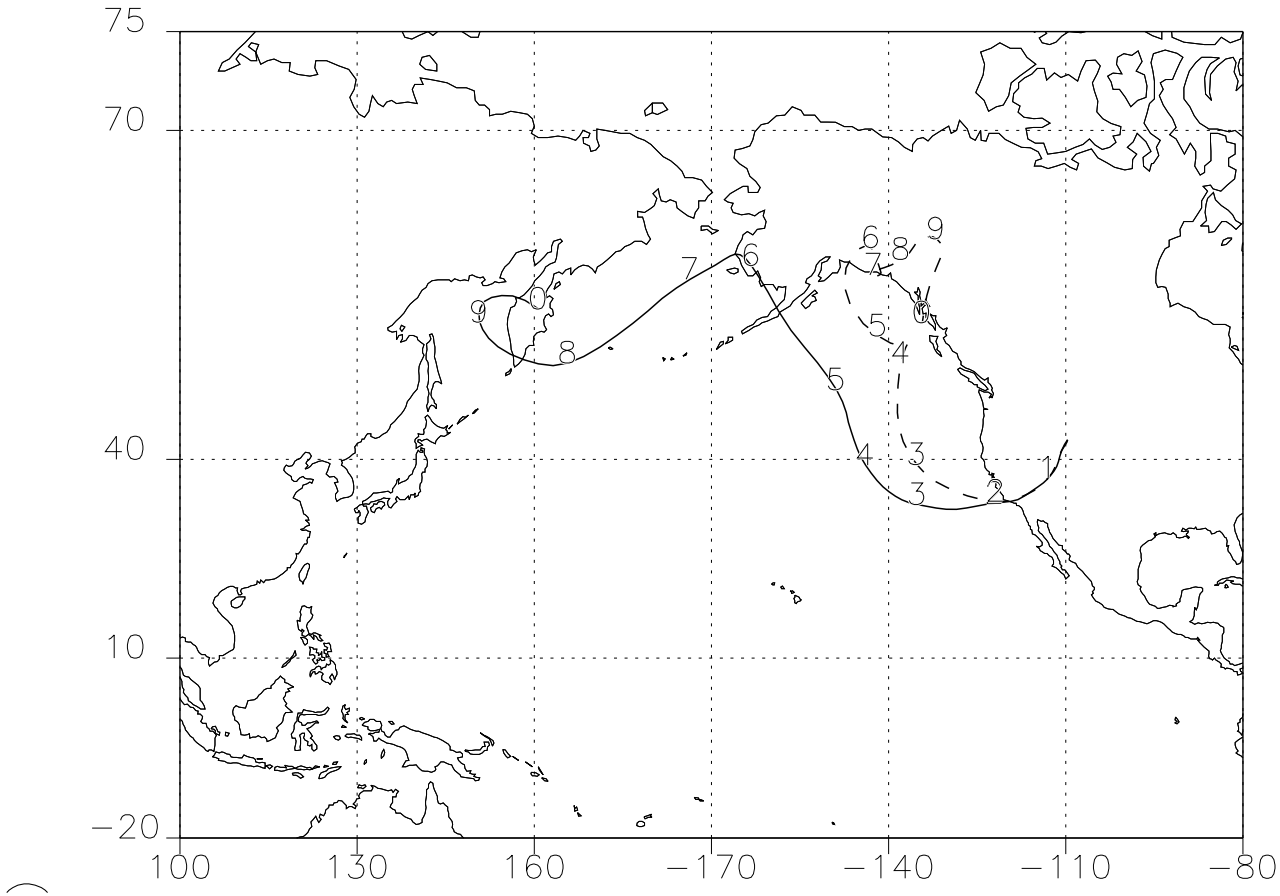
Day	km	hPa	C
0	2.4	756	−6
1	2.3	758	−4
2	0.1	996	13
3	0.2	995	14
4	0.1	999	13
5	0.4	971	5
6	0.7	941	1
7	1.5	844	−7
8	2.2	764	−10
9	1.0	886	−7
10	1.5	817	−15

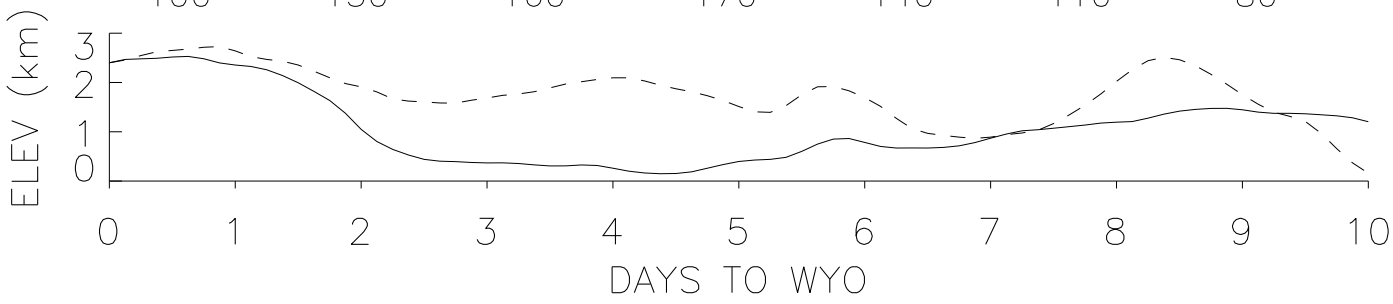
06UT

Day	km	hPa	C
0	2.4	757	−7
1	2.3	760	−5
2	0.4	968	13
3	0.2	992	14
4	0.1	1000	14
5	0.4	971	7
6	0.8	924	3
7	1.2	865	−1
8	0.4	970	7
9	0.2	1000	10
10	0.5	974	9

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/2/2005 (Day of Year 2)
NCEP/NCAR Reanalysis 1 Data Set





12UT

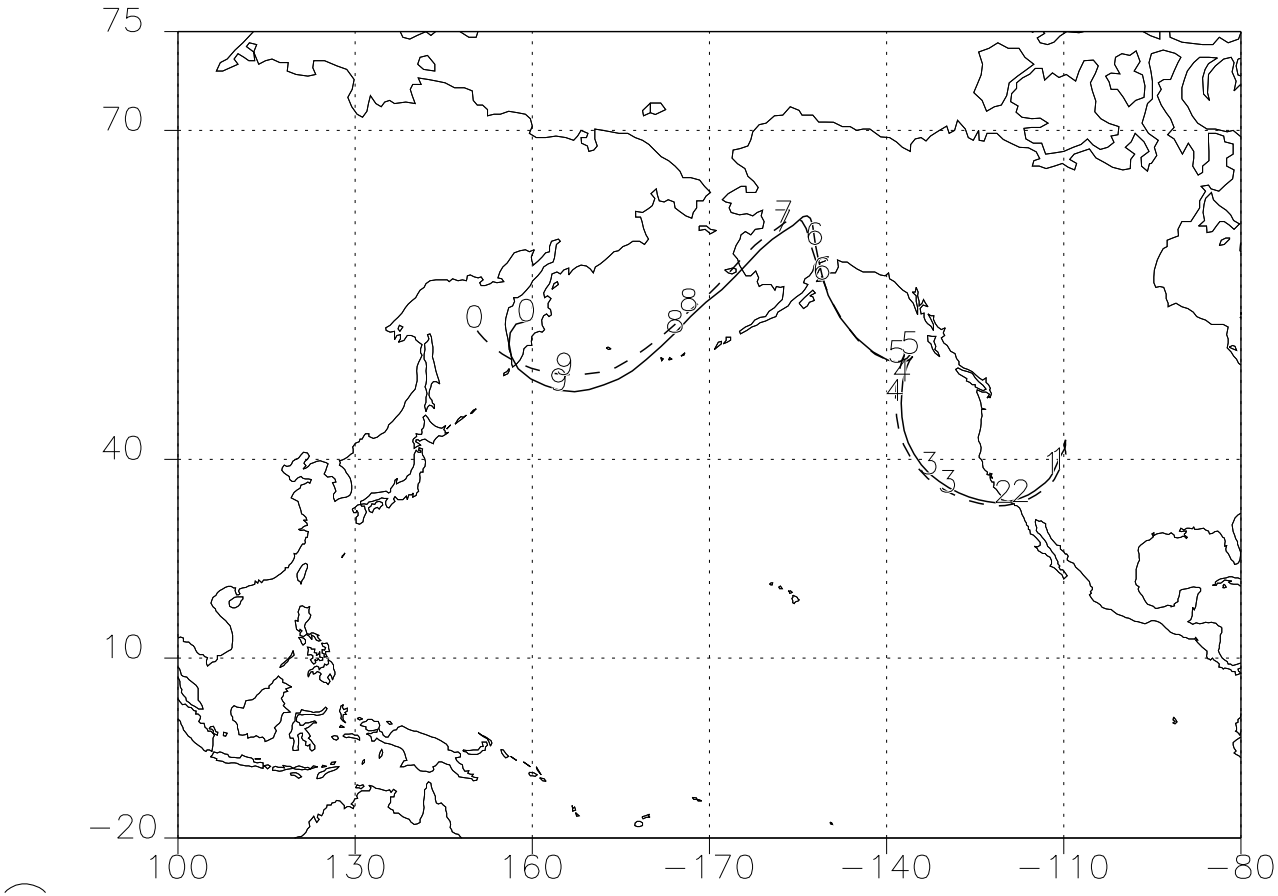
Day	km	hPa	C
0	2.4	758	−8
1	2.4	760	−4
2	1.0	891	6
3	0.4	970	11
4	0.3	983	7
5	0.4	973	1
6	0.8	918	−6
7	0.9	908	−5
8	1.2	858	−10
9	1.4	824	−12
10	1.2	861	−8

18UT

Day	km	hPa	C
0	2.4	760	−7
1	2.6	734	−5
2	1.9	804	0
3	1.7	818	−3
4	2.1	768	−9
5	1.5	821	−7
6	1.7	807	−11
7	0.9	915	−2
8	2.0	790	−15
9	1.8	803	−8
10	0.2	1000	5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/3/2005 (Day of Year 3)
NCEP/NCAR Reanalysis 1 Data Set

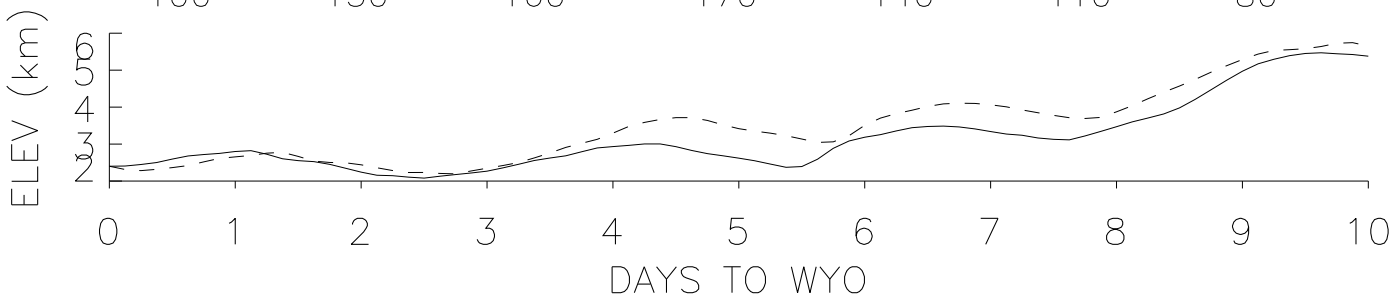


00UT

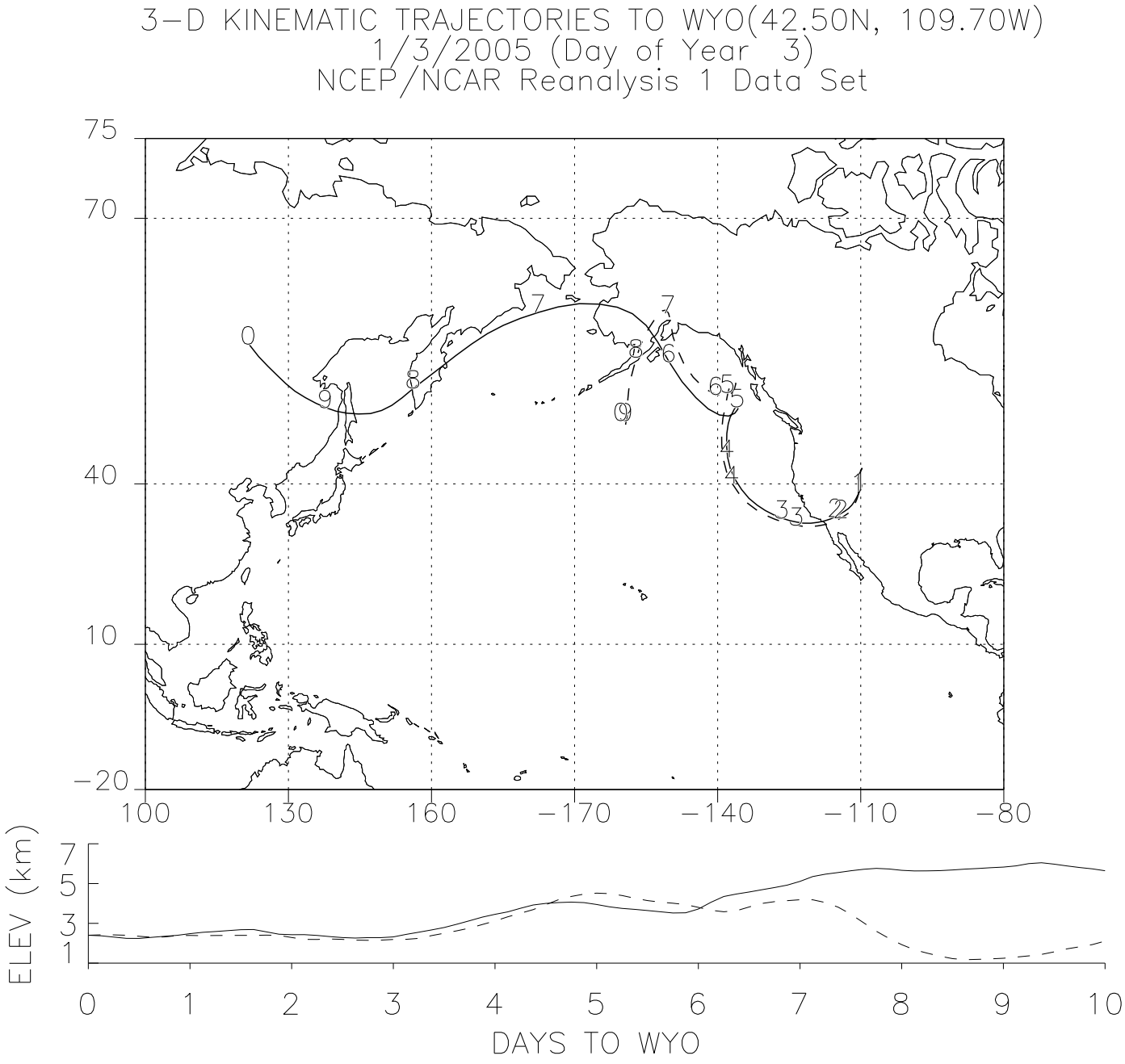
Day	km	hPa	C
0	2.4	758	−4
1	2.8	719	−5
2	2.2	771	−2
3	2.3	760	−5
4	2.9	689	−13
5	2.6	714	−16
6	3.2	664	−21
7	3.3	659	−20
8	3.5	648	−20
9	5.0	513	−38
10	5.4	479	−40

06UT

Day	km	hPa	C
0	2.4	759	−6
1	2.7	734	−3
2	2.4	753	−2
3	2.3	758	−5
4	3.3	659	−18
5	3.4	641	−21
6	3.5	636	−21
7	4.1	593	−26
8	3.9	615	−21
9	5.3	491	−37
10	5.7	462	−41



00UT − solid
06UT − dashed



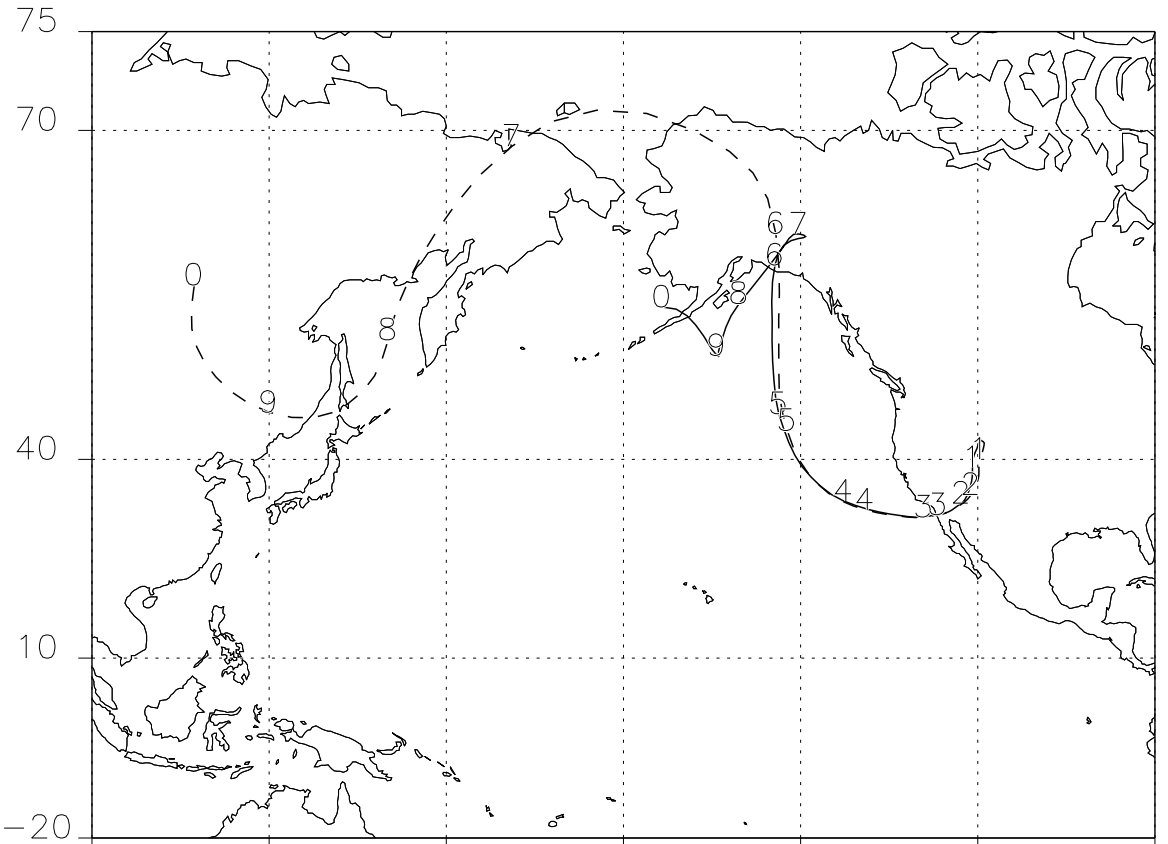
12UT

Day	km	hPa	C
0	2.4	758	-6
1	2.5	751	-5
2	2.4	754	-2
3	2.3	762	-2
4	3.5	648	-16
5	3.9	598	-24
6	3.7	619	-20
7	5.1	508	-37
8	5.7	461	-42
9	5.8	450	-44
10	5.6	473	-40

18UT

Day	km	hPa	C
0	2.4	759	-6
1	2.4	760	-3
2	2.3	770	0
3	2.2	778	0
4	3.1	682	-11
5	4.5	556	-29
6	3.8	609	-22
7	4.2	579	-26
8	1.9	801	-4
9	1.2	887	1
10	2.1	796	-6

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/4/2005 (Day of Year 4)
NCEP/NCAR Reanalysis 1 Data Set

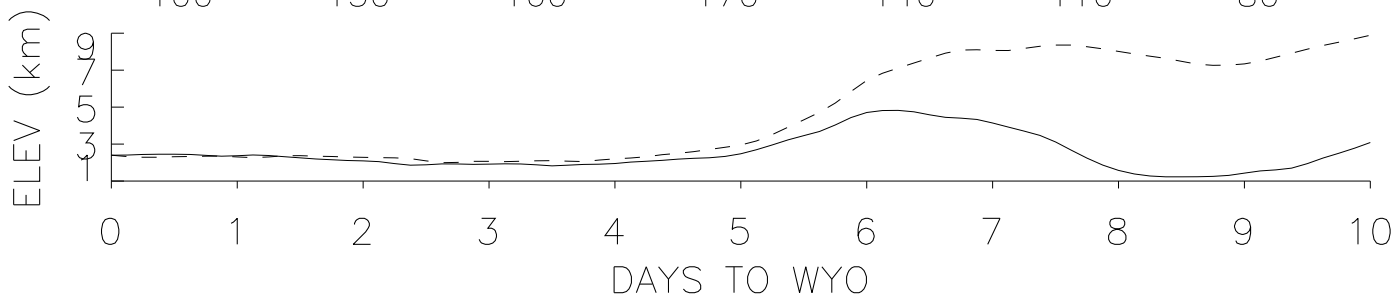


00UT

Day	km	hPa	C
0	2.4	758	−4
1	2.4	761	−2
2	2.1	788	3
3	1.9	805	3
4	1.9	798	0
5	2.5	740	−4
6	4.7	538	−31
7	4.1	581	−27
8	1.6	837	0
9	1.4	867	5
10	3.1	697	−12

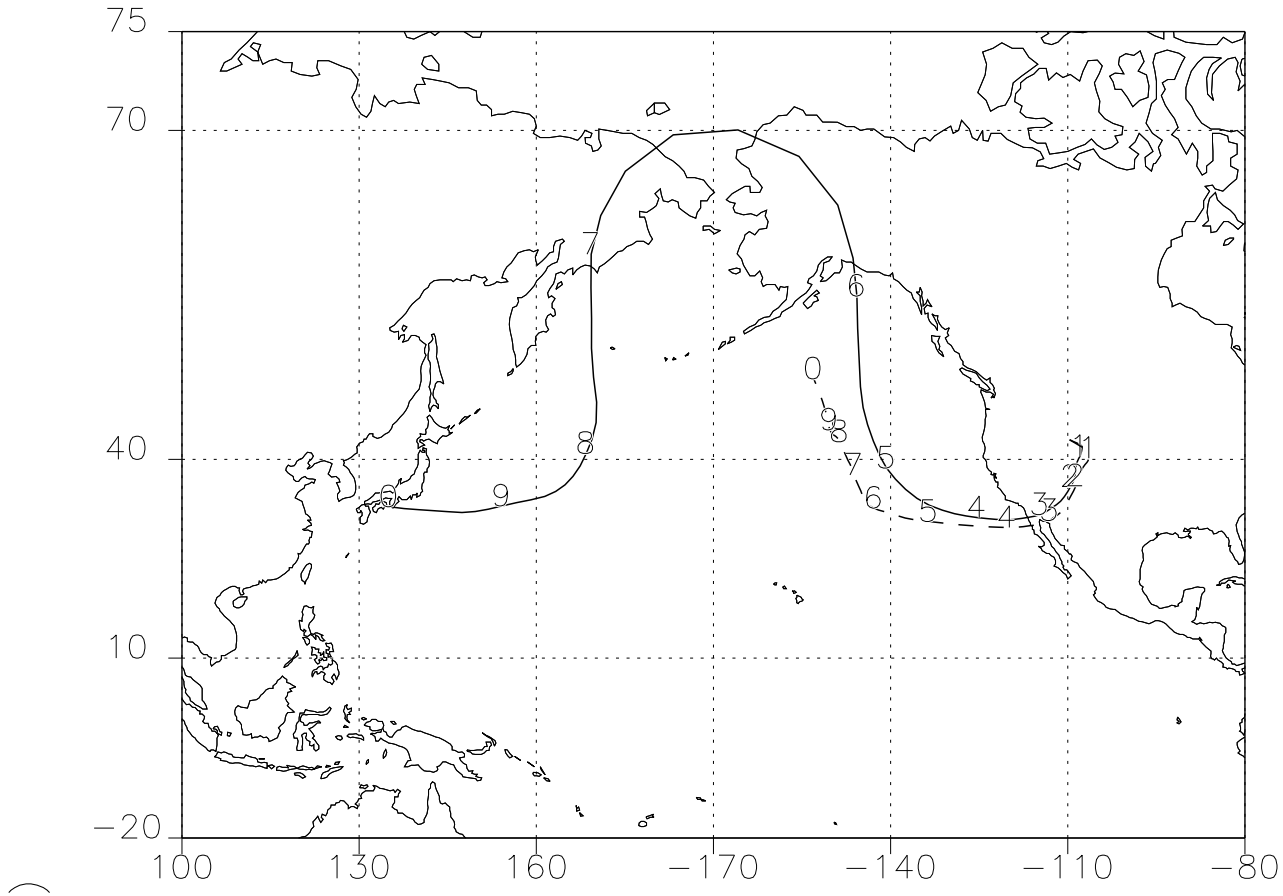
06UT

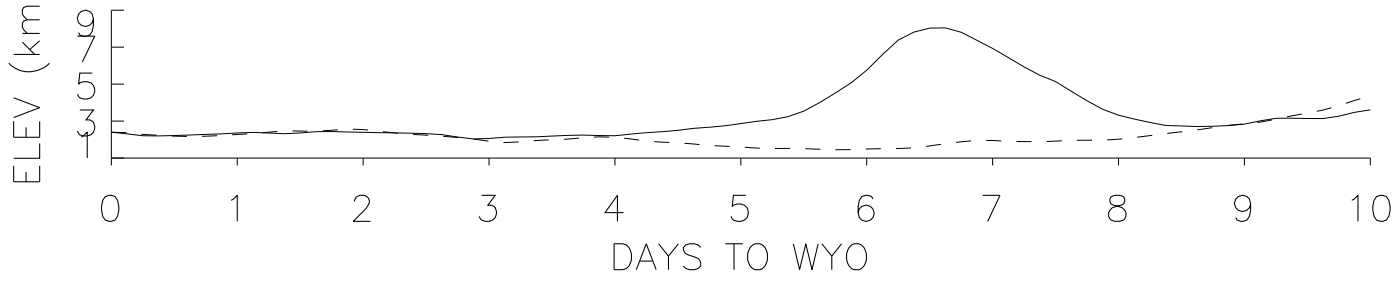
Day	km	hPa	C
0	2.4	757	−6
1	2.3	769	−3
2	2.3	771	2
3	2.1	791	3
4	2.2	776	−1
5	2.9	698	−8
6	6.4	422	−41
7	8.1	320	−55
8	8.0	321	−52
9	7.3	361	−48
10	8.9	286	−59



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/4/2005 (Day of Year 4)
NCEP/NCAR Reanalysis 1 Data Set





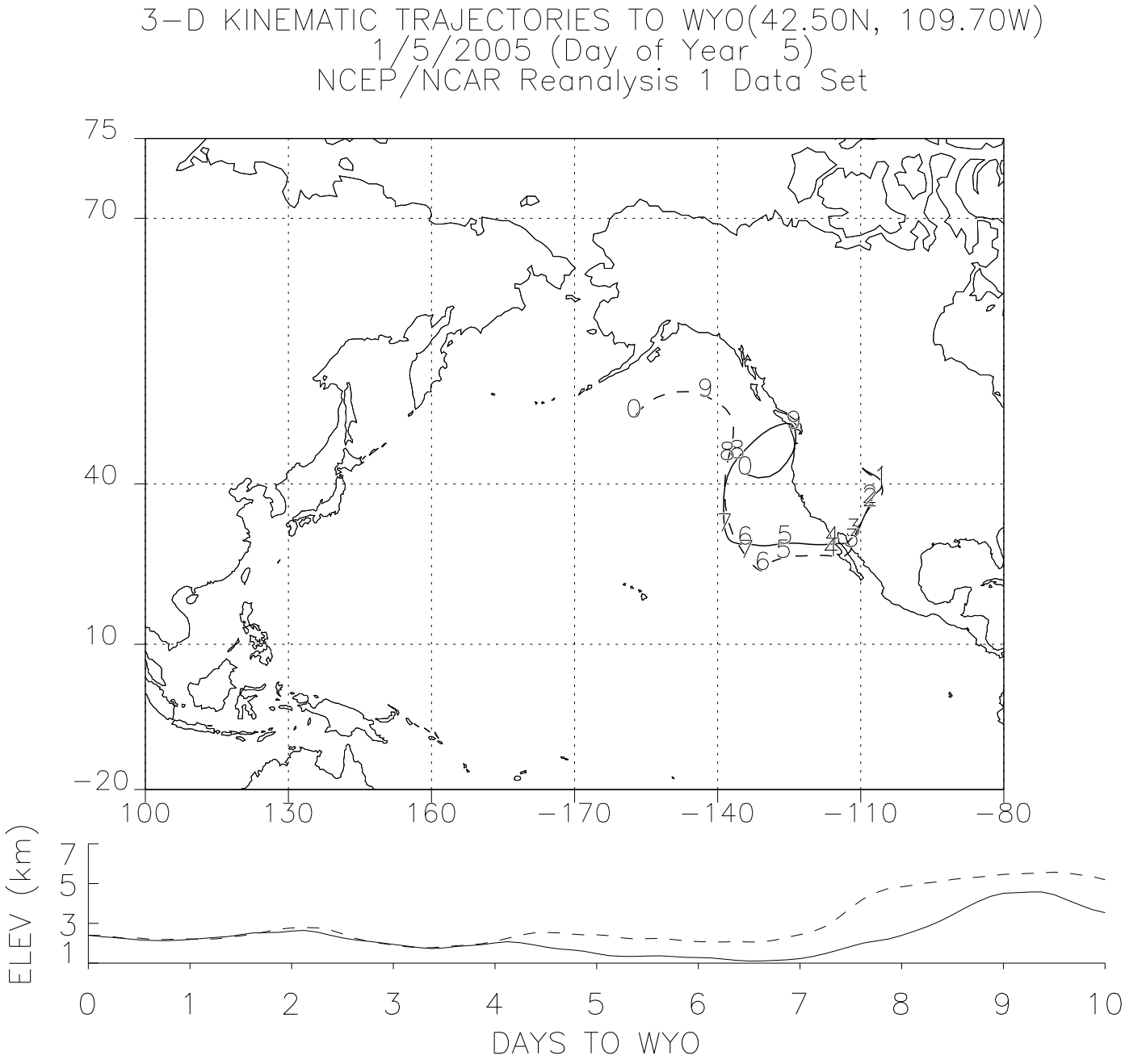
12UT

Day	km	hPa	C
0	2.4	755	−7
1	2.4	763	−3
2	2.4	761	0
3	2.1	791	3
4	2.2	775	1
5	2.9	710	−4
6	5.8	475	−31
7	6.9	395	−39
8	3.3	666	−7
9	2.8	711	−3
10	3.6	646	−11

18UT

Day	km	hPa	C
0	2.4	755	−8
1	2.3	773	−2
2	2.5	748	0
3	1.9	809	6
4	2.1	787	3
5	1.6	839	3
6	1.5	849	2
7	1.9	806	4
8	2.0	802	5
9	2.9	726	1
10	4.4	599	−9

12UT − solid
18UT − dashed



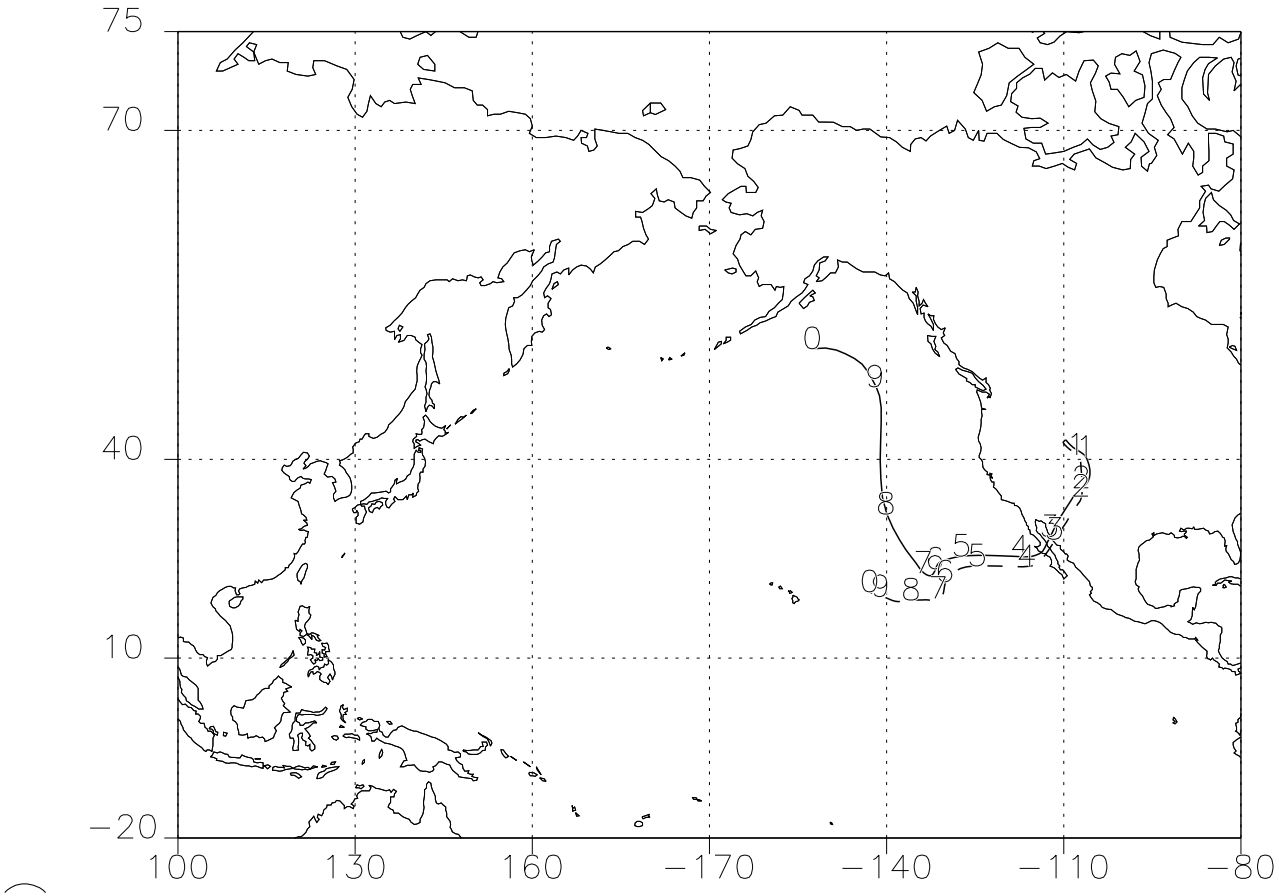
00UT

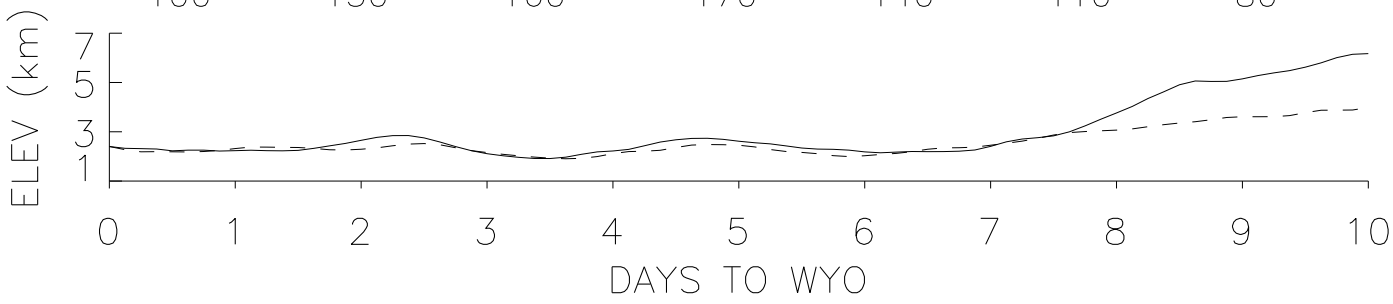
Day	km	hPa	C
0	2.4	754	−8
1	2.2	780	1
2	2.6	740	−1
3	1.9	805	8
4	2.0	798	7
5	1.5	852	6
6	1.3	872	5
7	1.2	874	5
8	2.4	754	−2
9	4.5	565	−25
10	3.5	646	−17

06UT

Day	km	hPa	C
0	2.4	754	−9
1	2.2	776	0
2	2.8	727	−1
3	1.9	810	9
4	2.1	792	9
5	2.4	763	6
6	2.1	795	9
7	2.4	756	5
8	4.8	553	−14
9	5.5	514	−16
10	5.2	538	−15

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/5/2005 (Day of Year 5)
NCEP/NCAR Reanalysis 1 Data Set





12UT

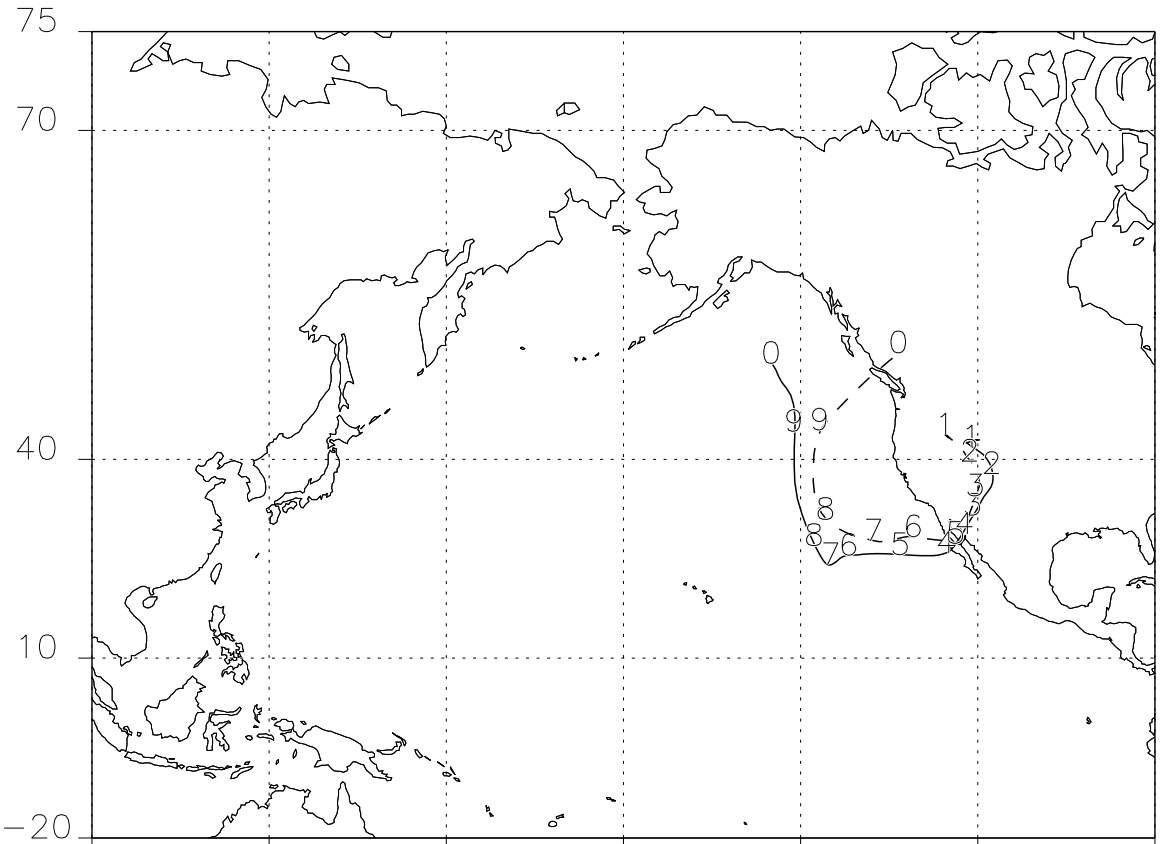
Day	km	hPa	C
0	2.4	754	−12
1	2.2	772	−2
2	2.7	738	0
3	2.1	788	4
4	2.2	779	8
5	2.6	743	4
6	2.2	784	8
7	2.4	761	8
8	3.8	640	−4
9	5.1	537	−13
10	6.2	469	−23

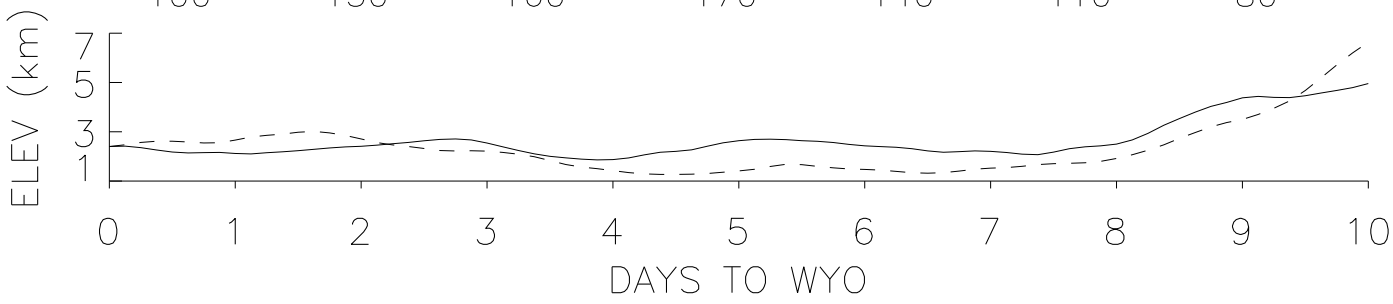
18UT

Day	km	hPa	C
0	2.4	756	−10
1	2.3	763	−4
2	2.3	773	3
3	2.2	786	5
4	2.1	793	10
5	2.5	760	5
6	2.0	801	11
7	2.5	761	7
8	3.1	703	4
9	3.6	659	2
10	4.0	630	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/6/2005 (Day of Year 6)
NCEP/NCAR Reanalysis 1 Data Set





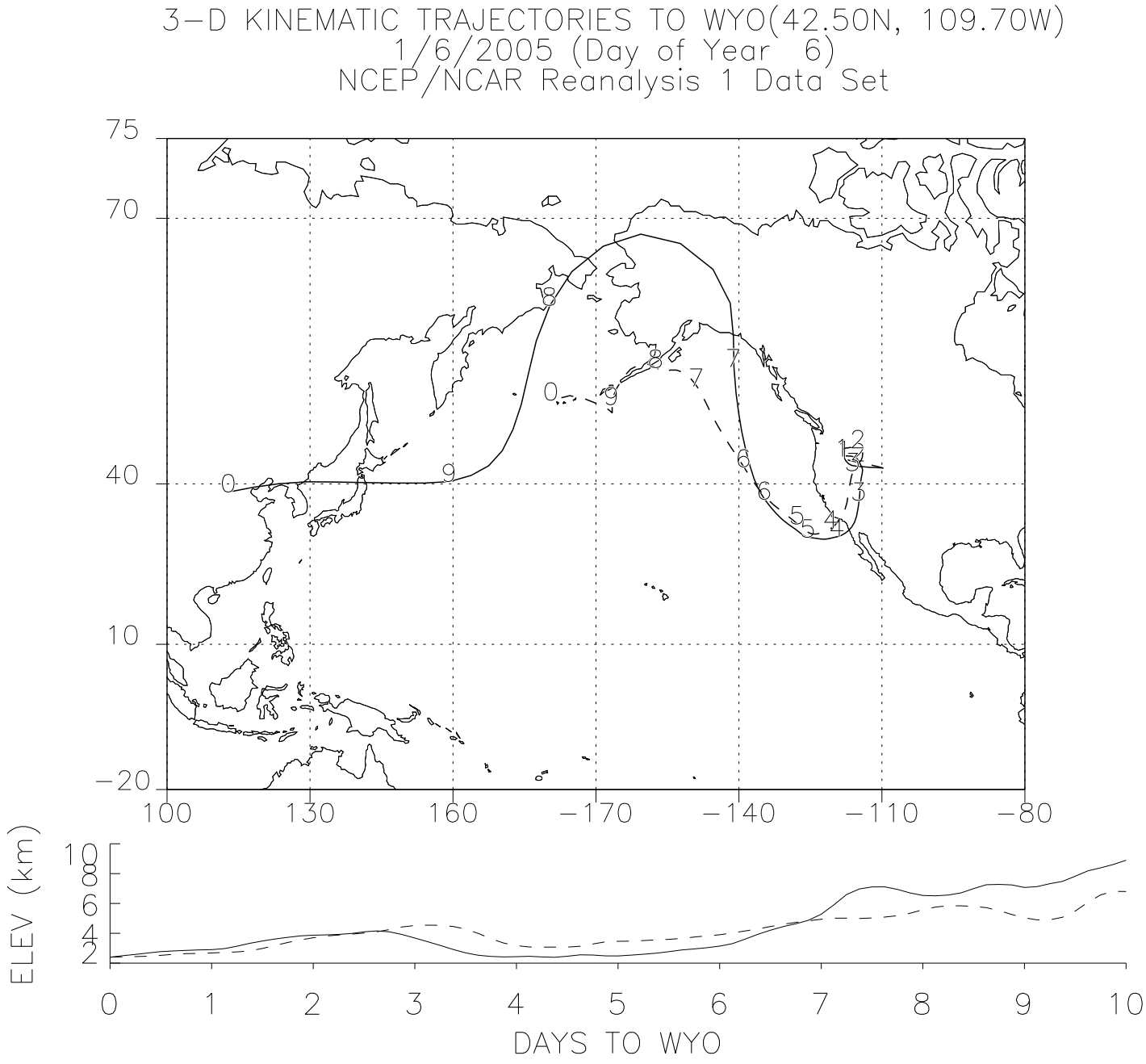
00UT

Day	km	hPa	C
0	2.4	756	−8
1	2.1	779	−5
2	2.4	758	2
3	2.5	746	1
4	1.9	813	10
5	2.6	741	4
6	2.4	761	6
7	2.2	780	8
8	2.5	749	6
9	4.4	592	−8
10	5.0	551	−15

06UT

Day	km	hPa	C
0	2.4	754	−10
1	2.7	727	−8
2	2.7	725	−2
3	2.2	779	2
4	1.4	858	11
5	1.4	859	12
6	1.5	855	10
7	1.5	848	7
8	1.9	803	3
9	3.5	656	−8
10	6.6	426	−36

00UT − solid
06UT − dashed



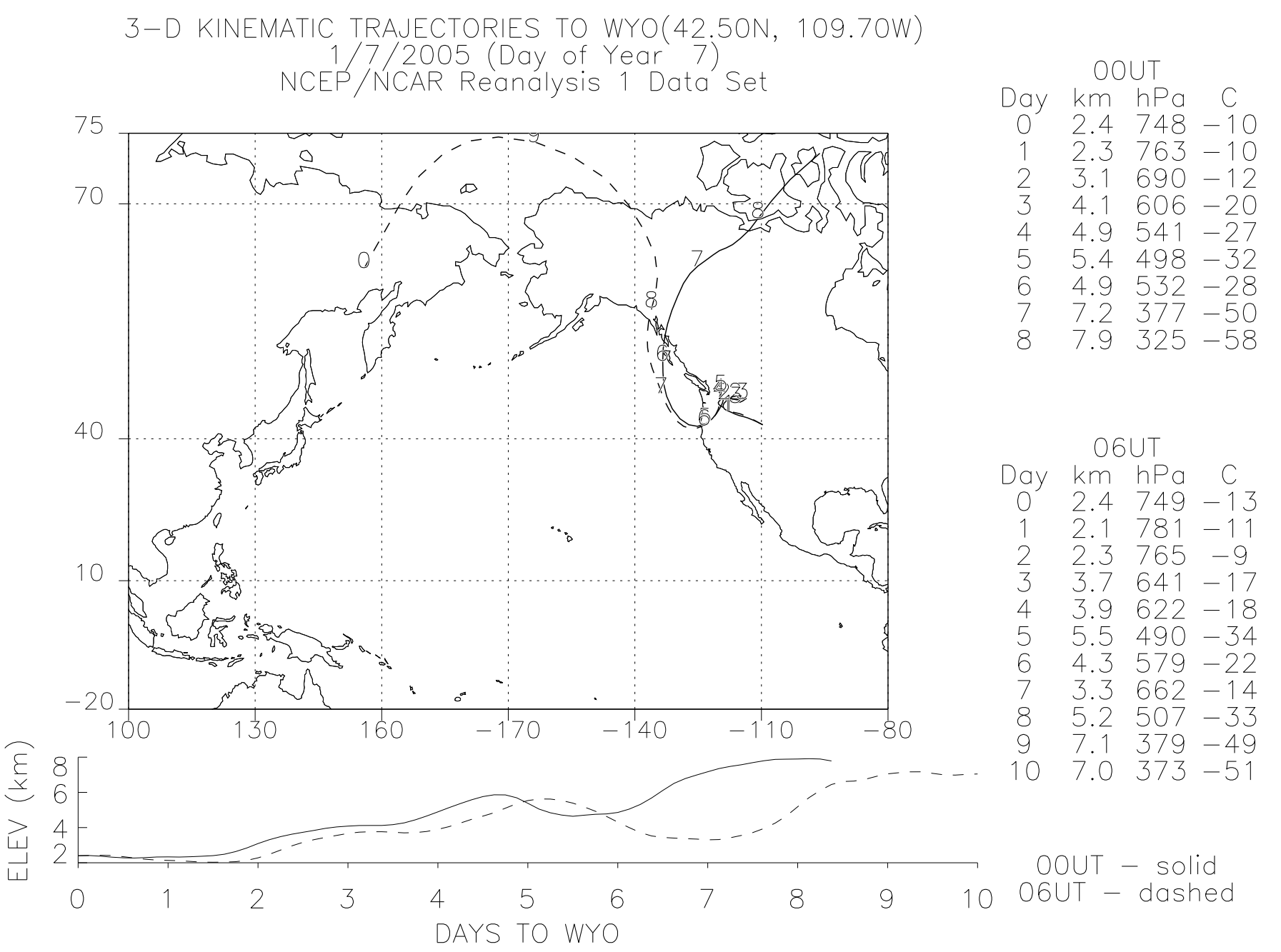
12UT

Day	km	hPa	C
0	2.4	751	−10
1	2.9	706	−11
2	3.9	622	−15
3	3.7	642	−11
4	2.4	754	−1
5	2.5	751	1
6	3.1	689	−5
7	5.3	510	−24
8	6.5	420	−37
9	7.1	393	−40
10	8.9	300	−55

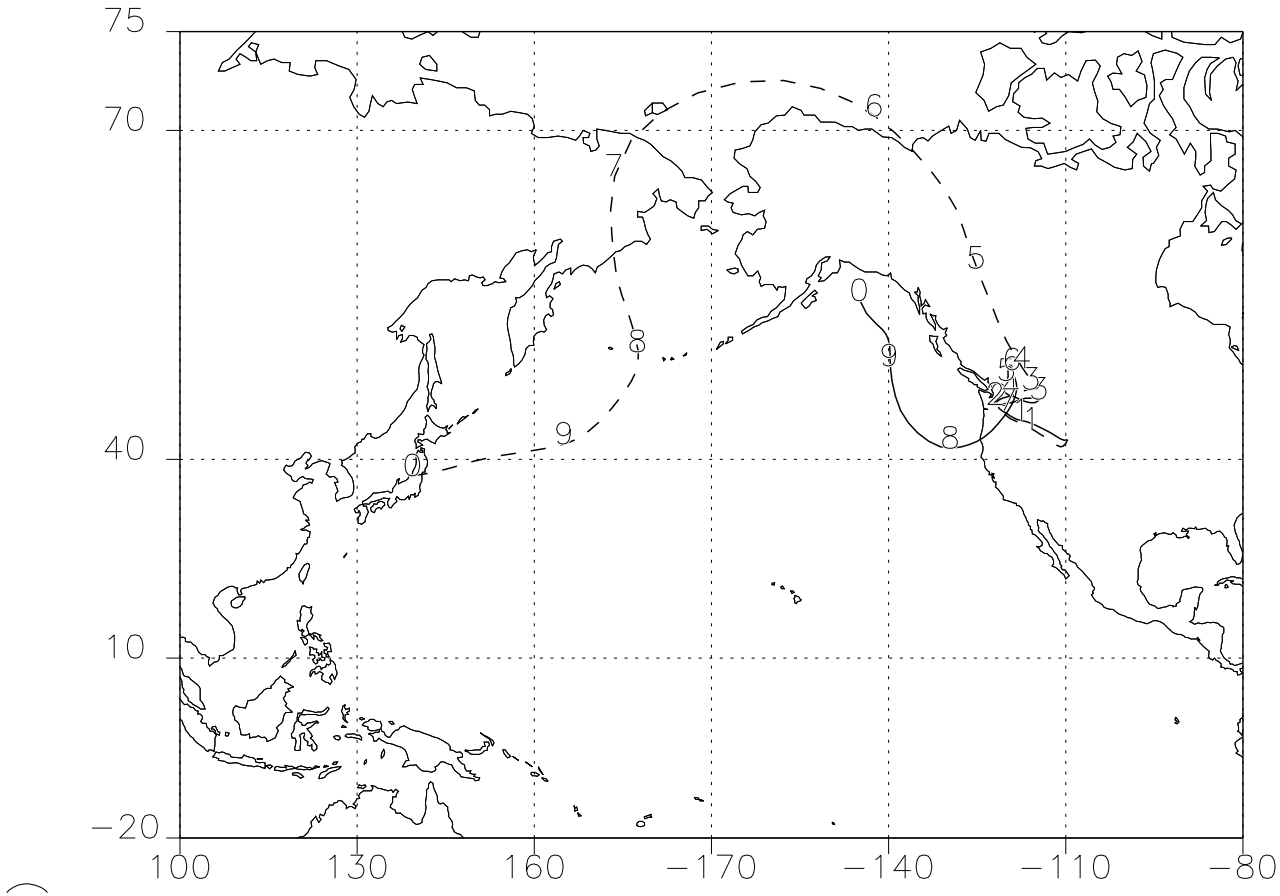
18UT

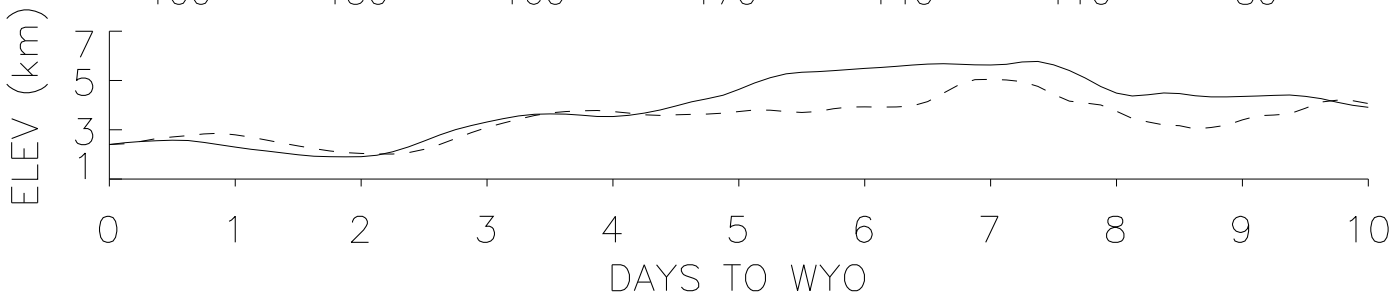
Day	km	hPa	C
0	2.4	749	−10
1	2.7	729	−11
2	3.7	636	−15
3	4.5	574	−19
4	3.2	686	−6
5	3.5	665	−5
6	3.9	626	−9
7	4.9	547	−18
8	5.6	503	−22
9	5.0	545	−14
10	6.8	420	−31

12UT − solid
18UT − dashed


3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/7/2005 (Day of Year 7)
NCEP/NCAR Reanalysis 1 Data Set
75
70
40
10
-20
100
130
160
-170
-140
-110
-80
ELEV (km)
8
6
4
2
0
1
2
3
4
5
6
7
8
9
10
DAYS TO WYO
00UT
Day km hPa C
0 2.4 748 -10
1 2.3 763 -10
2 3.1 690 -12
3 4.1 606 -20
4 4.9 541 -27
5 5.4 498 -32
6 4.9 532 -28
7 7.2 377 -50
8 7.9 325 -58
06UT
Day km hPa C
0 2.4 749 -13
1 2.1 781 -11
2 2.3 765 -9
3 3.7 641 -17
4 3.9 622 -18
5 5.5 490 -34
6 4.3 579 -22
7 3.3 662 -14
8 5.2 507 -33
9 7.1 379 -49
10 7.0 373 -51
00UT - solid
06UT - dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/7/2005 (Day of Year 7)
NCEP/NCAR Reanalysis 1 Data Set





12UT

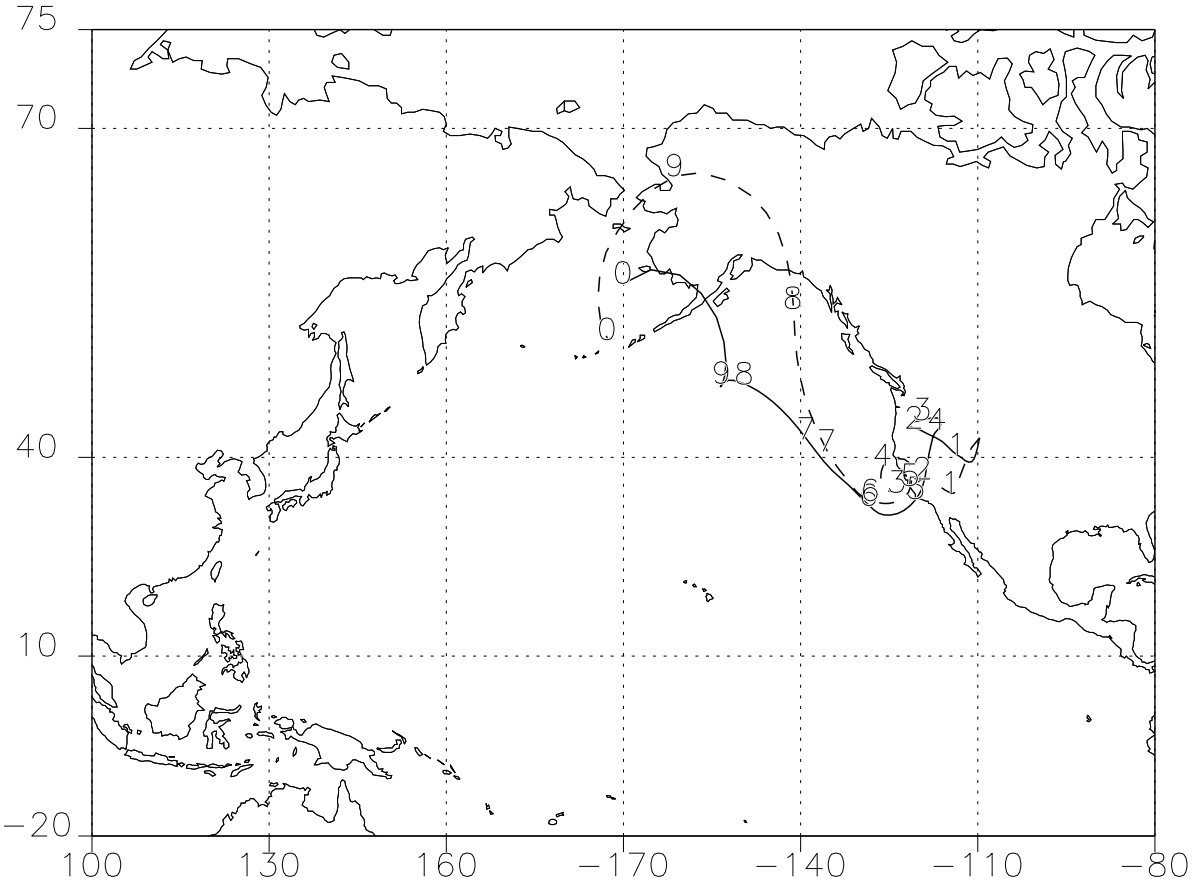
Day	km	hPa	C
0	2.4	751	−13
1	2.3	763	−11
2	1.9	805	−6
3	3.3	671	−15
4	3.5	651	−16
5	4.6	558	−26
6	5.5	492	−32
7	5.6	481	−33
8	4.5	559	−25
9	4.4	566	−28
10	3.9	596	−22

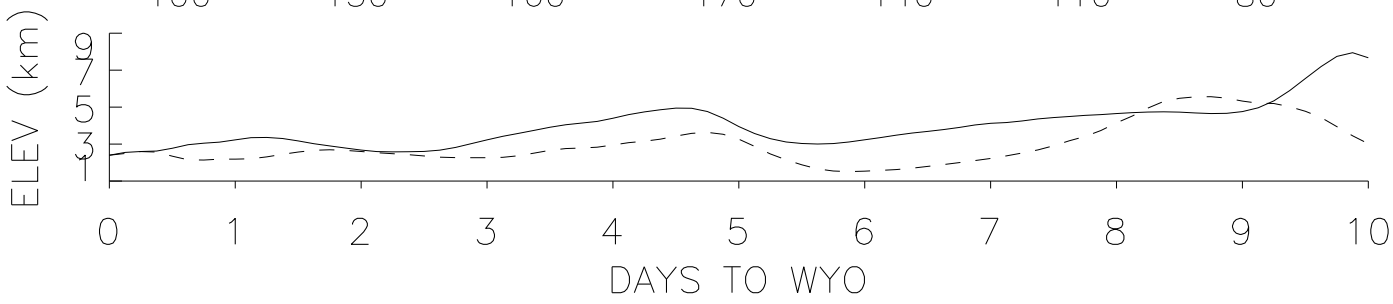
18UT

Day	km	hPa	C
0	2.4	753	−11
1	2.8	713	−13
2	2.0	793	−5
3	3.1	691	−13
4	3.7	631	−21
5	3.7	628	−20
6	3.9	611	−18
7	5.0	511	−30
8	3.8	616	−15
9	3.4	659	−11
10	4.1	602	−20

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/8/2005 (Day of Year 8)
NCEP/NCAR Reanalysis 1 Data Set





00UT

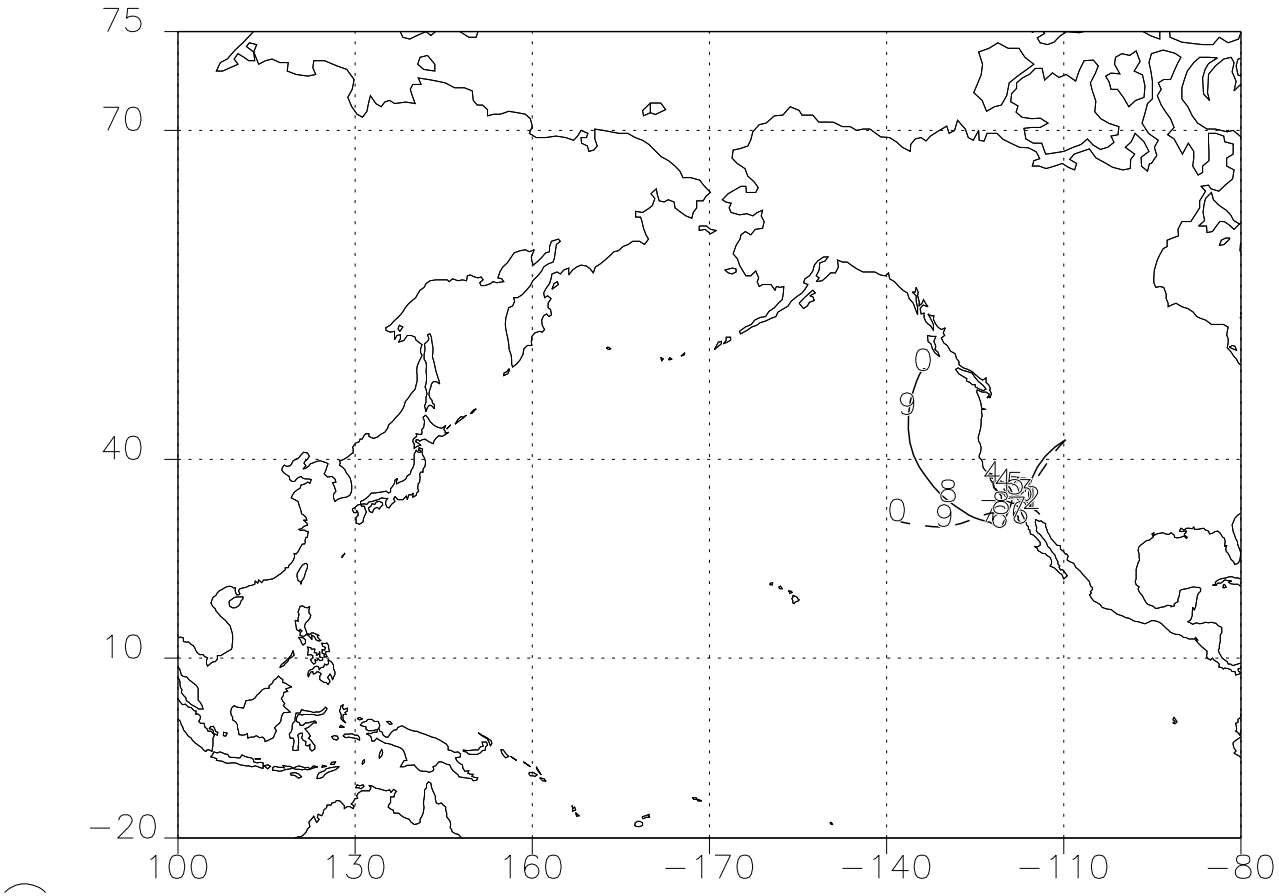
Day	km	hPa	C
0	2.4	749	−8
1	3.2	674	−16
2	2.7	731	−9
3	3.2	676	−11
4	4.4	583	−19
5	3.9	617	−14
6	3.2	683	−5
7	4.1	608	−12
8	4.7	570	−13
9	4.8	562	−11
10	7.7	372	−39

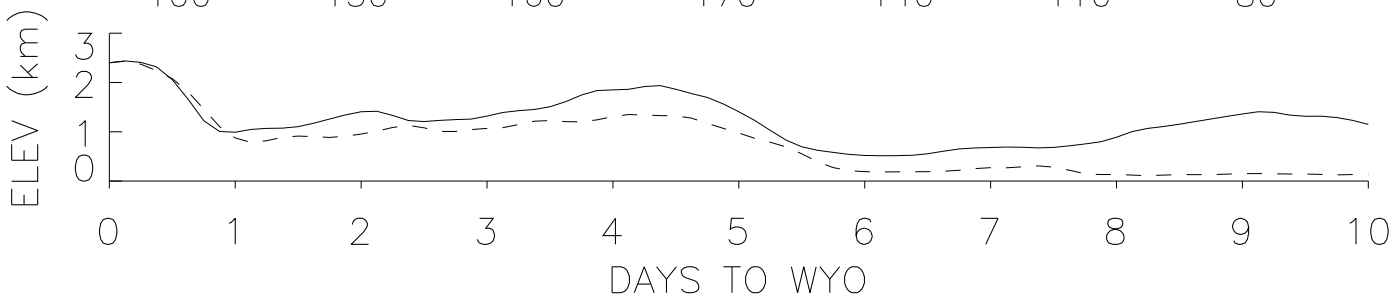
06UT

Day	km	hPa	C
0	2.4	746	−5
1	2.2	775	−4
2	2.6	741	−7
3	2.3	770	−3
4	3.0	700	−9
5	3.3	672	−11
6	1.5	844	2
7	2.2	773	−4
8	4.1	599	−18
9	5.3	507	−28
10	3.0	697	−7

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/8/2005 (Day of Year 8)
NCEP/NCAR Reanalysis 1 Data Set





12UT

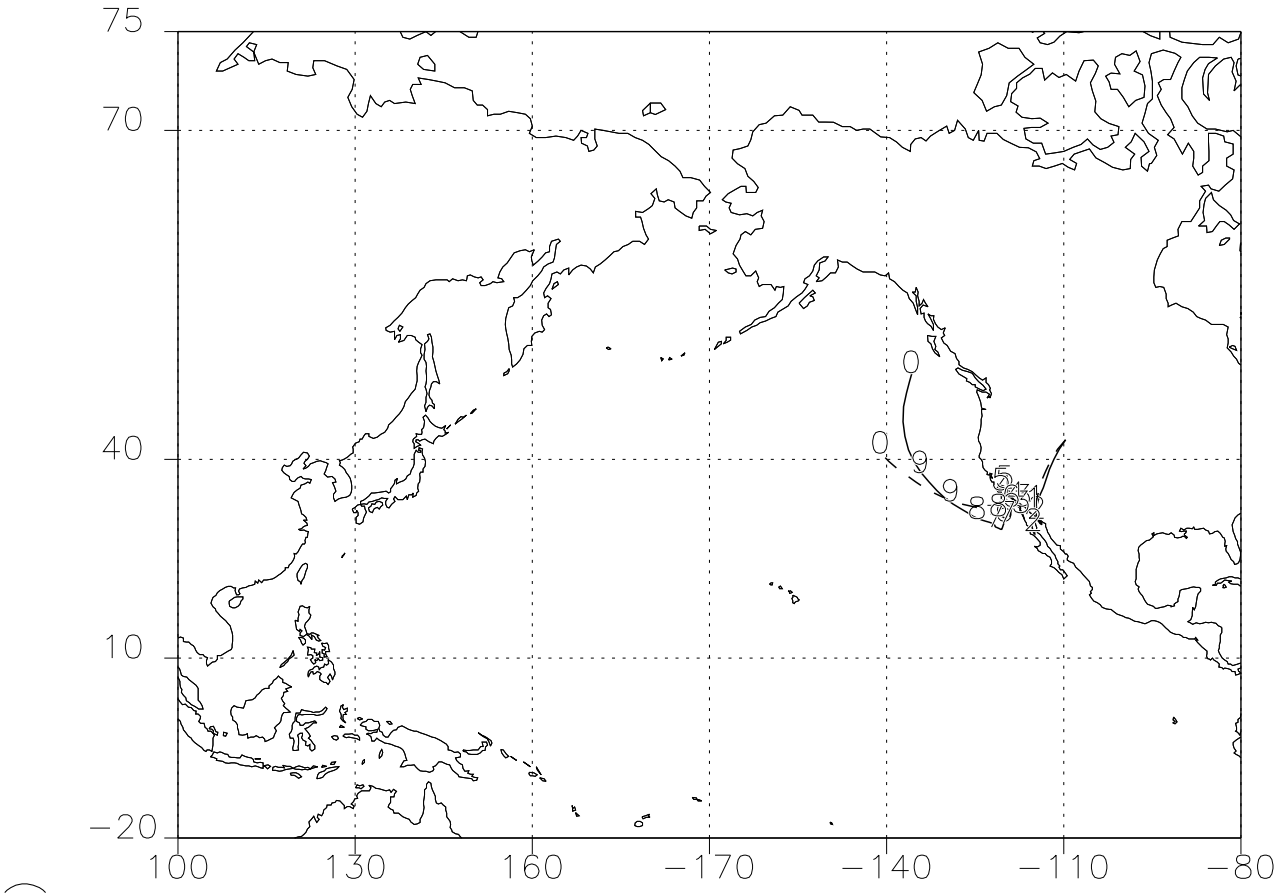
Day	km	hPa	C
0	2.4	749	−3
1	1.0	900	4
2	1.4	859	0
3	1.3	870	0
4	1.8	803	−4
5	1.4	852	1
6	0.5	955	10
7	0.7	938	8
8	0.9	911	7
9	1.4	847	−3
10	1.1	863	−5

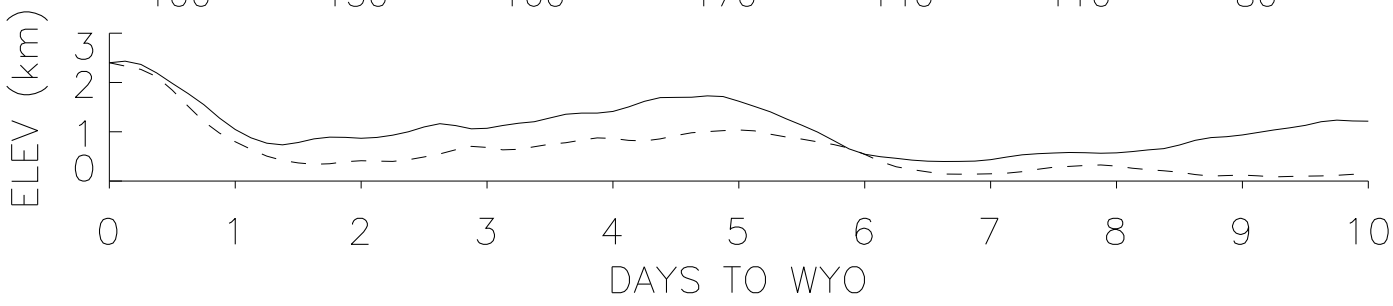
18UT

Day	km	hPa	C
0	2.4	751	−3
1	0.9	913	5
2	1.0	908	3
3	1.1	901	2
4	1.3	862	1
5	1.0	899	5
6	0.2	995	12
7	0.3	986	12
8	0.1	1000	14
9	0.2	1000	15
10	0.1	1000	14

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/9/2005 (Day of Year 9)
NCEP/NCAR Reanalysis 1 Data Set





00UT

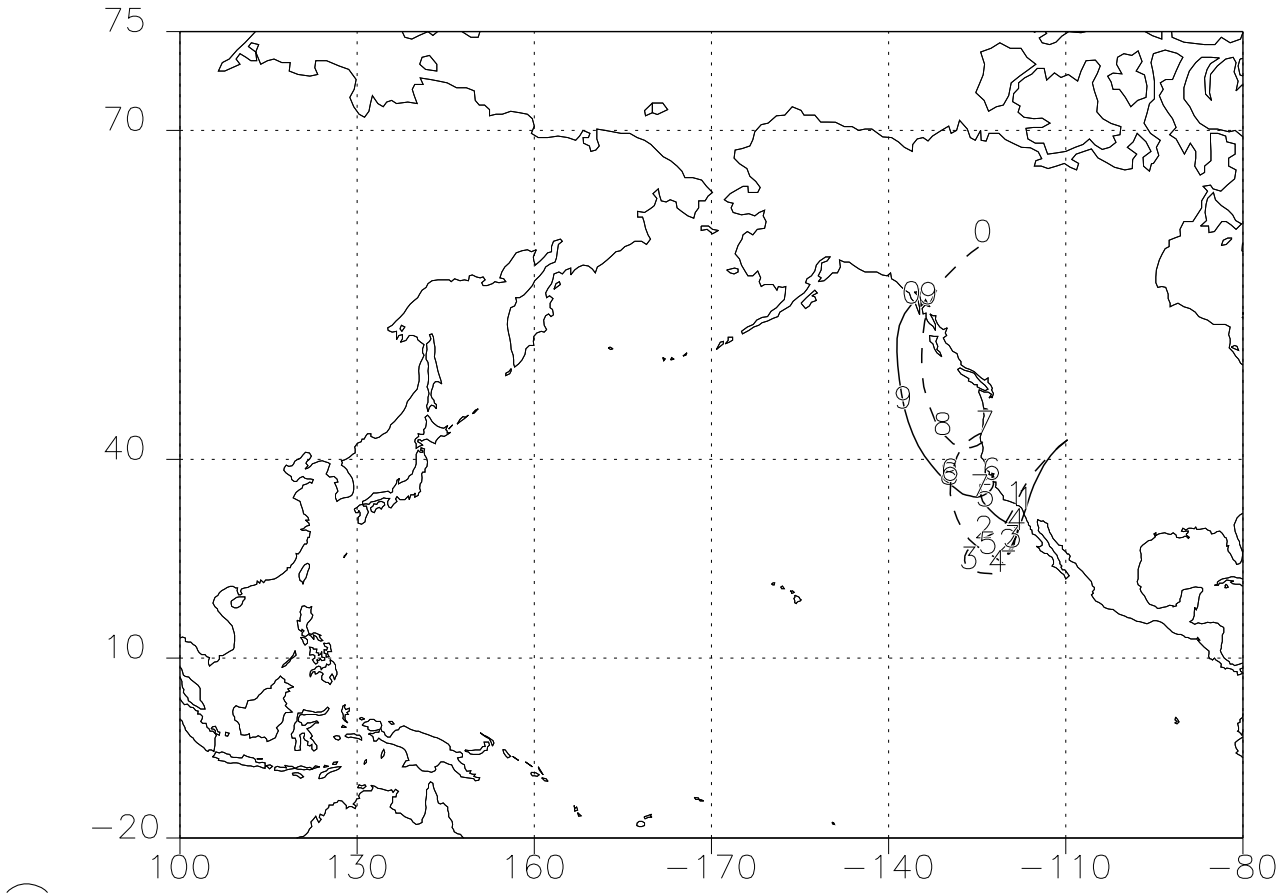
Day	km	hPa	C
0	2.4	750	−2
1	1.0	894	6
2	0.9	914	6
3	1.1	899	3
4	1.4	852	0
5	1.6	826	−2
6	0.5	950	11
7	0.4	966	11
8	0.6	950	9
9	0.9	900	3
10	1.2	859	−4

06UT

Day	km	hPa	C
0	2.4	750	−3
1	0.8	923	8
2	0.4	967	10
3	0.7	942	7
4	0.9	917	4
5	1.0	889	2
6	0.5	951	9
7	0.1	1000	14
8	0.3	981	12
9	0.1	998	14
10	0.1	994	9

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/9/2005 (Day of Year 9)
NCEP/NCAR Reanalysis 1 Data Set

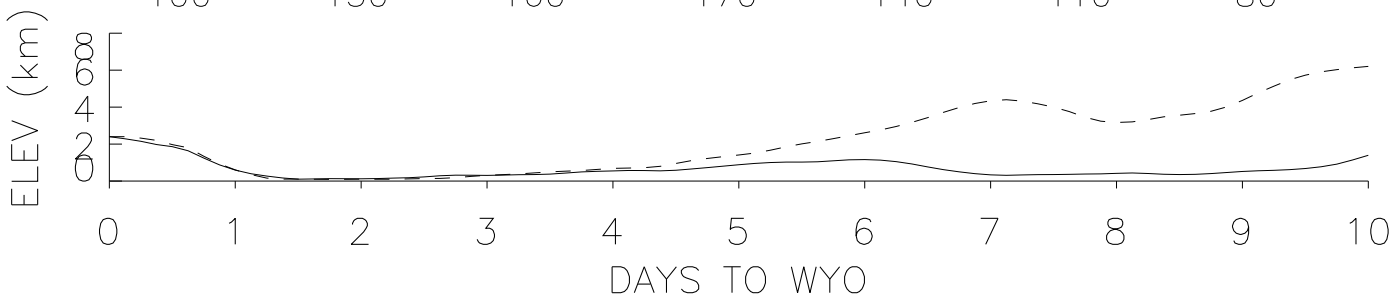


12UT

Day	km	hPa	C
0	2.4	754	−4
1	0.6	944	11
2	0.1	1000	15
3	0.3	983	14
4	0.5	955	10
5	0.9	906	3
6	1.2	877	0
7	0.3	974	10
8	0.4	967	9
9	0.5	952	2
10	1.4	850	−16

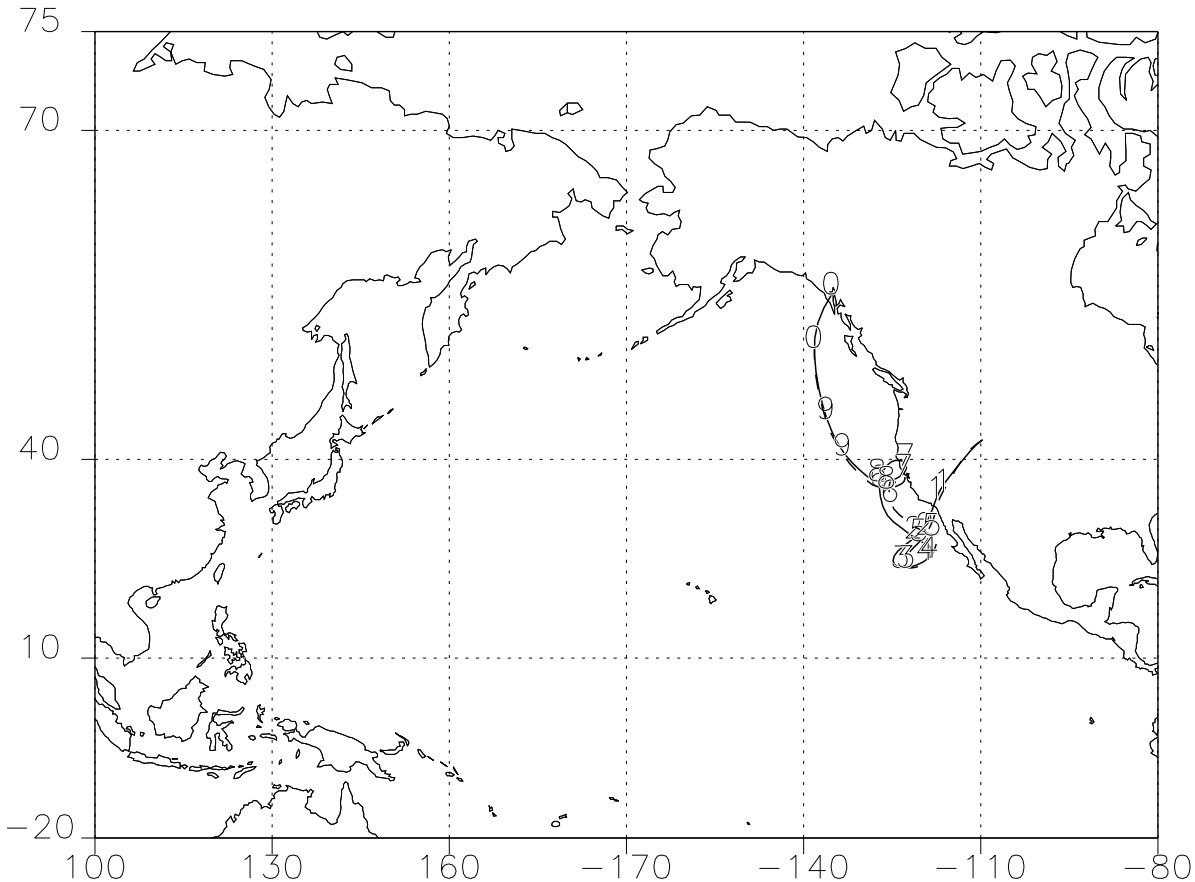
18UT

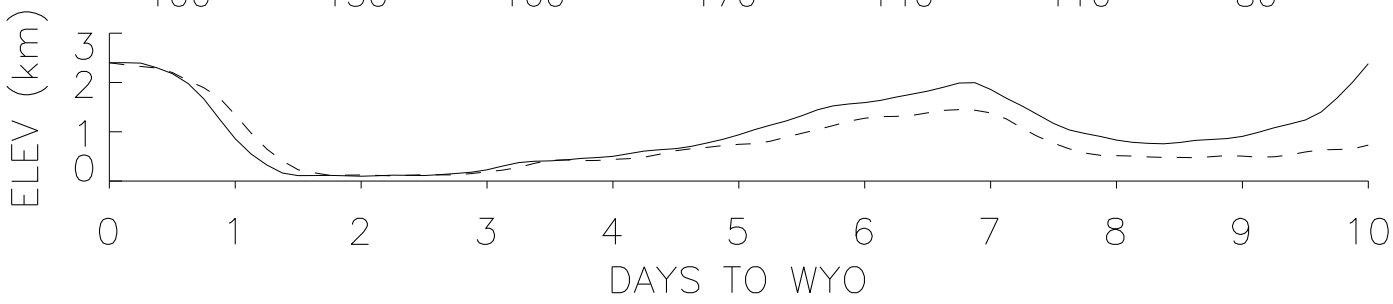
Day	km	hPa	C
0	2.4	757	−2
1	0.6	944	12
2	0.1	1000	17
3	0.3	983	17
4	0.7	944	12
5	1.4	859	4
6	2.6	735	−7
7	4.3	580	−26
8	3.2	676	−14
9	4.4	570	−27
10	6.2	432	−46



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/10/2005 (Day of Year 10)
NCEP/NCAR Reanalysis 1 Data Set





00UT

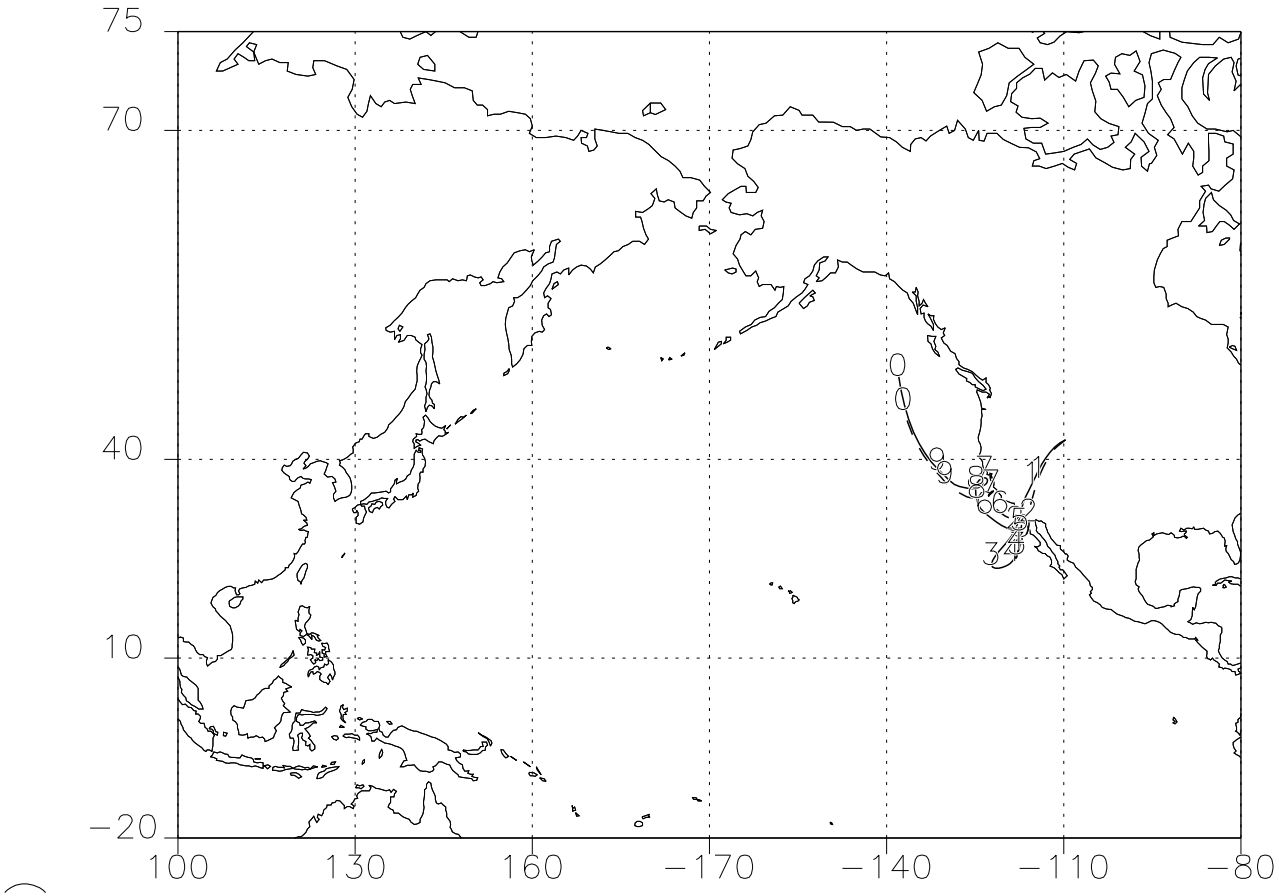
Day	km	hPa	C
0	2.4	756	−2
1	0.9	914	9
2	0.1	1000	17
3	0.2	990	15
4	0.5	961	12
5	0.9	908	7
6	1.6	831	−2
7	1.9	803	−5
8	0.8	919	4
9	0.9	908	−1
10	2.4	748	−20

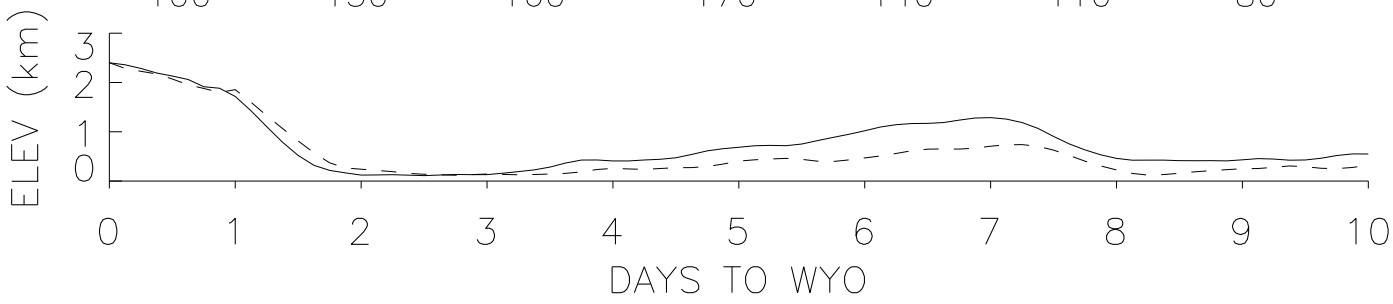
06UT

Day	km	hPa	C
0	2.4	756	−1
1	1.3	865	7
2	0.1	1000	16
3	0.2	995	15
4	0.4	970	13
5	0.7	932	9
6	1.3	865	1
7	1.4	852	−1
8	0.5	955	8
9	0.5	956	4
10	0.7	928	−5

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/10/2005 (Day of Year 10)
NCEP/NCAR Reanalysis 1 Data Set





12UT

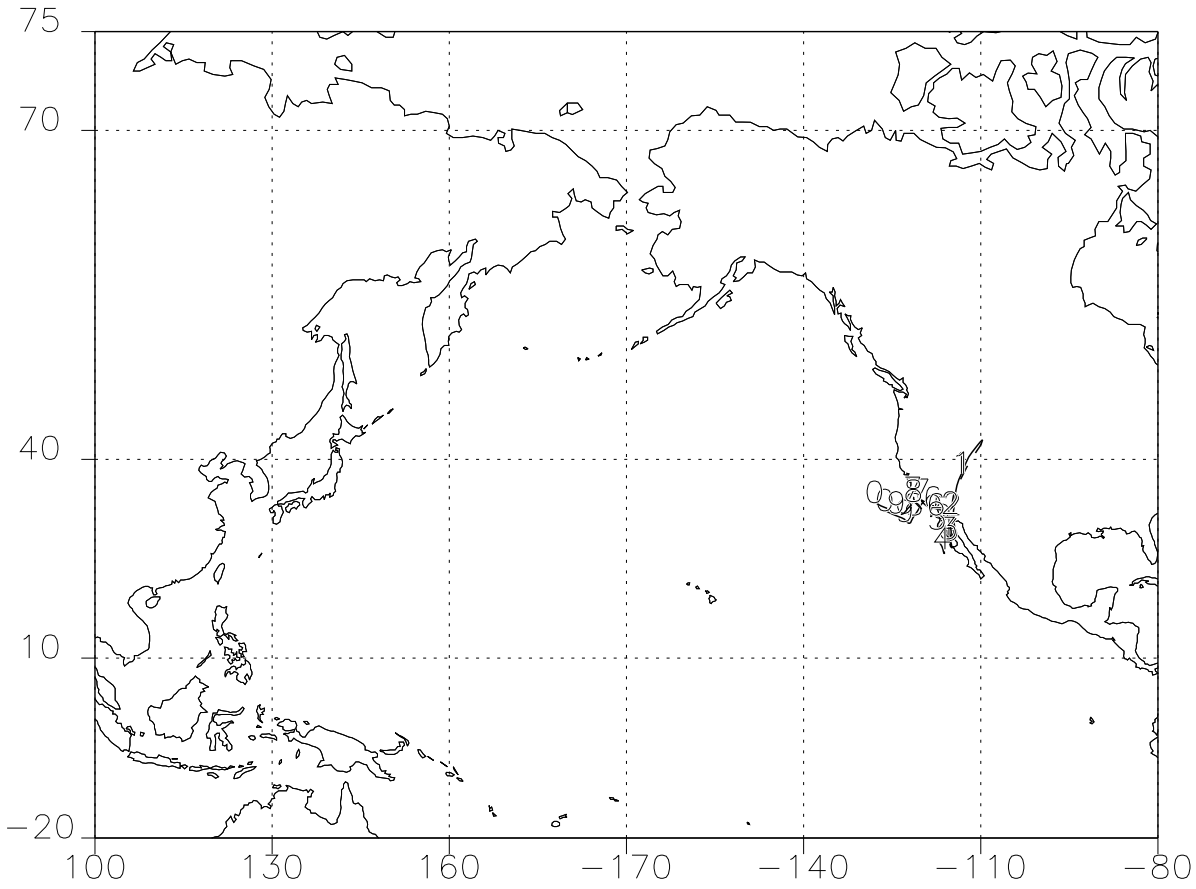
Day	km	hPa	C
0	2.4	756	−2
1	1.7	826	5
2	0.1	1000	16
3	0.1	1000	15
4	0.4	971	14
5	0.7	939	10
6	1.0	891	3
7	1.3	863	−1
8	0.5	959	8
9	0.4	965	7
10	0.5	950	−1

18UT

Day	km	hPa	C
0	2.4	756	−2
1	1.9	814	5
2	0.2	990	16
3	0.1	1000	16
4	0.3	989	15
5	0.4	976	12
6	0.5	957	8
7	0.7	927	4
8	0.2	987	11
9	0.2	989	11
10	0.3	978	3

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/11/2005 (Day of Year 11)
NCEP/NCAR Reanalysis 1 Data Set

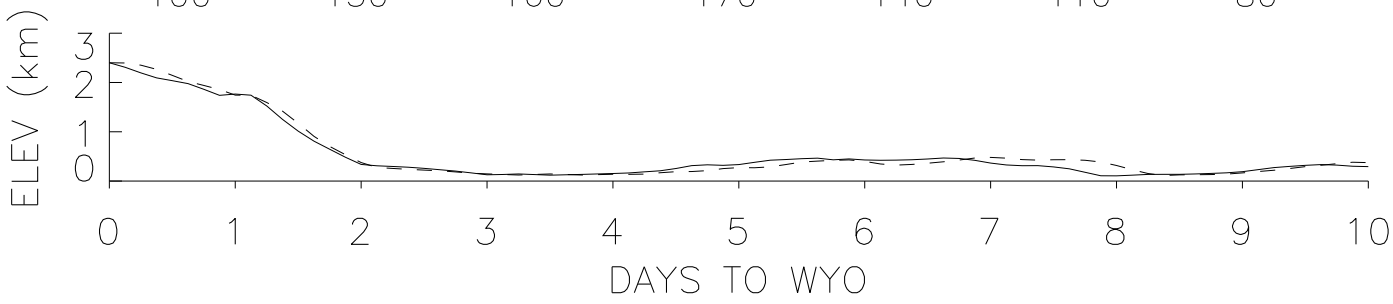


00UT

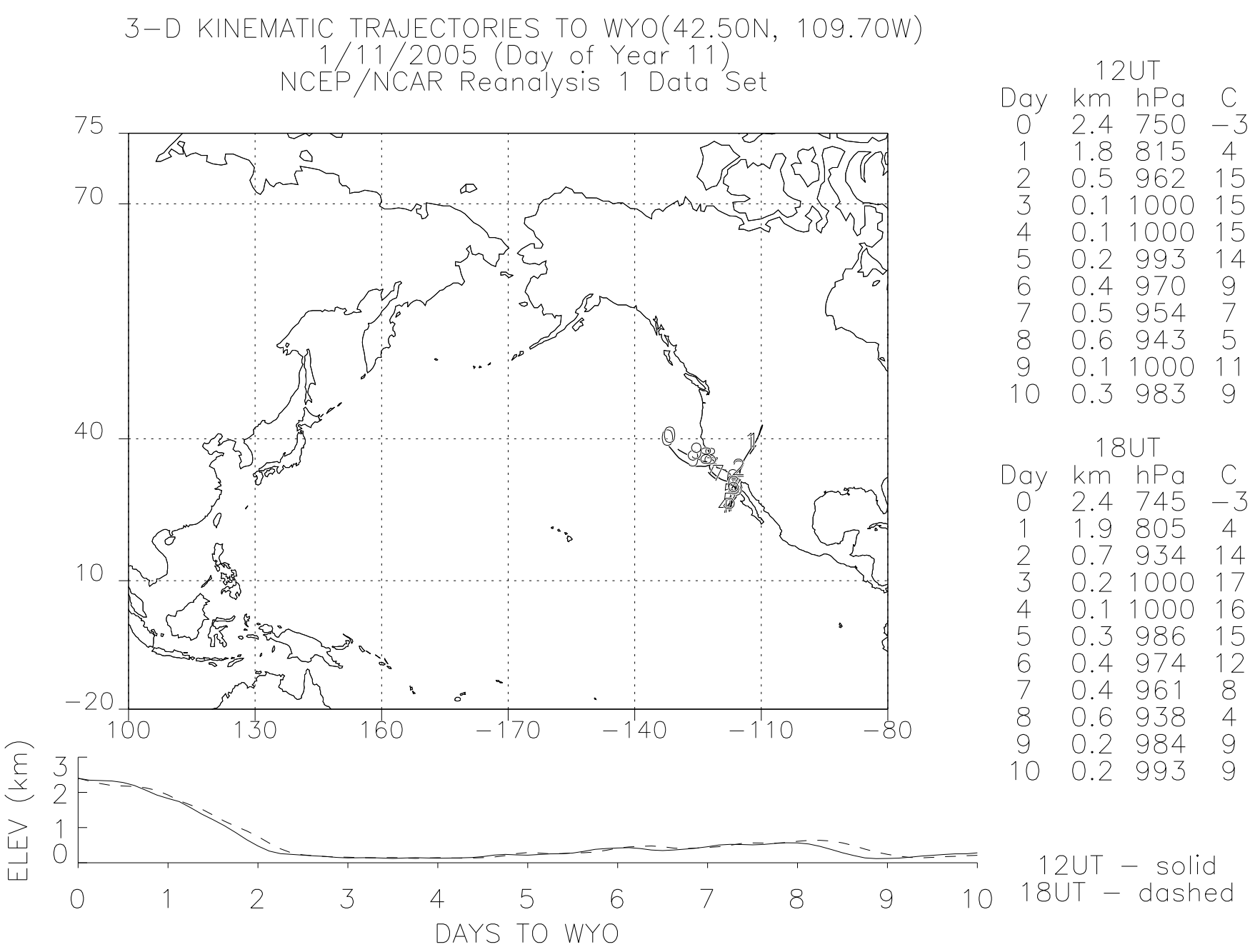
Day	km	hPa	C
0	2.4	755	−2
1	1.8	821	5
2	0.3	977	16
3	0.1	999	16
4	0.2	997	14
5	0.3	982	11
6	0.4	962	8
7	0.4	964	8
8	0.1	1000	14
9	0.2	994	13
10	0.3	981	12

06UT

Day	km	hPa	C
0	2.4	752	−3
1	1.7	824	5
2	0.4	975	15
3	0.1	1000	16
4	0.1	1000	14
5	0.3	990	12
6	0.4	971	9
7	0.5	952	7
8	0.3	974	10
9	0.2	998	13
10	0.4	973	10



00UT – solid
06UT – dashed



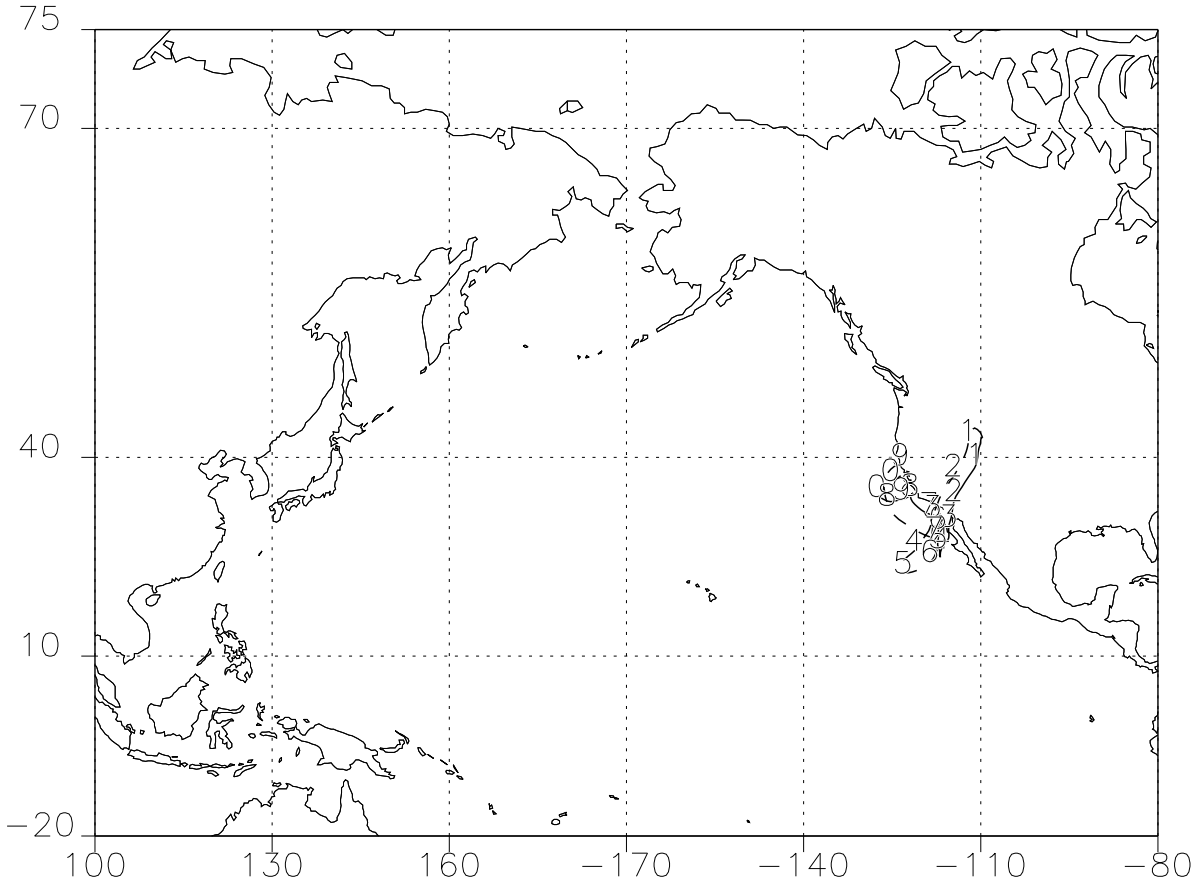
12UT

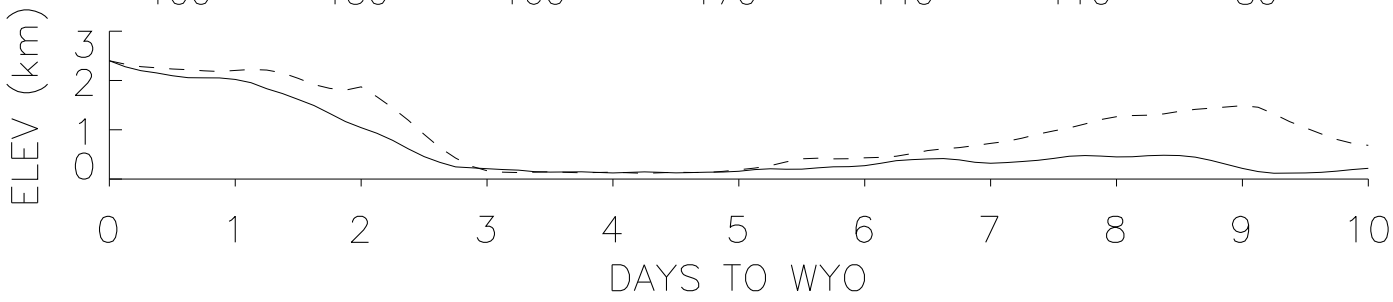
Day	km	hPa	C
0	2.4	750	-3
1	1.8	815	4
2	0.5	962	15
3	0.1	1000	15
4	0.1	1000	15
5	0.2	993	14
6	0.4	970	9
7	0.5	954	7
8	0.6	943	5
9	0.1	1000	11
10	0.3	983	9

18UT

Day	km	hPa	C
0	2.4	745	-3
1	1.9	805	4
2	0.7	934	14
3	0.2	1000	17
4	0.1	1000	16
5	0.3	986	15
6	0.4	974	12
7	0.4	961	8
8	0.6	938	4
9	0.2	984	9
10	0.2	993	9

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/12/2005 (Day of Year 12)
NCEP/NCAR Reanalysis 1 Data Set





00UT

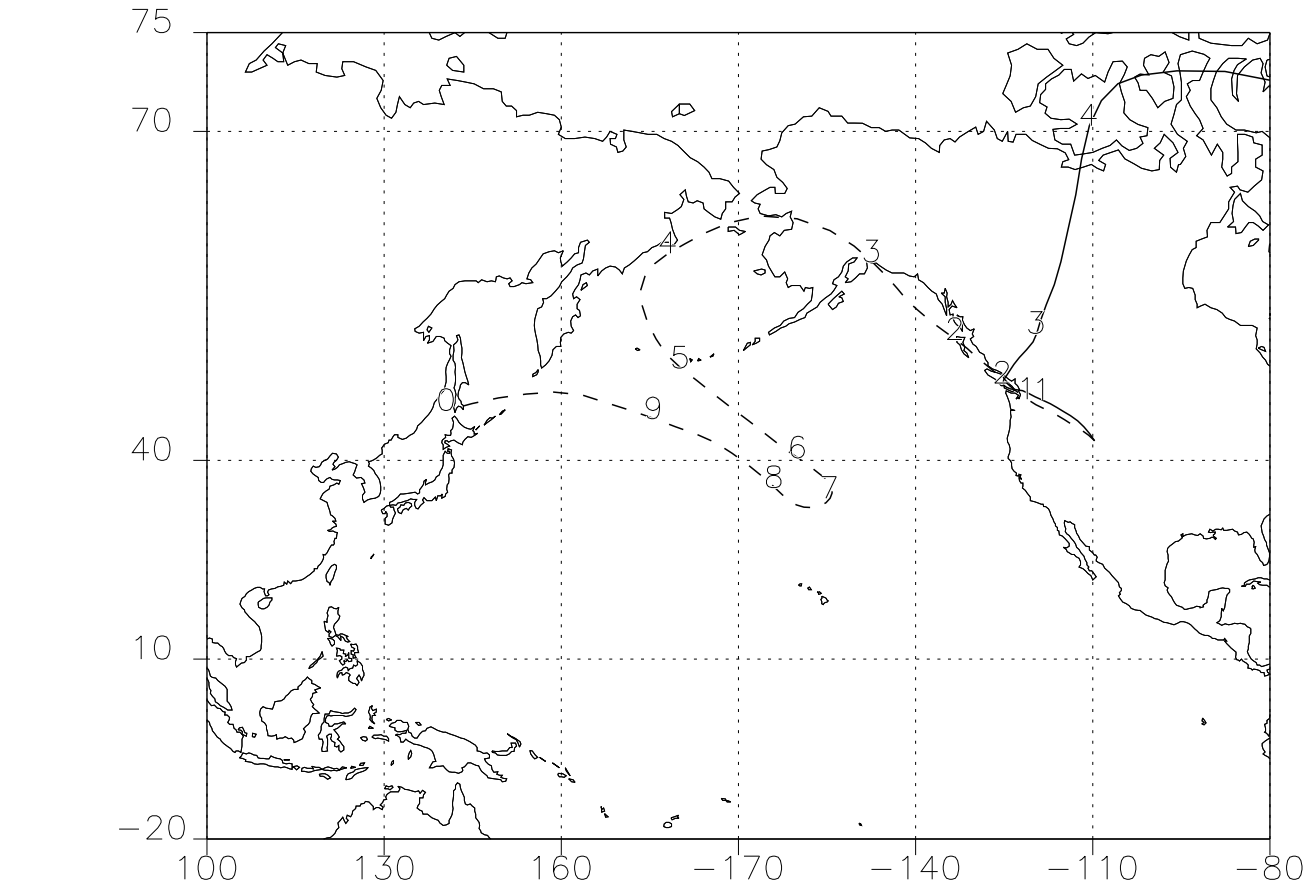
Day	km	hPa	C
0	2.4	744	−3
1	2.0	793	3
2	1.0	900	12
3	0.2	992	18
4	0.1	1000	17
5	0.2	997	15
6	0.3	989	13
7	0.3	975	10
8	0.4	954	6
9	0.2	985	10
10	0.2	991	12

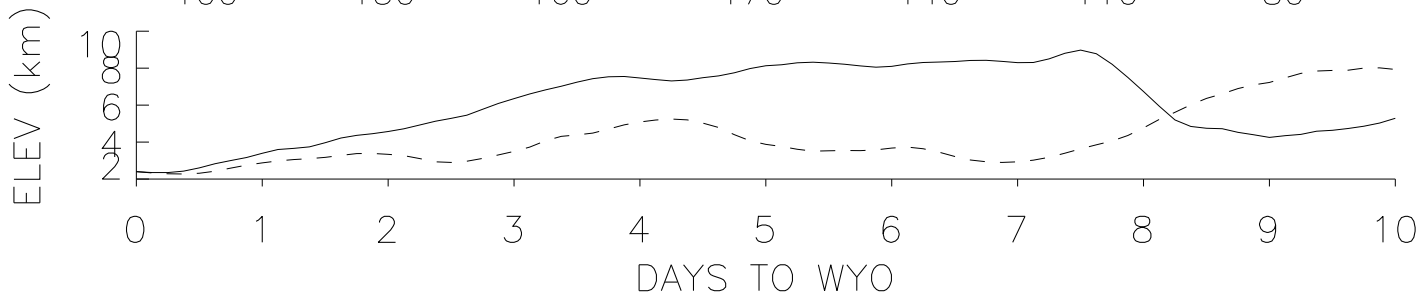
06UT

Day	km	hPa	C
0	2.4	745	−6
1	2.2	770	−2
2	1.9	811	5
3	0.2	997	16
4	0.1	1000	17
5	0.2	994	16
6	0.4	971	13
7	0.7	935	9
8	1.3	867	1
9	1.5	842	−2
10	0.7	935	5

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/12/2005 (Day of Year 12)
NCEP/NCAR Reanalysis 1 Data Set





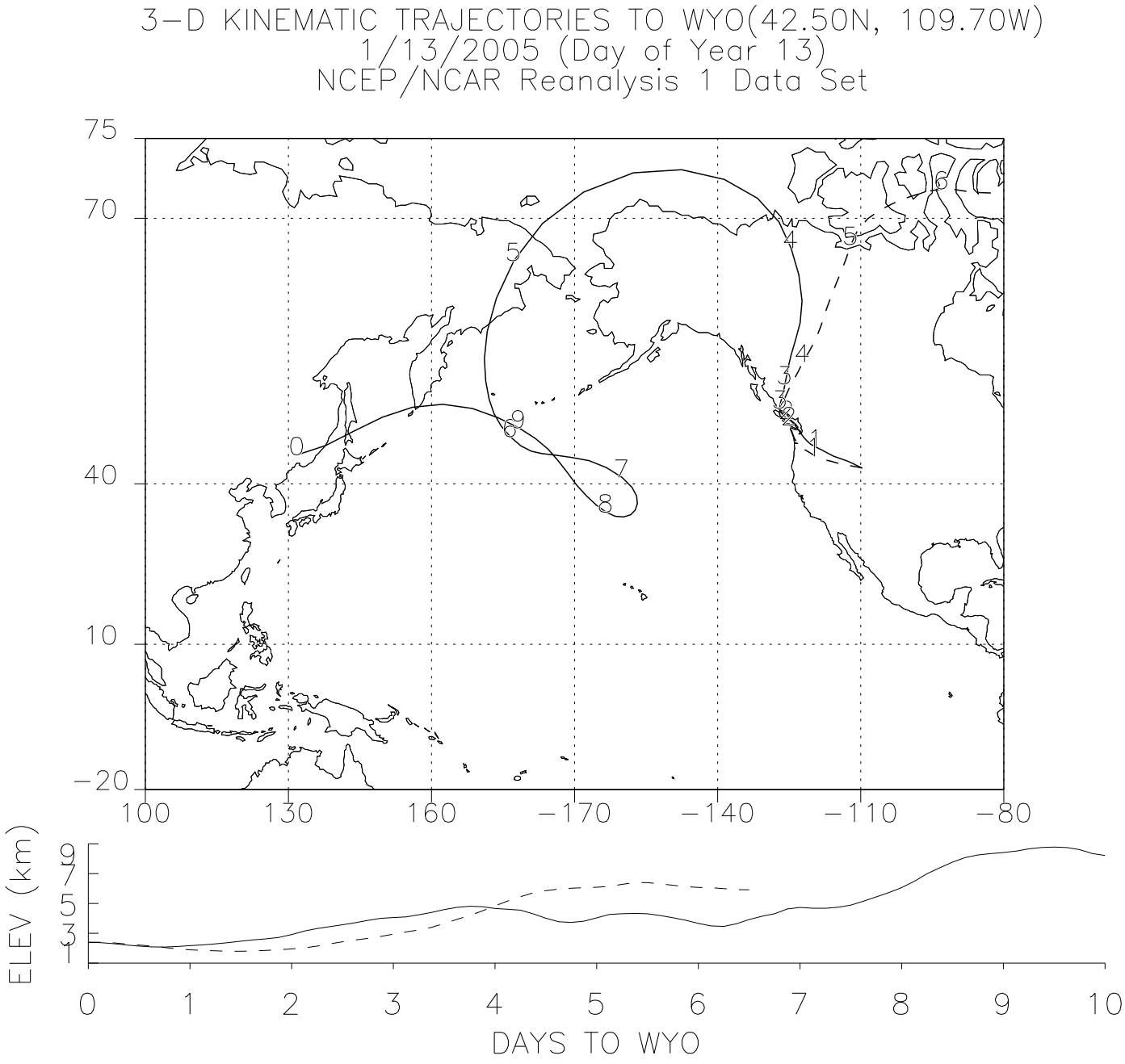
12UT

Day	km	hPa	C
0	2.4	748	−9
1	3.4	655	−15
2	4.6	560	−25
3	6.4	428	−40
4	7.5	353	−51
5	8.1	313	−60
6	8.1	317	−56
7	8.3	308	−58
8	6.7	388	−43
9	4.3	575	−25
10	5.3	493	−37

18UT

Day	km	hPa	C
0	2.4	753	−10
1	2.9	702	−12
2	3.3	663	−13
3	3.5	656	−12
4	5.1	530	−25
5	3.9	624	−15
6	3.7	643	−12
7	2.9	701	−5
8	4.8	552	−22
9	7.2	384	−44
10	7.9	339	−51

12UT − solid
18UT − dashed



00UT

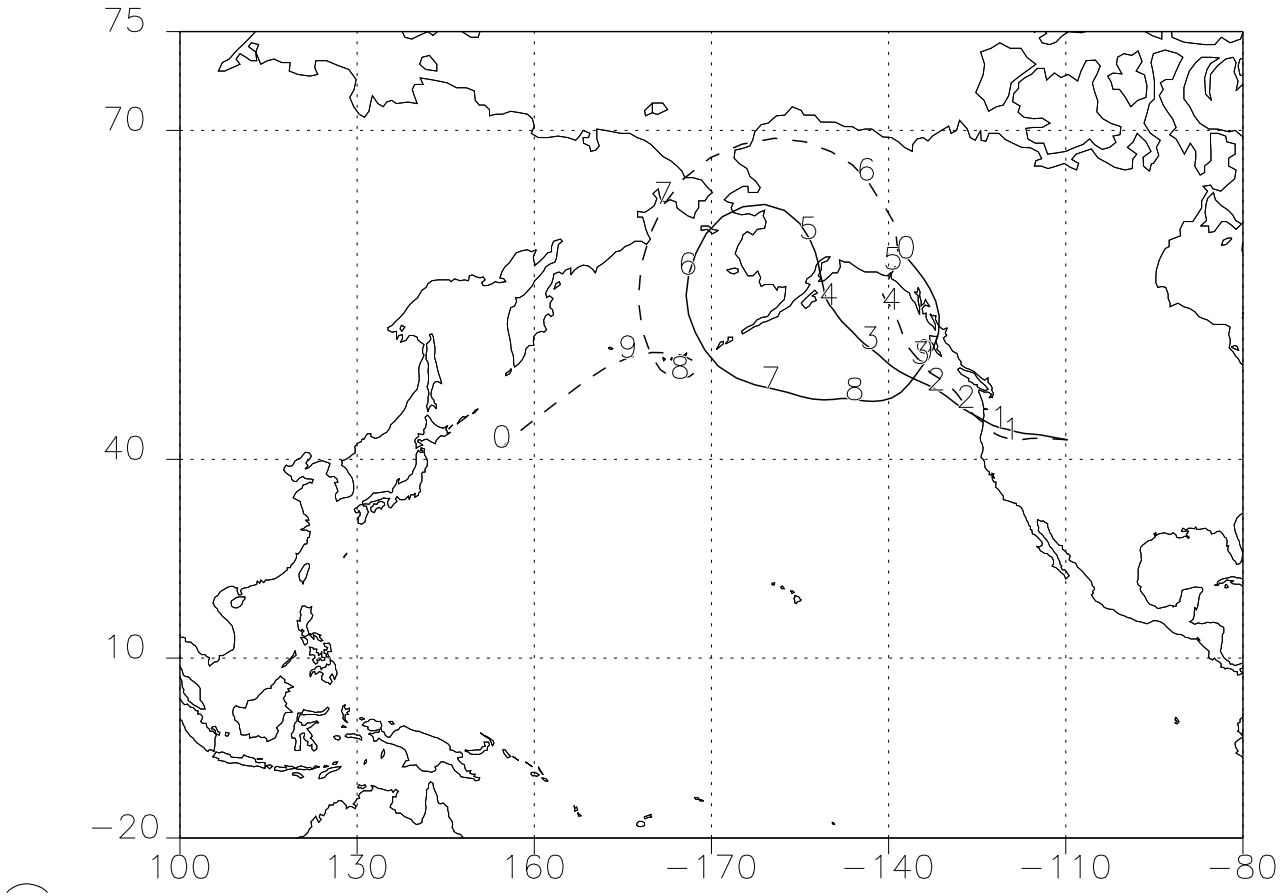
Day	km	hPa	C
0	2.4	754	−10
1	2.2	771	−9
2	2.9	700	−14
3	4.1	600	−19
4	4.7	547	−24
5	4.0	604	−15
6	3.7	637	−10
7	4.7	553	−20
8	6.1	460	−30
9	8.4	319	−52
10	8.2	321	−49

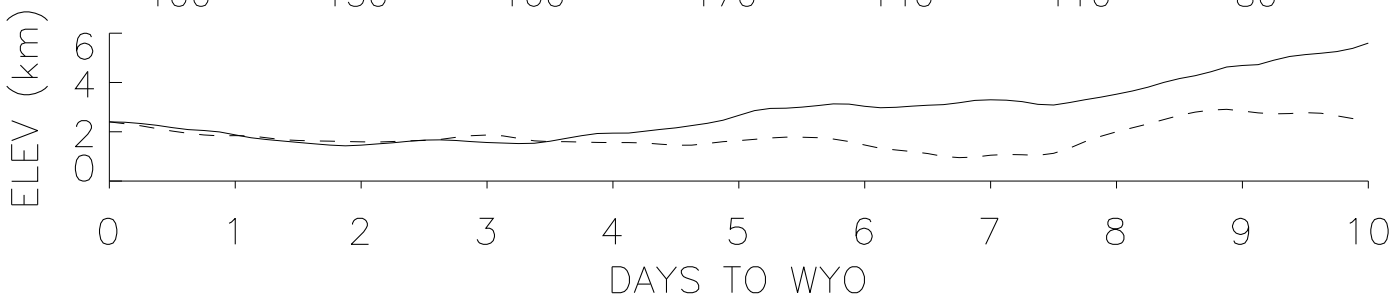
06UT

Day	km	hPa	C
0	2.4	754	−10
1	1.9	803	−8
2	2.0	794	−9
3	2.9	698	−14
4	4.8	530	−34
5	6.1	432	−45
6	6.1	428	−45

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/13/2005 (Day of Year 13)
NCEP/NCAR Reanalysis 1 Data Set





12UT

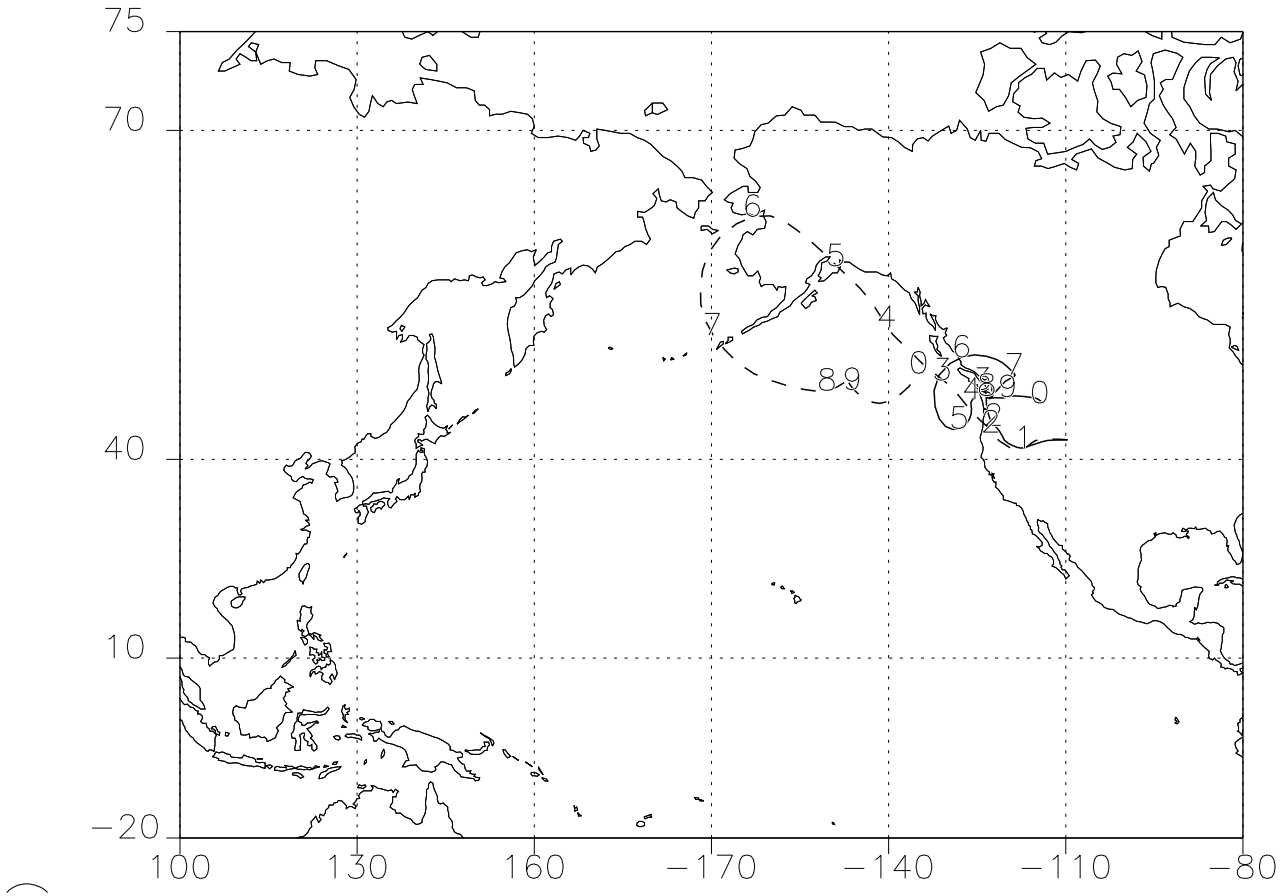
Day	km	hPa	C
0	2.4	756	−11
1	1.9	807	−7
2	1.5	848	−3
3	1.6	842	0
4	1.9	807	4
5	2.7	740	0
6	3.0	711	−1
7	3.3	689	−2
8	3.5	666	−2
9	4.7	572	−10
10	5.6	500	−20

18UT

Day	km	hPa	C
0	2.4	757	−11
1	1.8	815	−8
2	1.6	833	−4
3	1.9	806	−6
4	1.6	840	−2
5	1.6	832	−6
6	1.5	856	−7
7	1.0	902	0
8	2.0	811	−2
9	2.8	716	−10
10	2.5	749	−7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/14/2005 (Day of Year 14)
NCEP/NCAR Reanalysis 1 Data Set

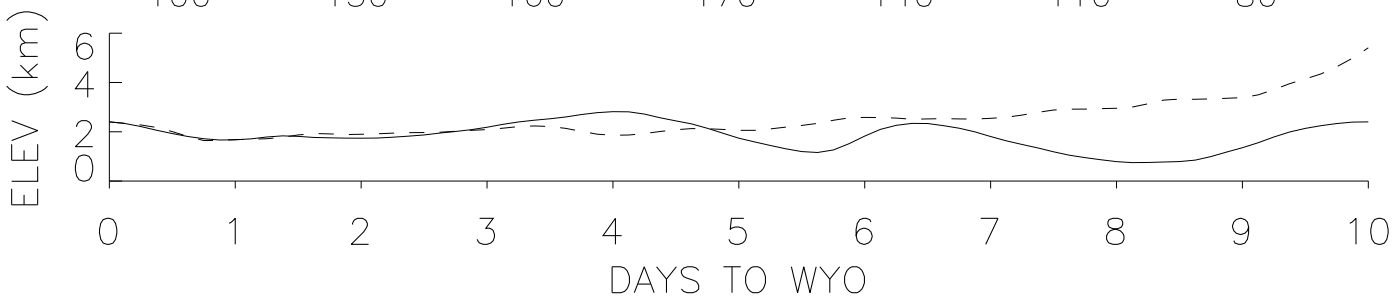


00UT

Day	km	hPa	C
0	2.4	758	−9
1	1.7	834	−4
2	1.7	818	−6
3	2.2	770	−10
4	2.8	707	−14
5	1.7	797	−8
6	1.8	790	−14
7	1.8	803	−11
8	0.8	929	−3
9	1.4	864	−8
10	2.4	757	−13

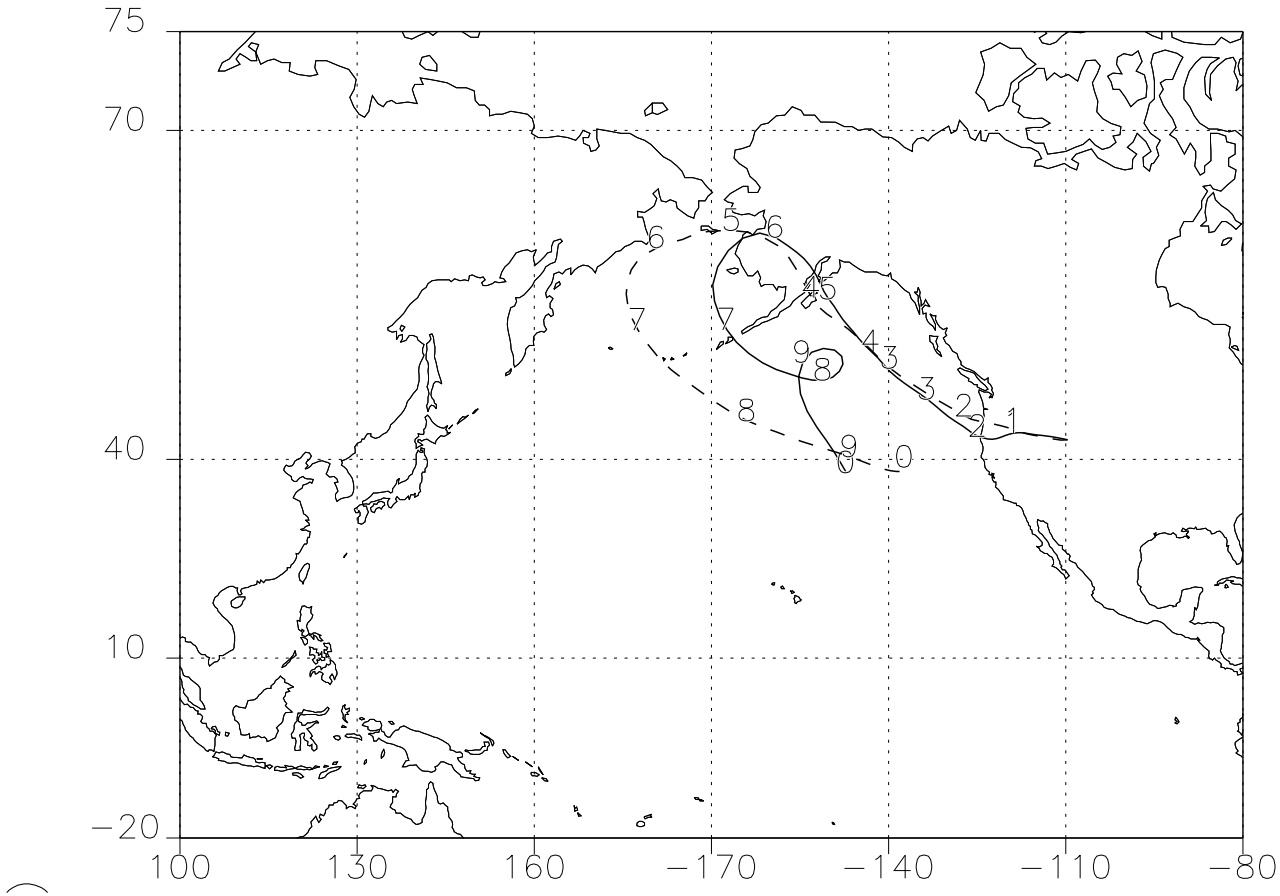
06UT

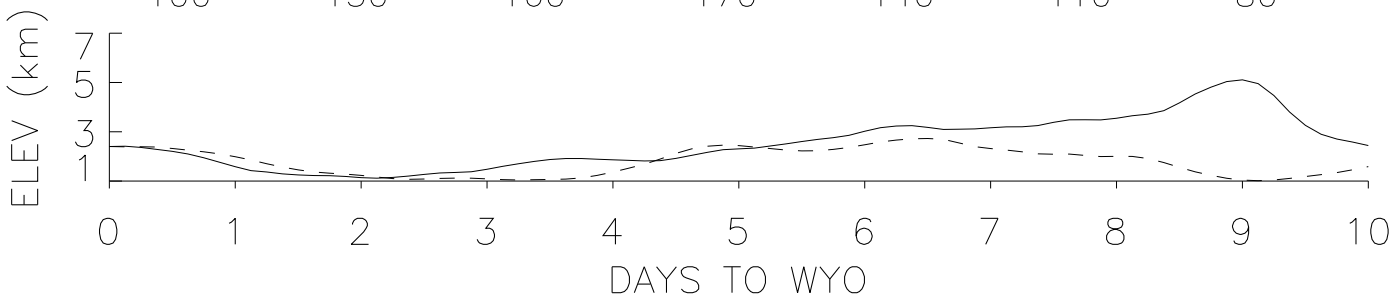
Day	km	hPa	C
0	2.4	759	−10
1	1.7	833	−6
2	1.9	805	−5
3	2.1	782	−7
4	1.9	809	−3
5	2.1	794	1
6	2.6	751	0
7	2.5	758	2
8	3.0	720	0
9	3.4	677	−1
10	5.4	520	−16



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/14/2005 (Day of Year 14)
NCEP/NCAR Reanalysis 1 Data Set





12UT

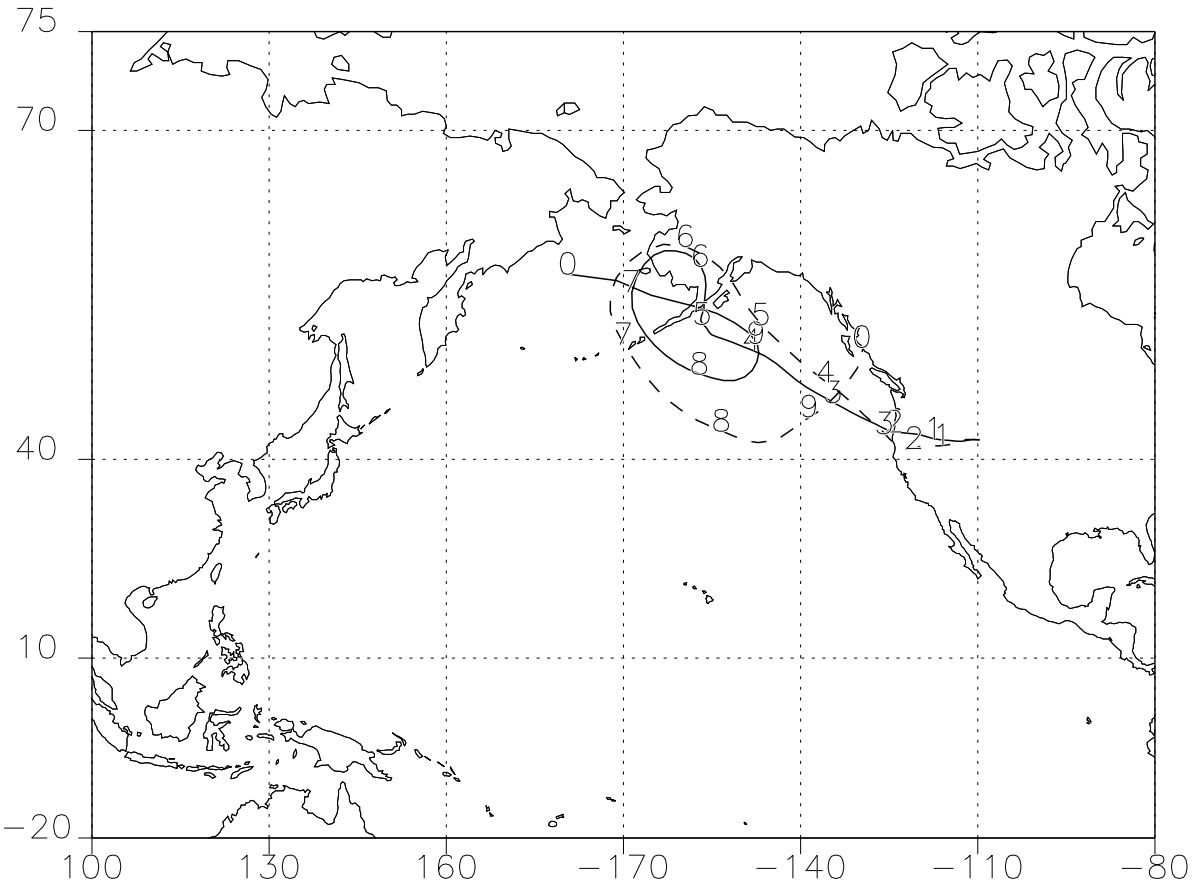
Day	km	hPa	C
0	2.4	760	−10
1	1.6	843	−6
2	1.1	890	−2
3	1.5	848	−2
4	1.9	811	−1
5	2.3	772	2
6	3.0	710	−1
7	3.2	704	−2
8	3.5	671	−3
9	5.1	540	−15
10	2.4	754	4

18UT

Day	km	hPa	C
0	2.4	762	−9
1	2.0	801	−7
2	1.2	879	−1
3	1.1	889	3
4	1.4	859	3
5	2.4	756	−10
6	2.5	751	−10
7	2.3	767	−5
8	2.0	799	−1
9	1.0	896	6
10	1.6	843	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/15/2005 (Day of Year 15)
NCEP/NCAR Reanalysis 1 Data Set

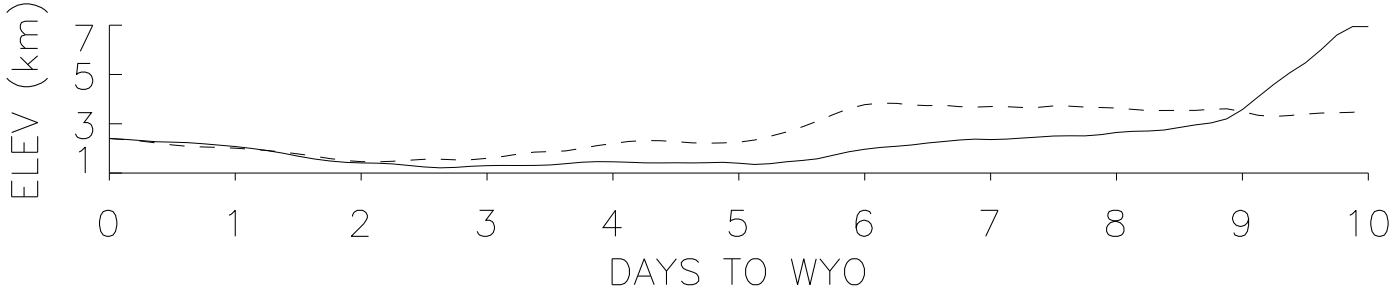


00UT

Day	km	hPa	C
0	2.4	762	−7
1	2.1	793	−4
2	1.4	861	−1
3	1.3	869	0
4	1.5	854	2
5	1.4	864	8
6	2.0	808	3
7	2.4	776	1
8	2.6	752	0
9	3.6	665	−6
10	6.9	394	−46

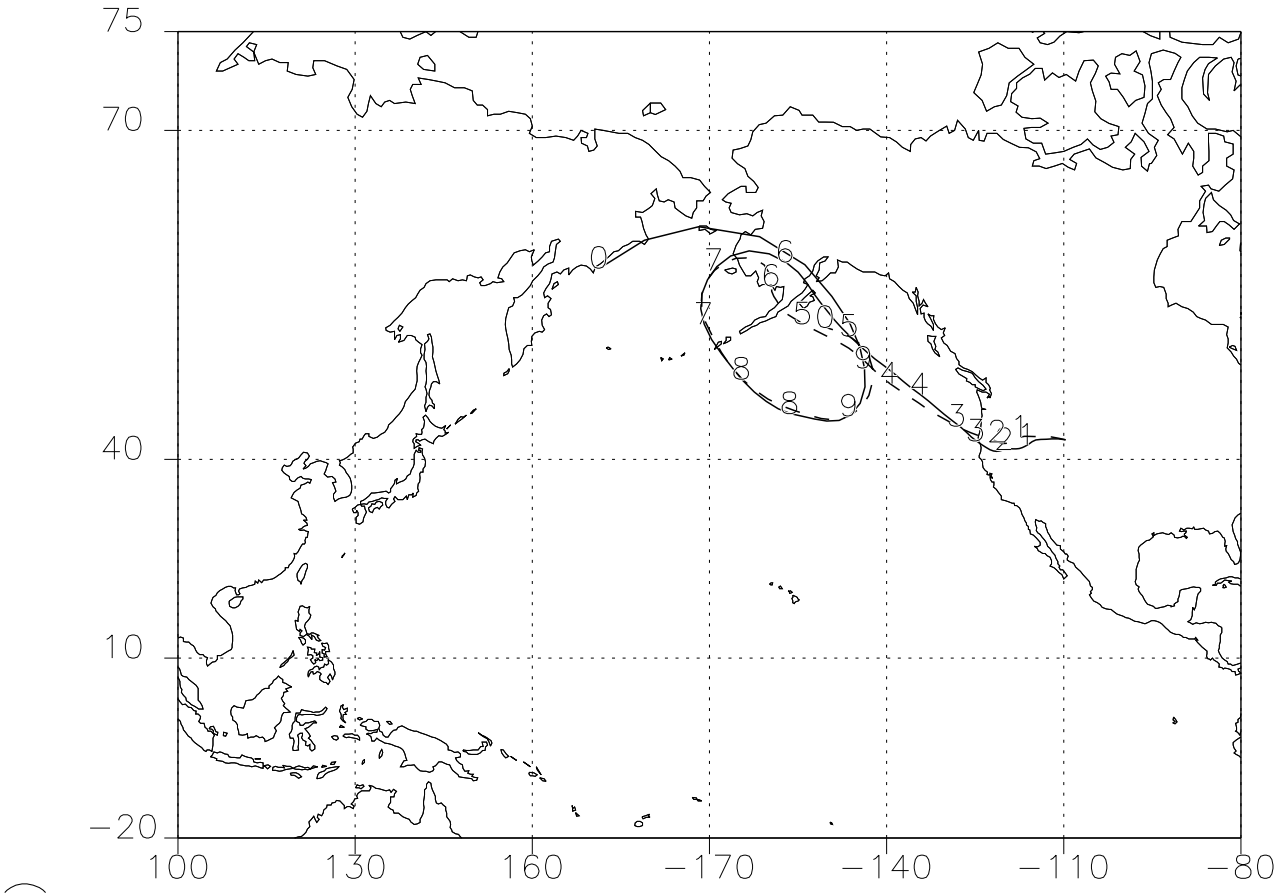
06UT

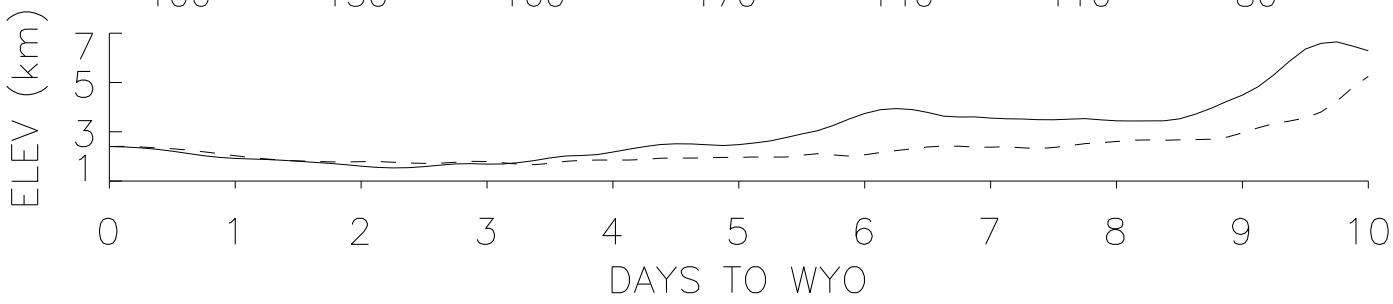
Day	km	hPa	C
0	2.4	763	−10
1	2.0	801	−6
2	1.5	857	−2
3	1.6	839	−2
4	2.2	774	−5
5	2.3	773	−1
6	3.8	641	−11
7	3.7	650	−9
8	3.6	656	−6
9	3.5	667	−2
10	3.5	663	−1



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/15/2005 (Day of Year 15)
NCEP/NCAR Reanalysis 1 Data Set





12UT

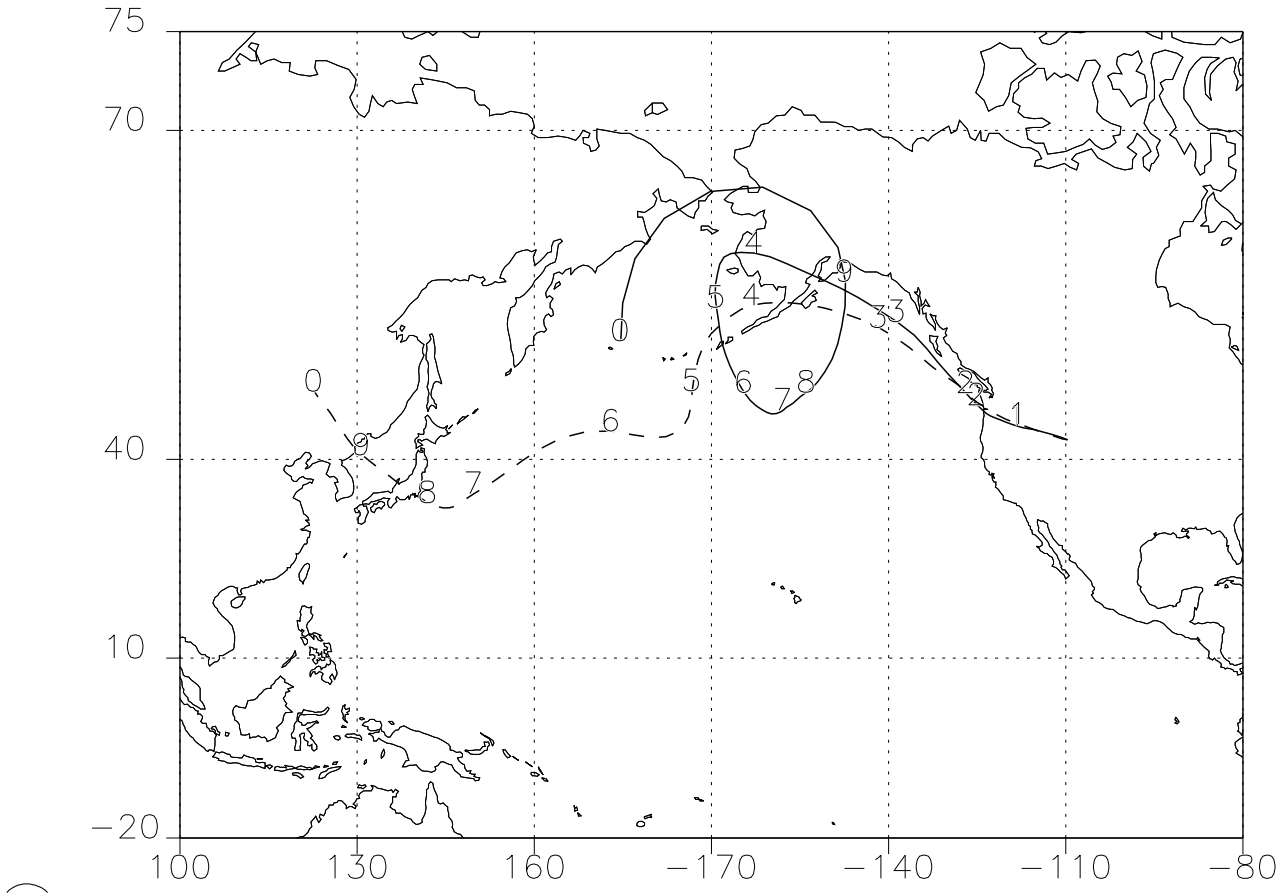
Day	km	hPa	C
0	2.4	764	−9
1	1.9	810	−5
2	1.6	842	−4
3	1.7	831	−3
4	2.2	776	−4
5	2.5	751	−2
6	3.7	643	−11
7	3.6	662	−8
8	3.4	675	−4
9	4.5	592	−11
10	6.3	439	−32

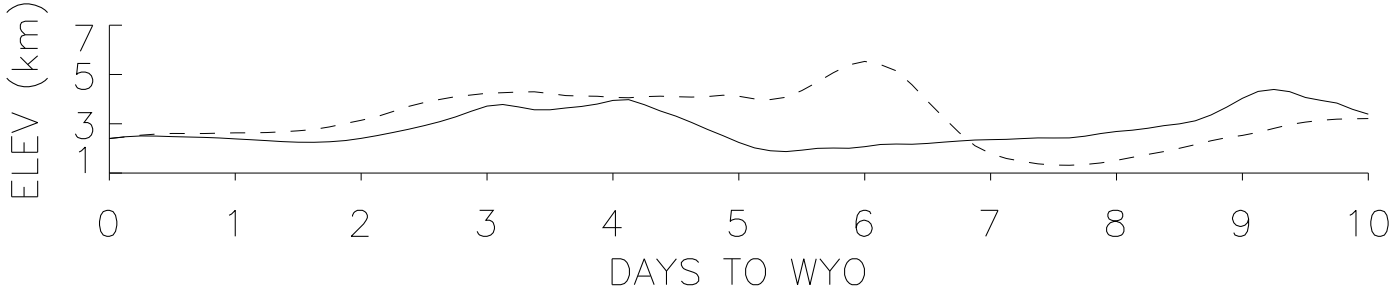
18UT

Day	km	hPa	C
0	2.4	767	−8
1	2.0	799	−5
2	1.8	824	−2
3	1.8	822	−2
4	1.9	811	1
5	2.0	802	3
6	2.1	797	2
7	2.4	769	−2
8	2.6	749	−2
9	3.0	717	−1
10	5.2	530	−18

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/16/2005 (Day of Year 16)
NCEP/NCAR Reanalysis 1 Data Set





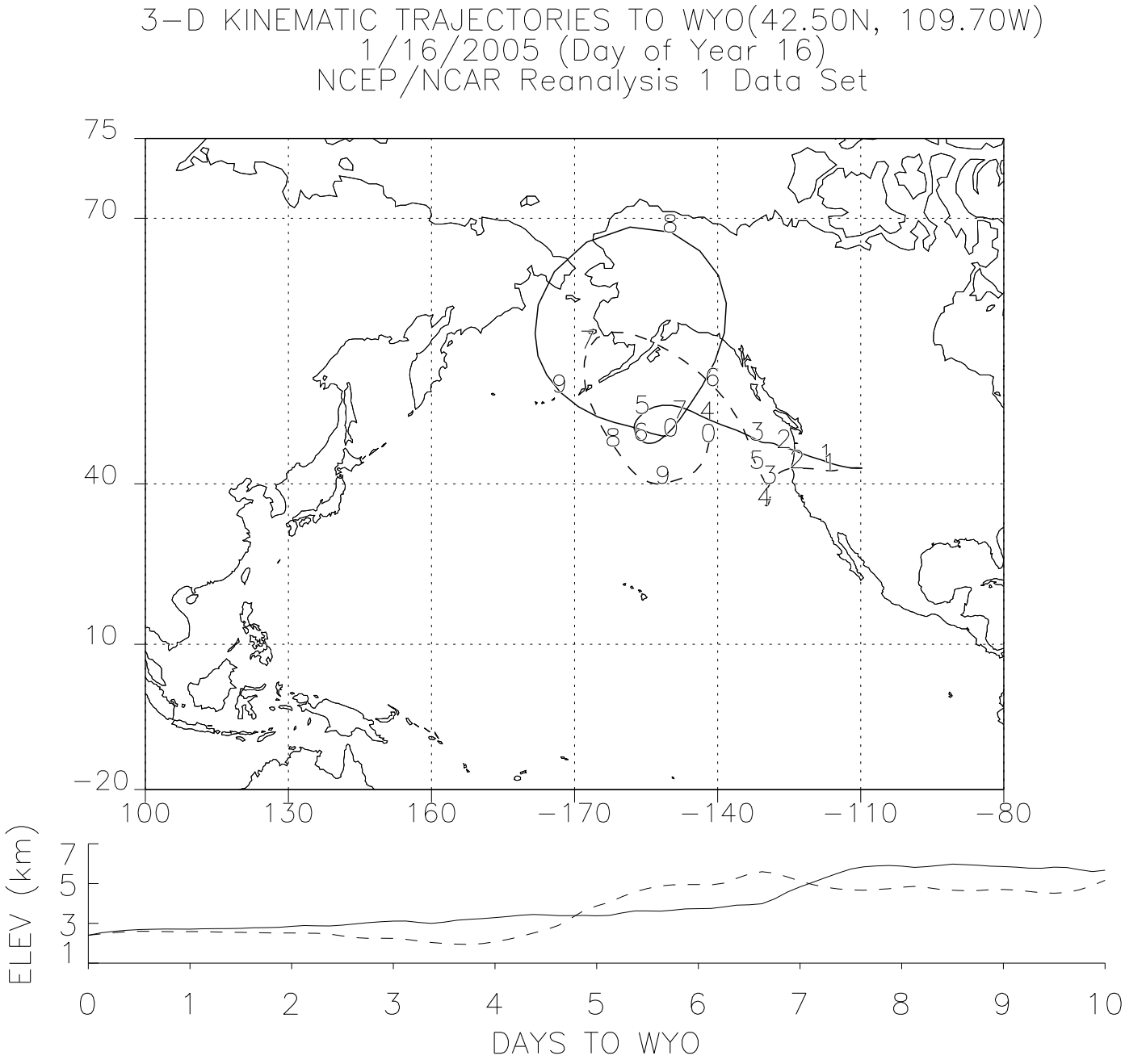
00UT

Day	km	hPa	C
0	2.4	768	−5
1	2.4	763	−5
2	2.4	760	−6
3	3.7	631	−20
4	3.9	608	−23
5	2.2	770	−3
6	2.1	794	2
7	2.4	769	2
8	2.7	742	1
9	4.0	627	−9
10	3.4	668	−5

06UT

Day	km	hPa	C
0	2.4	769	−6
1	2.6	741	−7
2	3.1	691	−10
3	4.2	594	−17
4	4.1	604	−16
5	4.1	602	−14
6	5.5	491	−27
7	1.8	809	−1
8	1.5	841	−4
9	2.5	732	−22
10	3.2	664	−29

00UT − solid
06UT − dashed



12UT

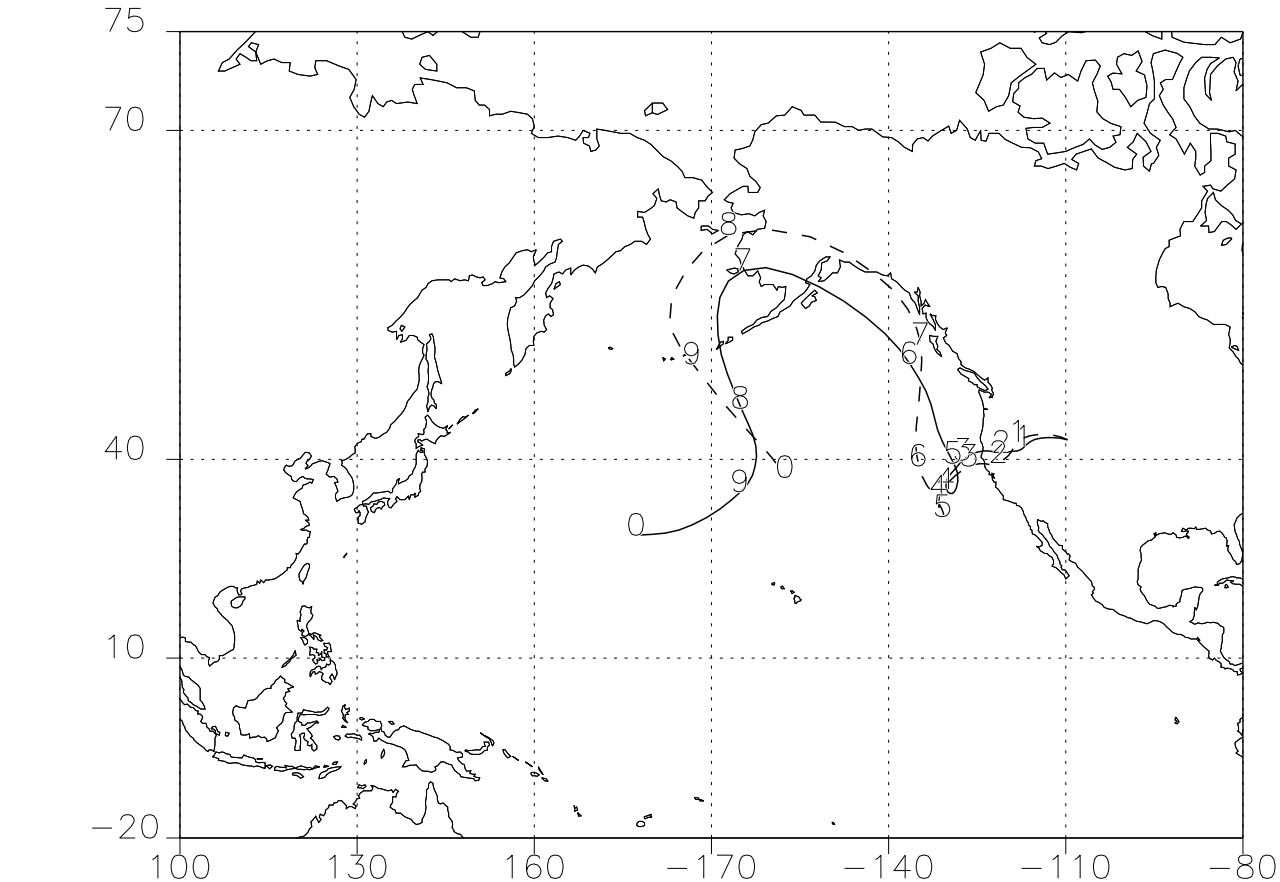
Day	km	hPa	C
0	2.4	767	−3
1	2.7	735	−5
2	2.8	720	−5
3	3.1	695	−6
4	3.3	678	−8
5	3.4	673	−6
6	3.7	646	−7
7	4.8	558	−14
8	5.9	479	−24
9	5.9	492	−19
10	5.7	508	−18

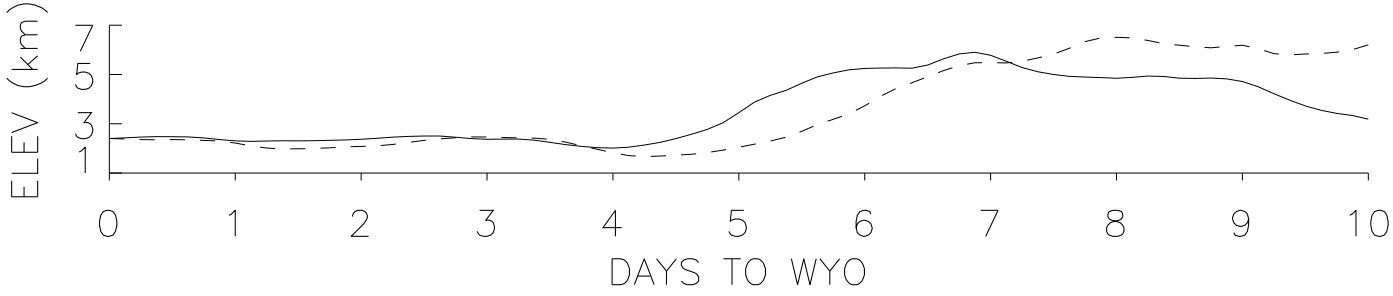
18UT

Day	km	hPa	C
0	2.4	768	−3
1	2.6	750	−2
2	2.5	753	−1
3	2.2	779	2
4	2.1	799	4
5	3.9	628	−11
6	5.0	540	−21
7	5.1	536	−20
8	4.8	560	−15
9	4.7	569	−12
10	5.2	539	−15

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/17/2005 (Day of Year 17)
NCEP/NCAR Reanalysis 1 Data Set





00UT

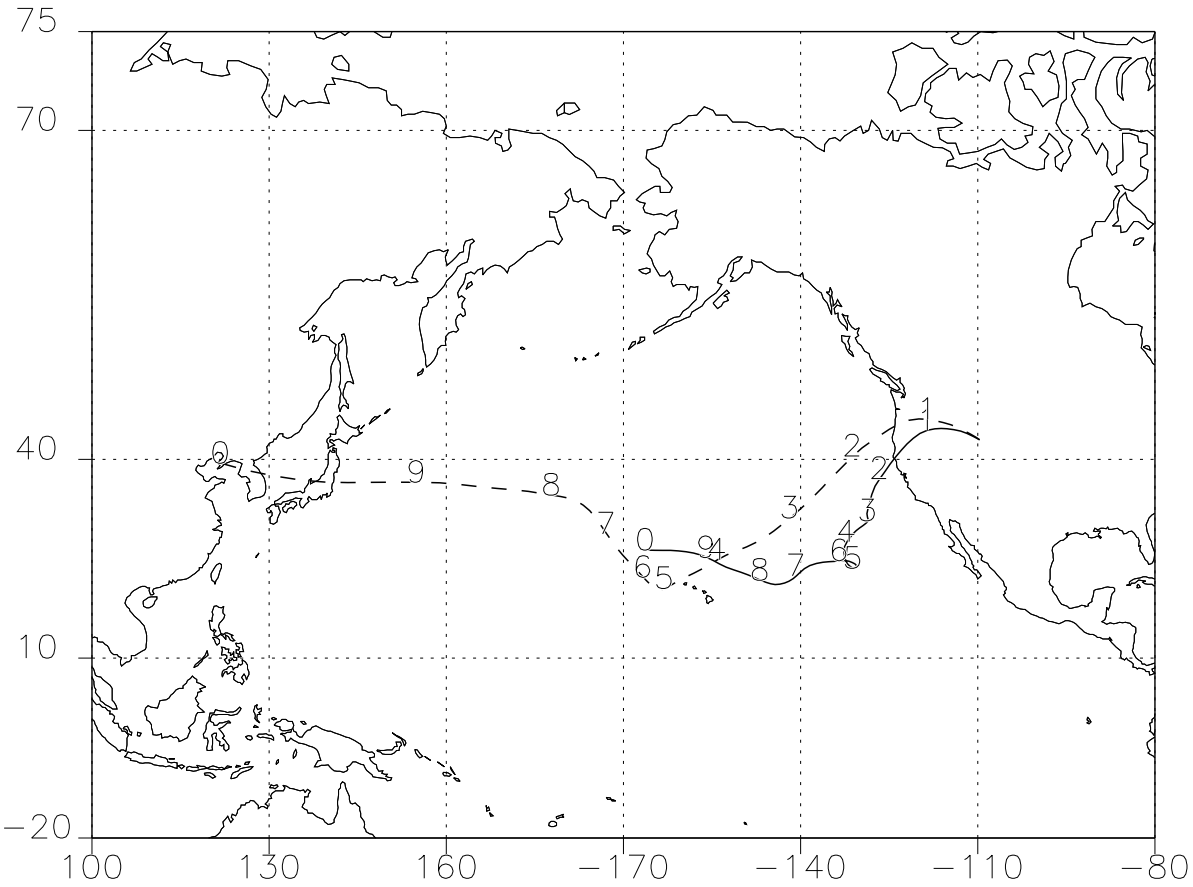
Day	km	hPa	C
0	2.4	766	0
1	2.3	777	0
2	2.4	768	0
3	2.4	766	1
4	2.0	803	5
5	3.4	665	−7
6	5.2	518	−24
7	5.8	489	−27
8	4.8	556	−16
9	4.7	563	−14
10	3.2	685	1

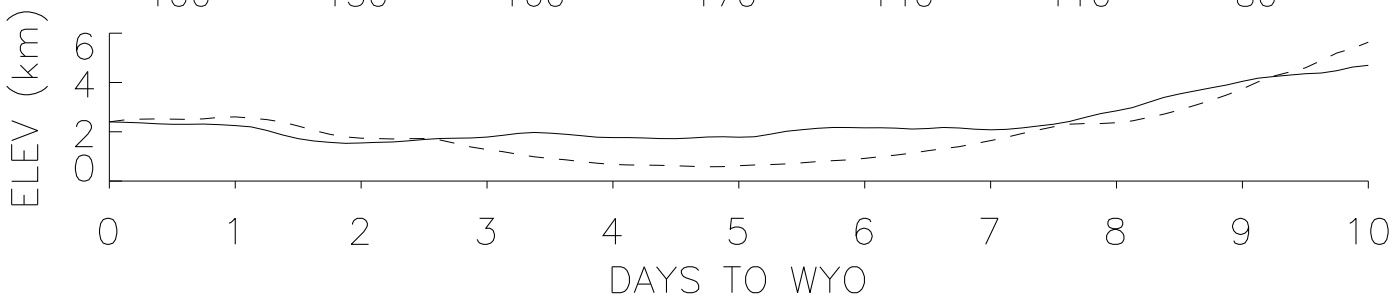
06UT

Day	km	hPa	C
0	2.4	767	−1
1	2.2	786	0
2	2.1	798	3
3	2.5	758	1
4	1.8	821	5
5	2.0	799	4
6	3.7	640	−10
7	5.5	501	−24
8	6.5	440	−32
9	6.2	461	−27
10	6.2	459	−31

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/17/2005 (Day of Year 17)
NCEP/NCAR Reanalysis 1 Data Set





12UT

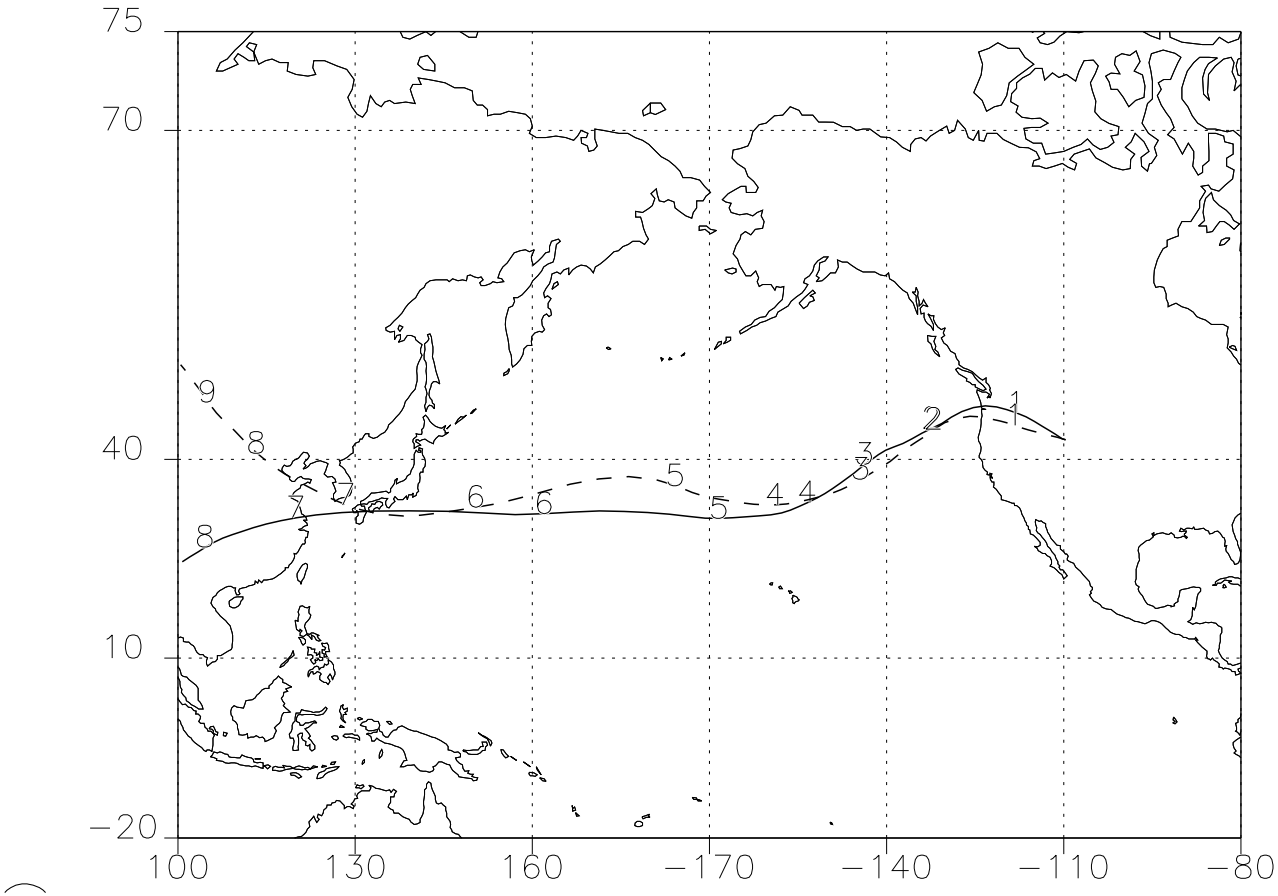
Day	km	hPa	C
0	2.4	767	−2
1	2.3	780	−2
2	1.5	850	9
3	1.8	826	9
4	1.8	829	10
5	1.8	828	13
6	2.2	789	10
7	2.1	794	11
8	2.8	722	6
9	4.0	622	−3
10	4.7	571	−8

18UT

Day	km	hPa	C
0	2.4	768	−3
1	2.6	746	−4
2	1.7	825	5
3	1.3	865	12
4	0.7	930	15
5	0.6	940	17
6	0.9	908	13
7	1.6	832	3
8	2.4	757	−2
9	3.7	627	−14
10	5.6	485	−29

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/18/2005 (Day of Year 18)
NCEP/NCAR Reanalysis 1 Data Set

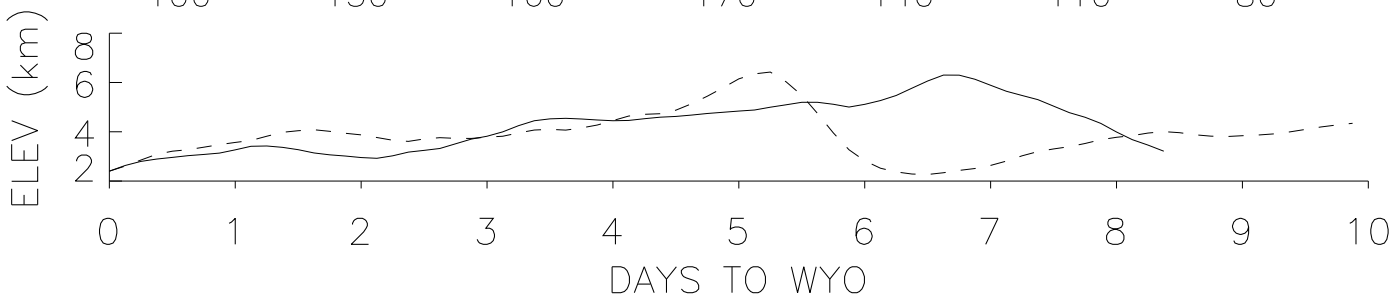


00UT

Day	km	hPa	C
0	2.4	768	0
1	3.3	686	−7
2	3.0	706	−4
3	3.8	627	−7
4	4.4	577	−10
5	4.8	550	−14
6	5.1	530	−15
7	5.9	481	−22
8	4.0	621	−7

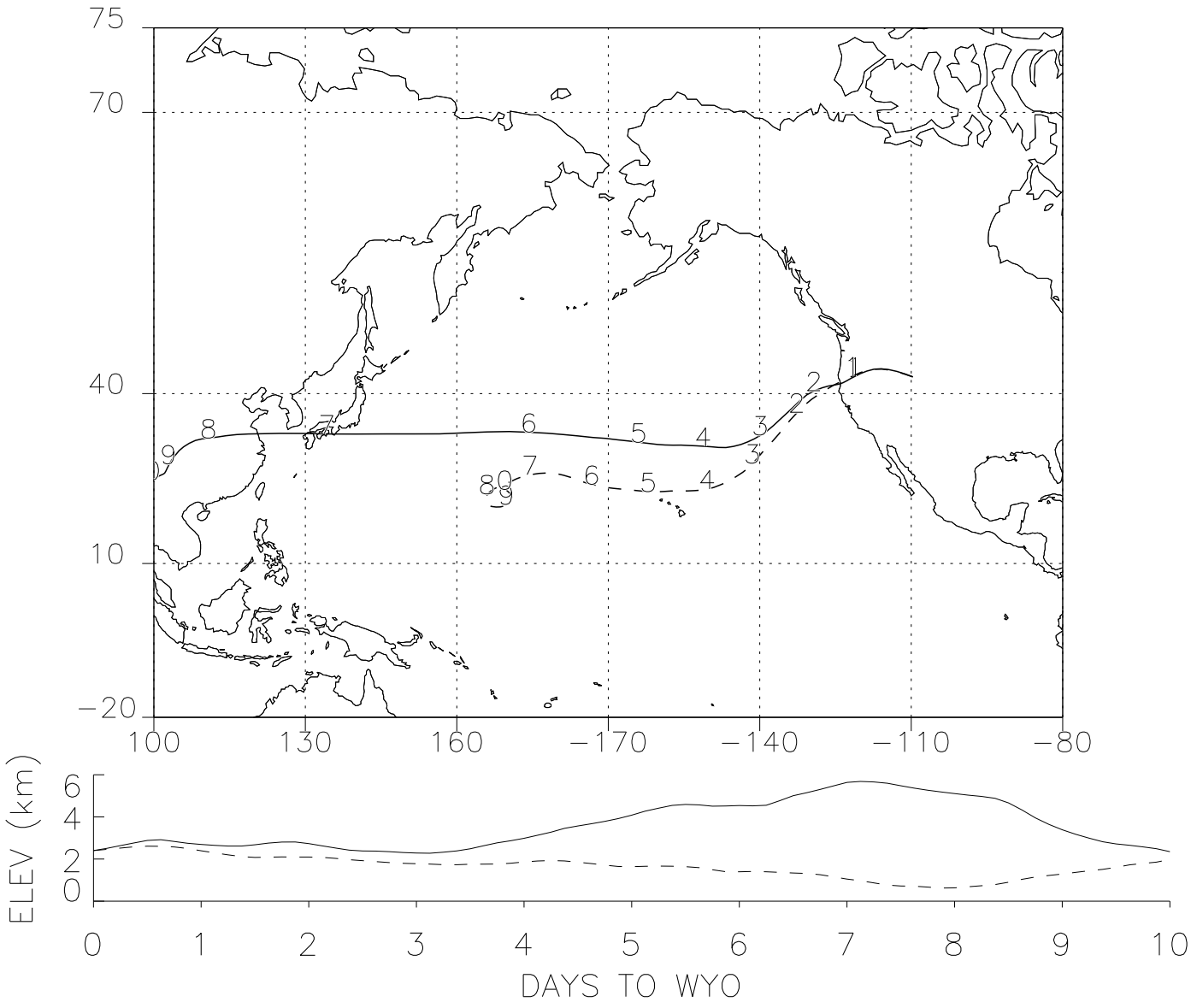
06UT

Day	km	hPa	C
0	2.4	768	−1
1	3.6	663	−6
2	3.9	630	−10
3	3.8	634	−5
4	4.5	577	−11
5	6.1	454	−27
6	2.8	706	−5
7	2.6	731	−10
8	3.8	630	−19
9	3.8	625	−19



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/18/2005 (Day of Year 18)
NCEP/NCAR Reanalysis 1 Data Set



12UT

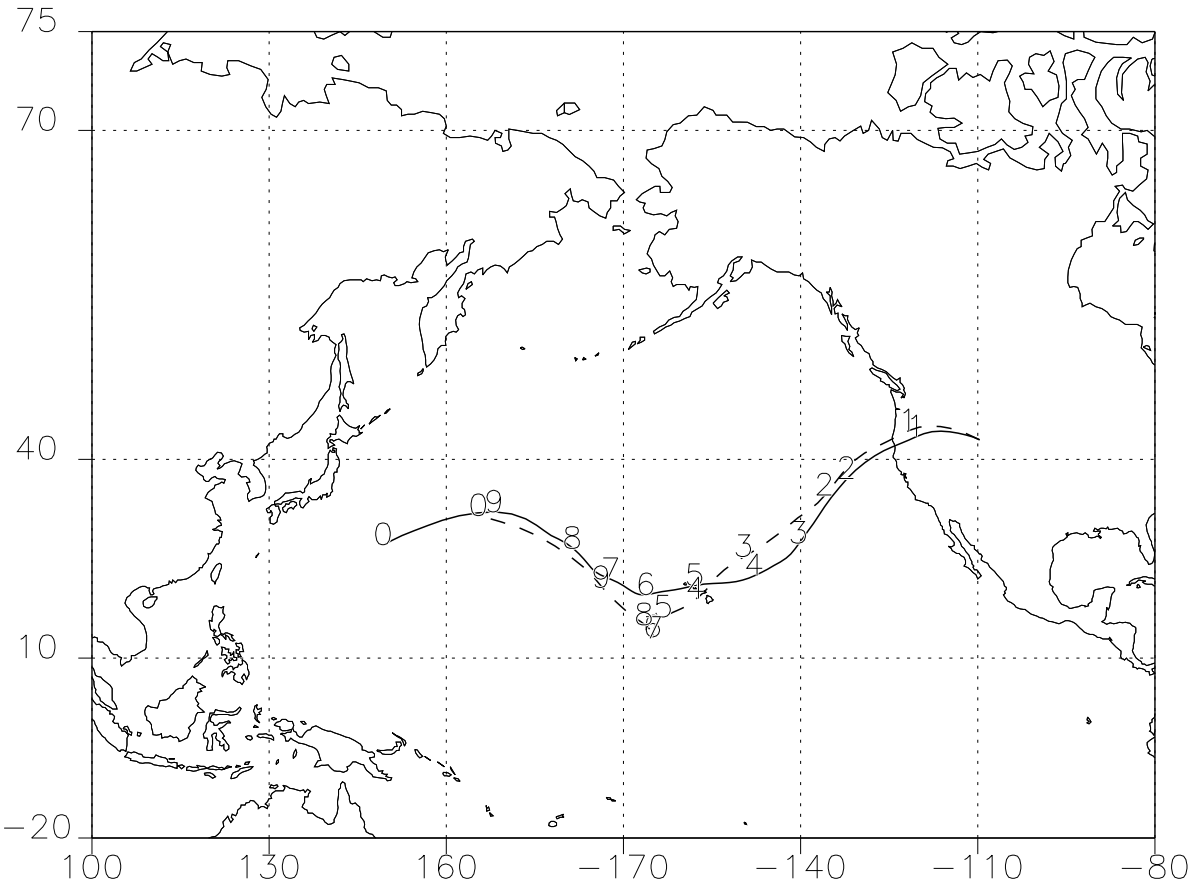
Day	km	hPa	C
0	2.4	767	2
1	2.7	740	1
2	2.7	735	2
3	2.3	771	7
4	3.0	700	4
5	4.1	605	−8
6	4.5	569	−14
7	5.6	489	−23
8	5.1	534	−18
9	3.4	670	−3
10	2.3	766	6

18UT

Day	km	hPa	C
0	2.4	768	1
1	2.4	768	4
2	2.1	798	8
3	1.8	824	11
4	1.9	813	10
5	1.6	831	10
6	1.4	855	15
7	1.0	893	16
8	0.6	943	19
9	1.3	874	14
10	2.0	801	9

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/19/2005 (Day of Year 19)
NCEP/NCAR Reanalysis 1 Data Set



00UT

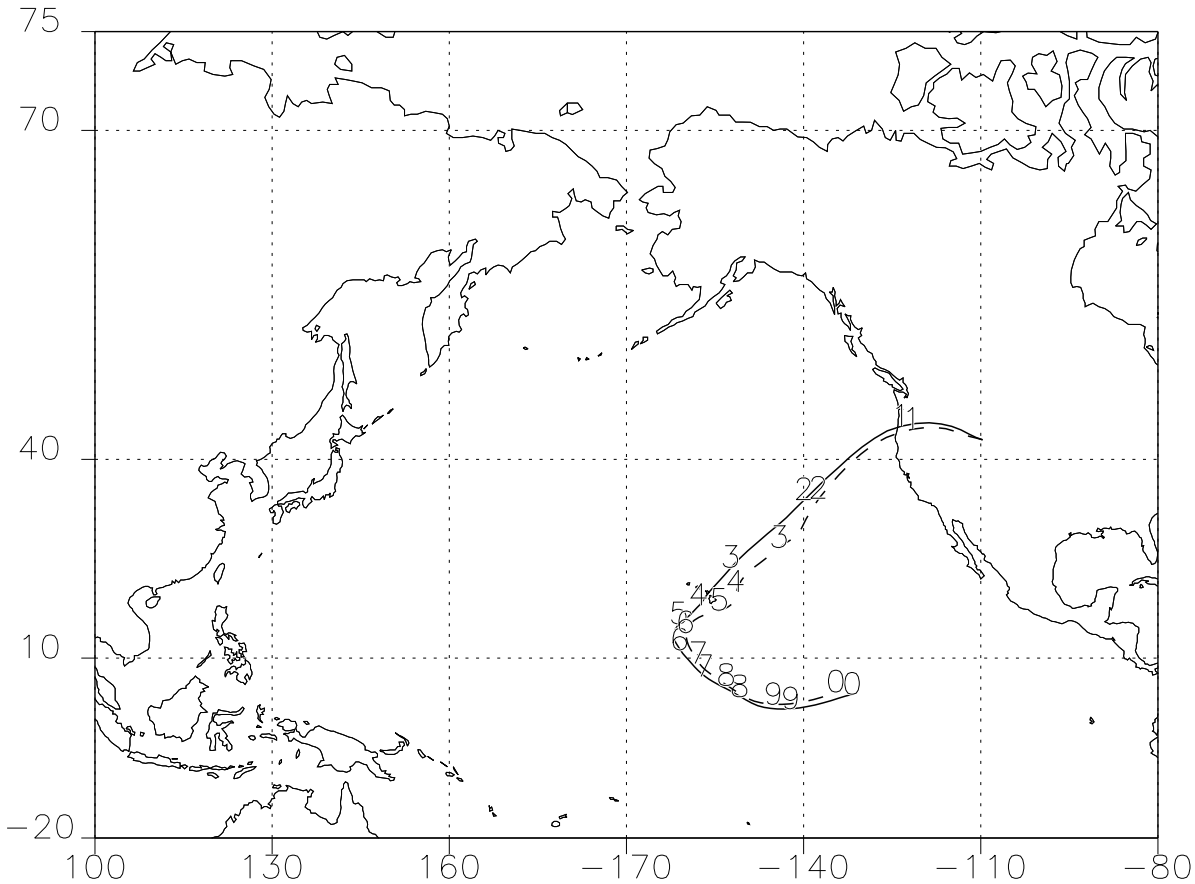
Day	km	hPa	C
0	2.4	769	3
1	2.3	775	3
2	1.9	816	9
3	1.6	847	13
4	1.5	847	13
5	1.5	846	12
6	1.5	849	13
7	2.1	789	10
8	2.5	754	6
9	3.4	667	−4
10	2.2	778	7

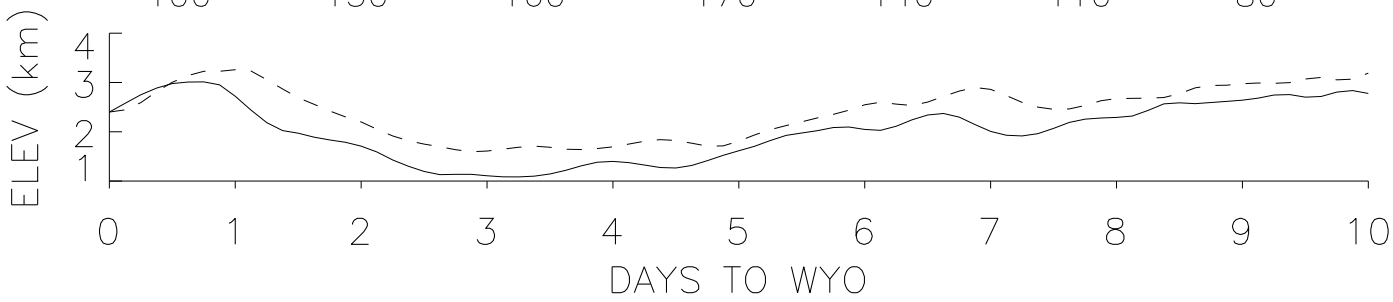
06UT

Day	km	hPa	C
0	2.4	771	2
1	2.2	784	5
2	1.5	853	14
3	1.3	874	15
4	1.4	855	14
5	1.9	811	13
6	2.5	755	12
7	2.6	747	12
8	3.5	670	5
9	4.9	558	−8
10	6.0	476	−19

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/19/2005 (Day of Year 19)
NCEP/NCAR Reanalysis 1 Data Set





12UT

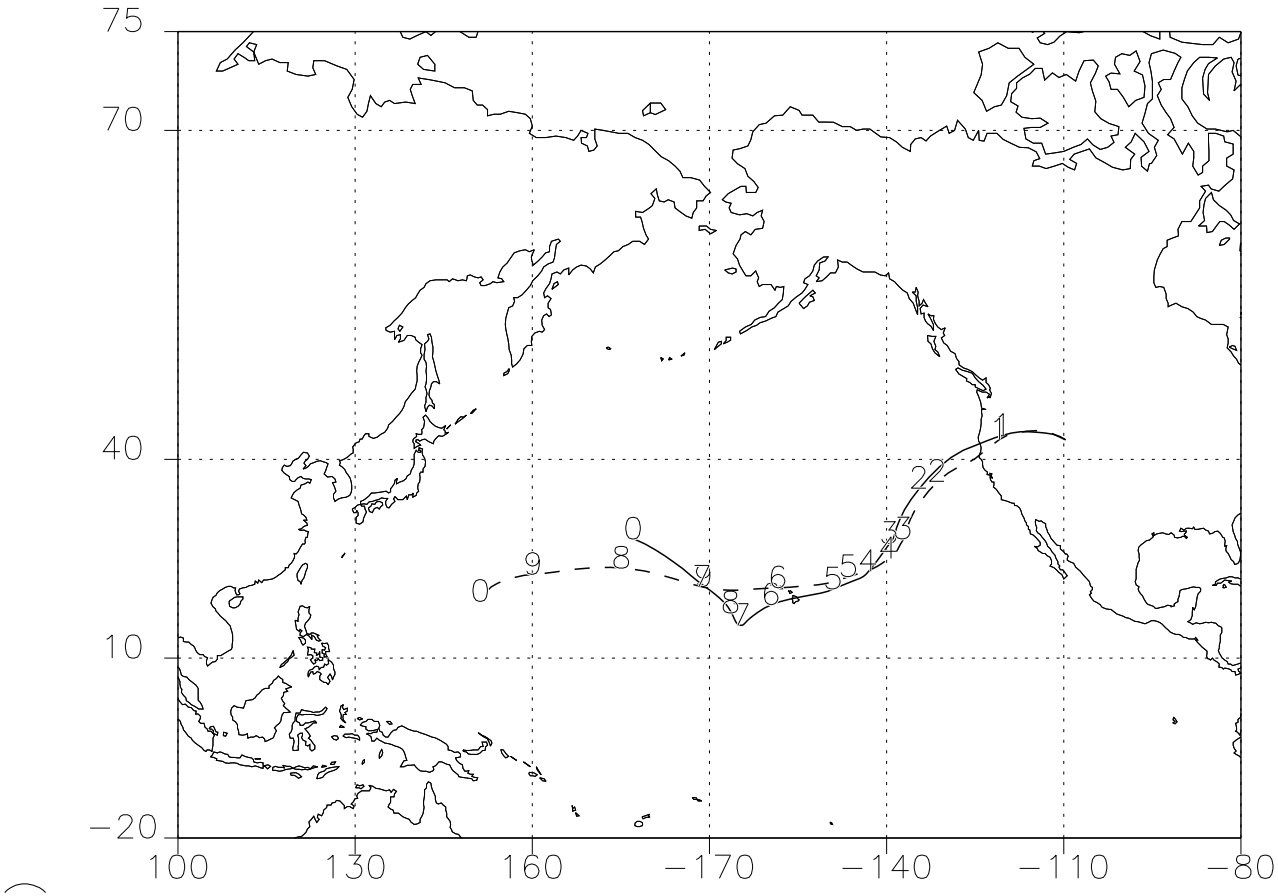
Day	km	hPa	C
0	2.4	770	3
1	2.7	737	3
2	1.7	831	13
3	1.1	892	17
4	1.4	860	14
5	1.6	839	15
6	2.0	796	14
7	2.0	799	15
8	2.3	773	13
9	2.6	741	11
10	2.8	728	11

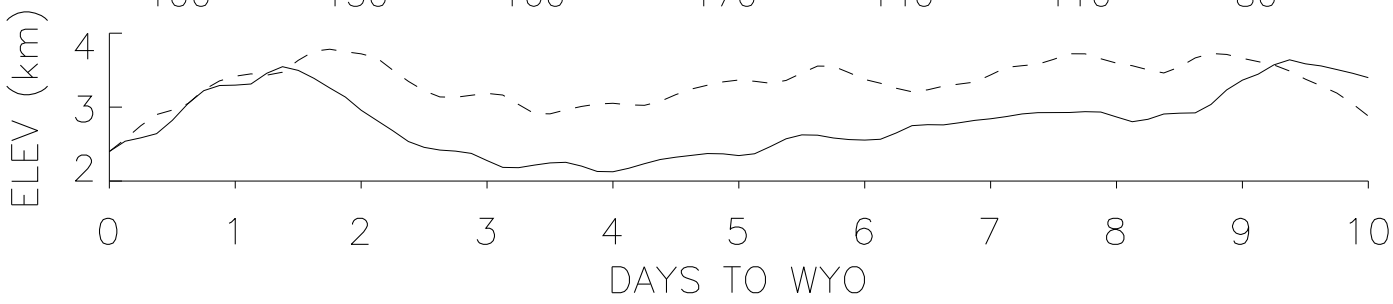
18UT

Day	km	hPa	C
0	2.4	770	4
1	3.3	692	2
2	2.2	786	10
3	1.6	844	13
4	1.7	832	14
5	1.8	821	13
6	2.5	751	11
7	2.9	723	10
8	2.7	740	12
9	3.0	713	10
10	3.2	697	10

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/20/2005 (Day of Year 20)
NCEP/NCAR Reanalysis 1 Data Set





00UT

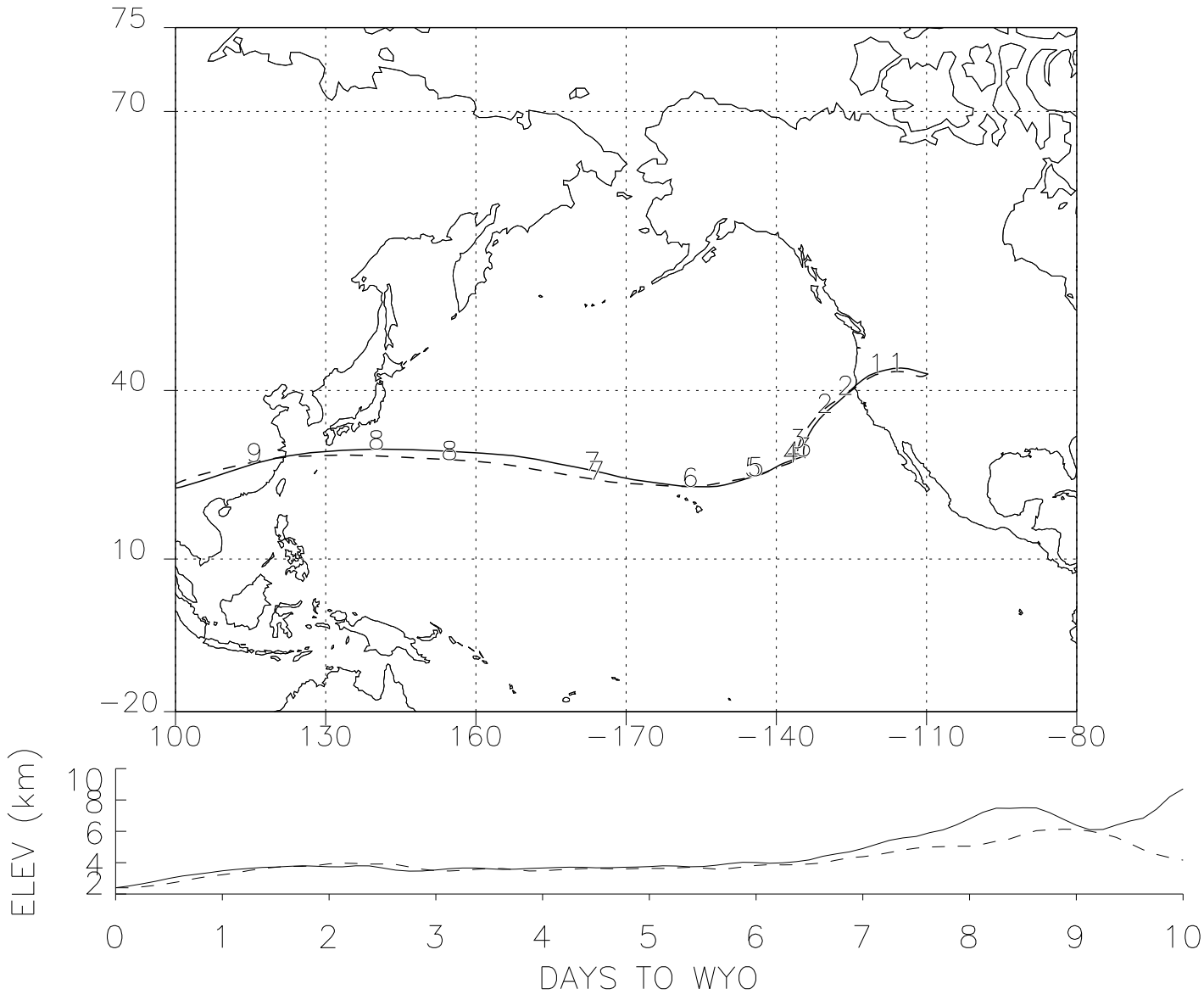
Day	km	hPa	C
0	2.4	769	7
1	3.3	691	2
2	3.0	717	6
3	2.3	781	11
4	2.1	793	12
5	2.3	768	10
6	2.6	747	10
7	2.8	722	10
8	2.9	721	9
9	3.4	676	2
10	3.4	673	−2

06UT

Day	km	hPa	C
0	2.4	769	5
1	3.4	681	4
2	3.7	656	3
3	3.2	701	7
4	3.1	711	7
5	3.4	680	5
6	3.4	676	4
7	3.4	670	4
8	3.6	658	3
9	3.7	656	5
10	2.9	722	12

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/20/2005 (Day of Year 20)
NCEP/NCAR Reanalysis 1 Data Set



12UT

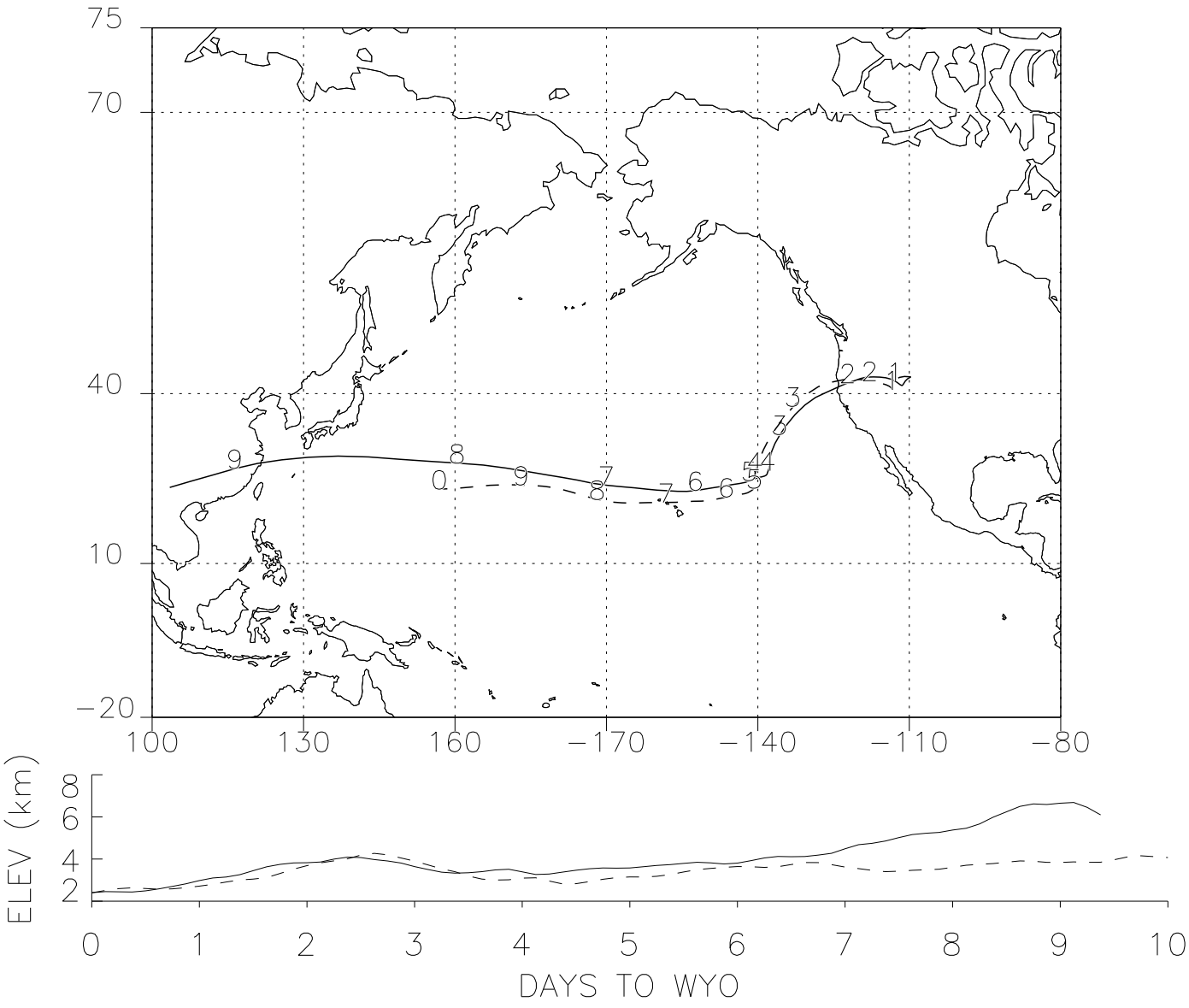
Day	km	hPa	C
0	2.4	767	7
1	3.5	675	3
2	3.7	656	4
3	3.5	673	6
4	3.7	661	3
5	3.8	648	2
6	4.0	623	1
7	4.9	554	−8
8	6.8	426	−21
9	6.4	459	−16
10	8.7	328	−37

18UT

Day	km	hPa	C
0	2.4	766	5
1	3.2	697	5
2	3.9	640	2
3	3.5	676	7
4	3.5	676	5
5	3.6	658	3
6	3.8	638	3
7	4.4	593	−3
8	5.1	541	−8
9	6.1	471	−19
10	4.2	613	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/21/2005 (Day of Year 21)
NCEP/NCAR Reanalysis 1 Data Set



00UT

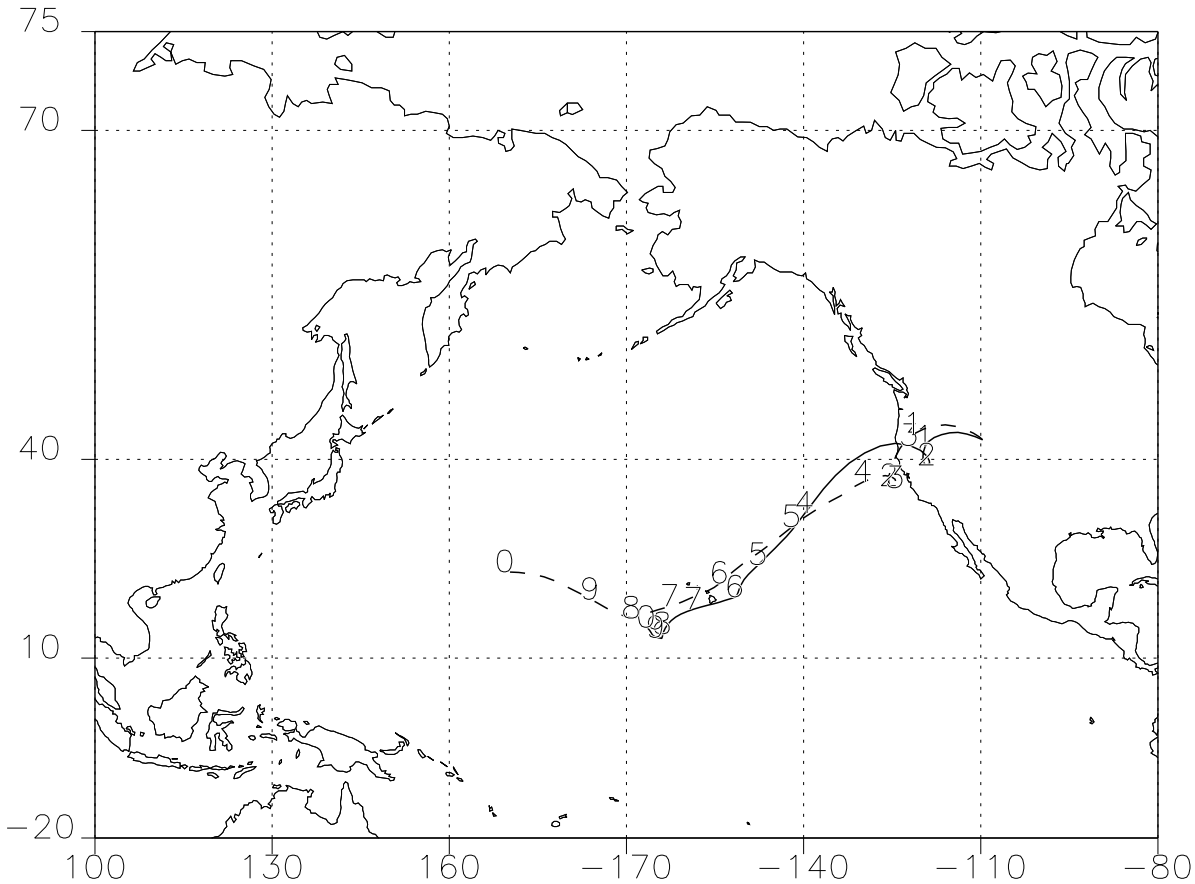
Day	km	hPa	C
0	2.4	763	7
1	3.0	717	6
2	3.8	647	1
3	3.6	661	3
4	3.4	683	8
5	3.6	665	4
6	3.8	641	2
7	4.5	585	−3
8	5.4	519	−9
9	6.7	439	−22

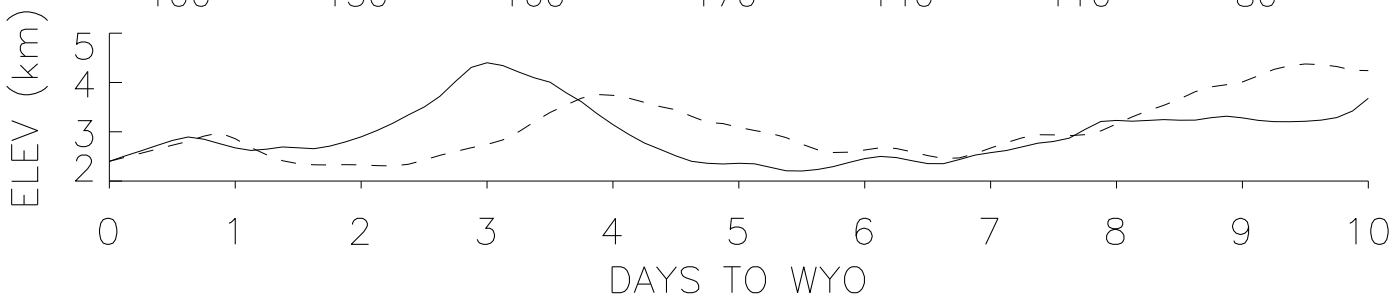
06UT

Day	km	hPa	C
0	2.4	762	3
1	2.7	741	7
2	3.7	660	2
3	3.9	638	1
4	3.1	708	8
5	3.1	703	8
6	3.6	658	3
7	3.6	655	3
8	3.6	656	3
9	3.8	639	2
10	4.1	623	3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/21/2005 (Day of Year 21)
NCEP/NCAR Reanalysis 1 Data Set





12UT

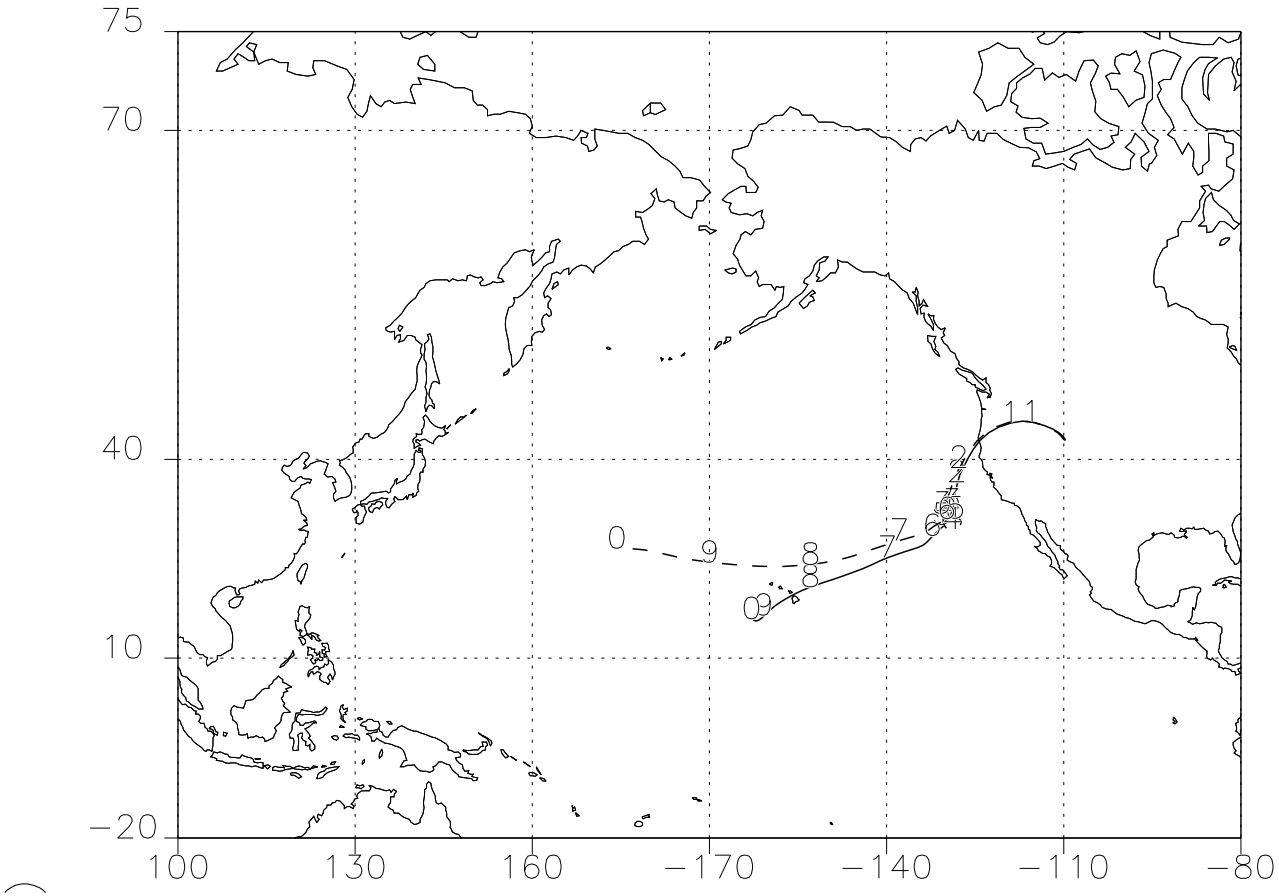
Day	km	hPa	C
0	2.4	762	3
1	2.7	740	5
2	2.9	725	7
3	4.4	601	−5
4	3.1	701	6
5	2.4	771	12
6	2.5	760	11
7	2.6	747	10
8	3.2	691	9
9	3.3	686	9
10	3.7	654	5

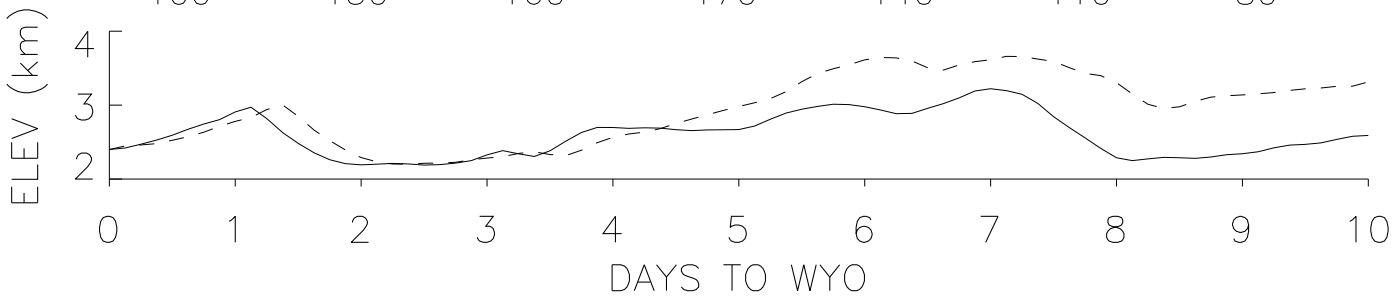
18UT

Day	km	hPa	C
0	2.4	763	0
1	2.9	720	3
2	2.3	777	12
3	2.7	741	10
4	3.7	655	3
5	3.1	705	9
6	2.6	742	12
7	2.7	738	10
8	3.2	696	7
9	4.0	626	1
10	4.2	609	0

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/22/2005 (Day of Year 22)
NCEP/NCAR Reanalysis 1 Data Set





00UT

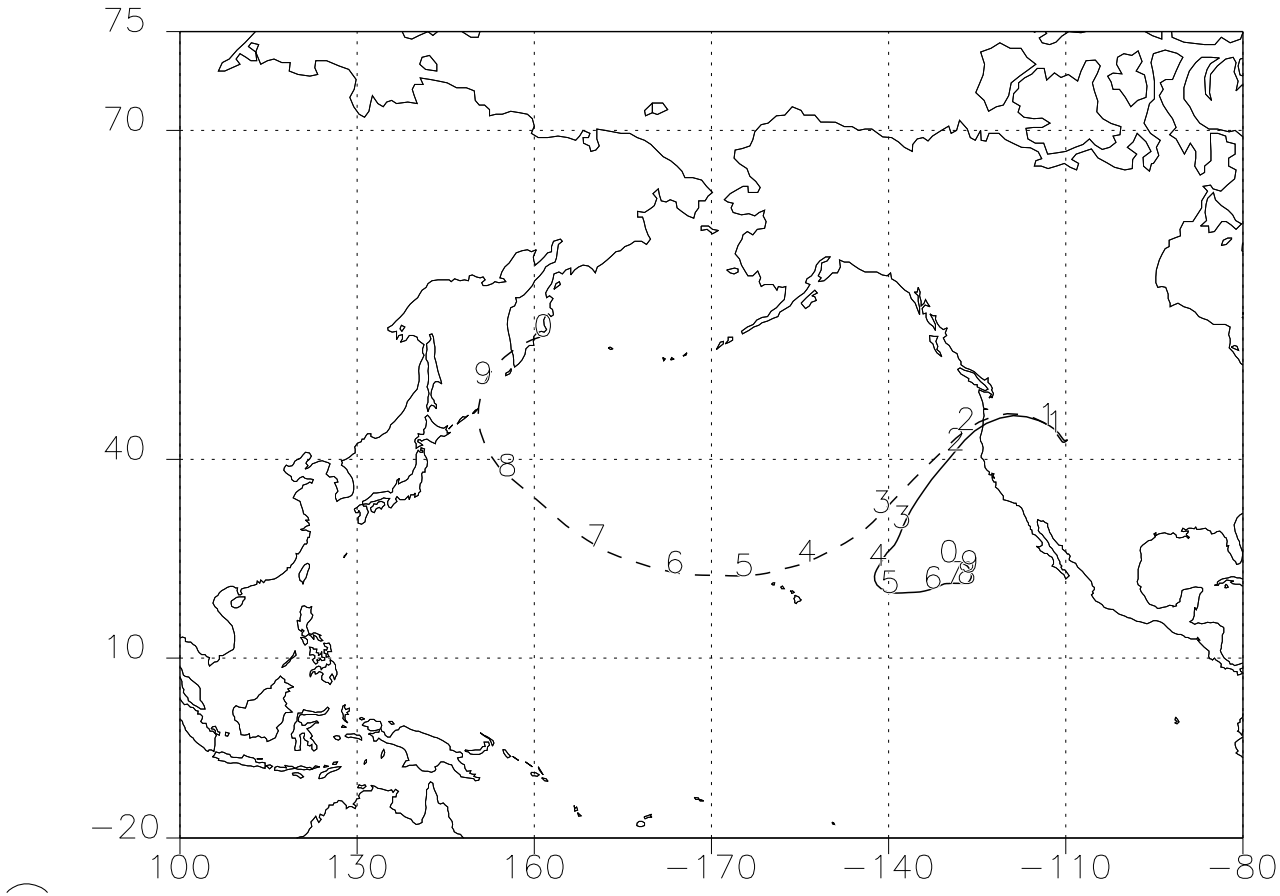
Day	km	hPa	C
0	2.4	764	1
1	2.9	715	1
2	2.2	786	11
3	2.3	778	12
4	2.7	745	9
5	2.7	746	7
6	3.0	716	4
7	3.2	691	3
8	2.3	771	11
9	2.3	767	11
10	2.6	745	11

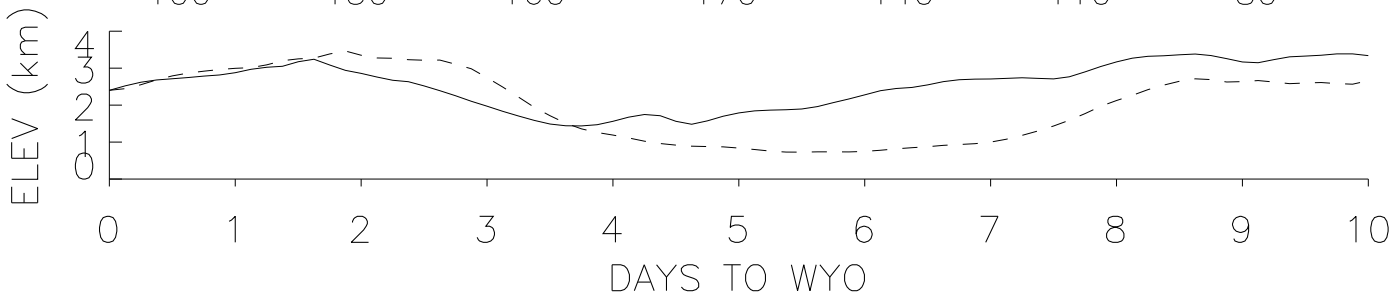
06UT

Day	km	hPa	C
0	2.4	766	−2
1	2.8	725	0
2	2.3	775	8
3	2.3	782	13
4	2.6	757	10
5	3.0	720	5
6	3.6	665	0
7	3.6	660	0
8	3.3	679	4
9	3.1	692	3
10	3.3	678	3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/22/2005 (Day of Year 22)
NCEP/NCAR Reanalysis 1 Data Set





12UT

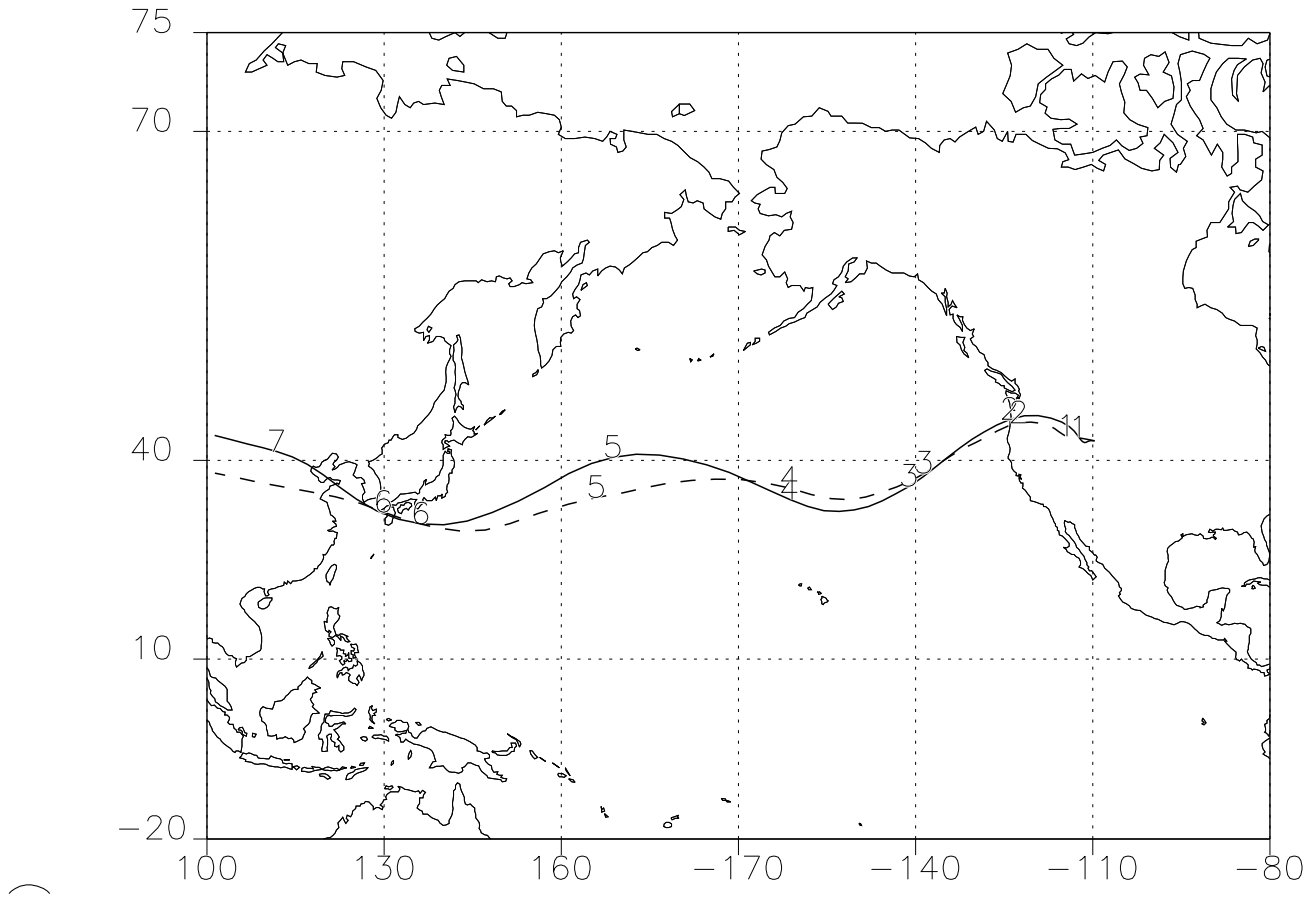
Day	km	hPa	C
0	2.4	766	−2
1	2.9	718	−1
2	2.9	718	3
3	2.0	805	12
4	1.6	849	16
5	1.8	826	16
6	2.3	781	13
7	2.7	741	11
8	3.2	700	8
9	3.2	700	7
10	3.3	686	4

18UT

Day	km	hPa	C
0	2.4	766	0
1	3.0	708	−3
2	3.4	675	−2
3	2.7	729	4
4	1.2	881	14
5	0.8	917	15
6	0.7	925	15
7	1.0	895	7
8	2.1	771	−11
9	2.6	712	−18
10	2.7	710	−19

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/23/2005 (Day of Year 23)
NCEP/NCAR Reanalysis 1 Data Set

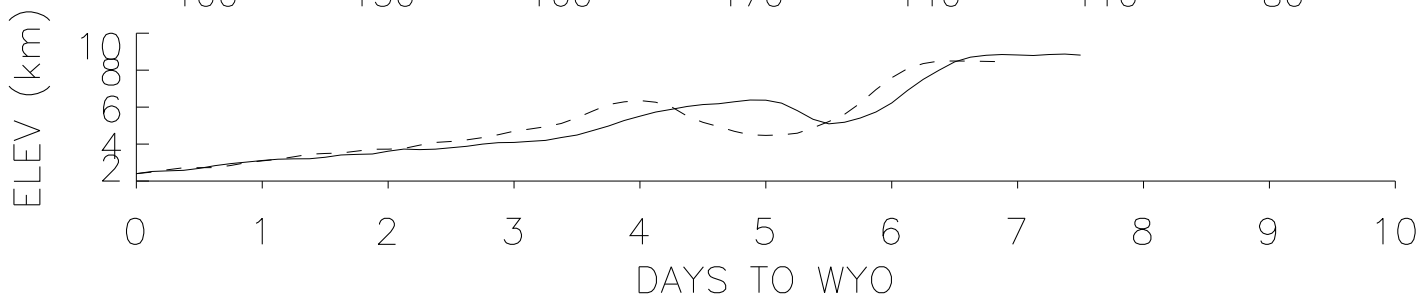


00UT

Day	km	hPa	C
0	2.4	766	5
1	3.1	699	−1
2	3.6	653	−4
3	4.1	612	−6
4	5.5	498	−21
5	6.4	437	−30
6	6.2	449	−29
7	8.8	306	−54

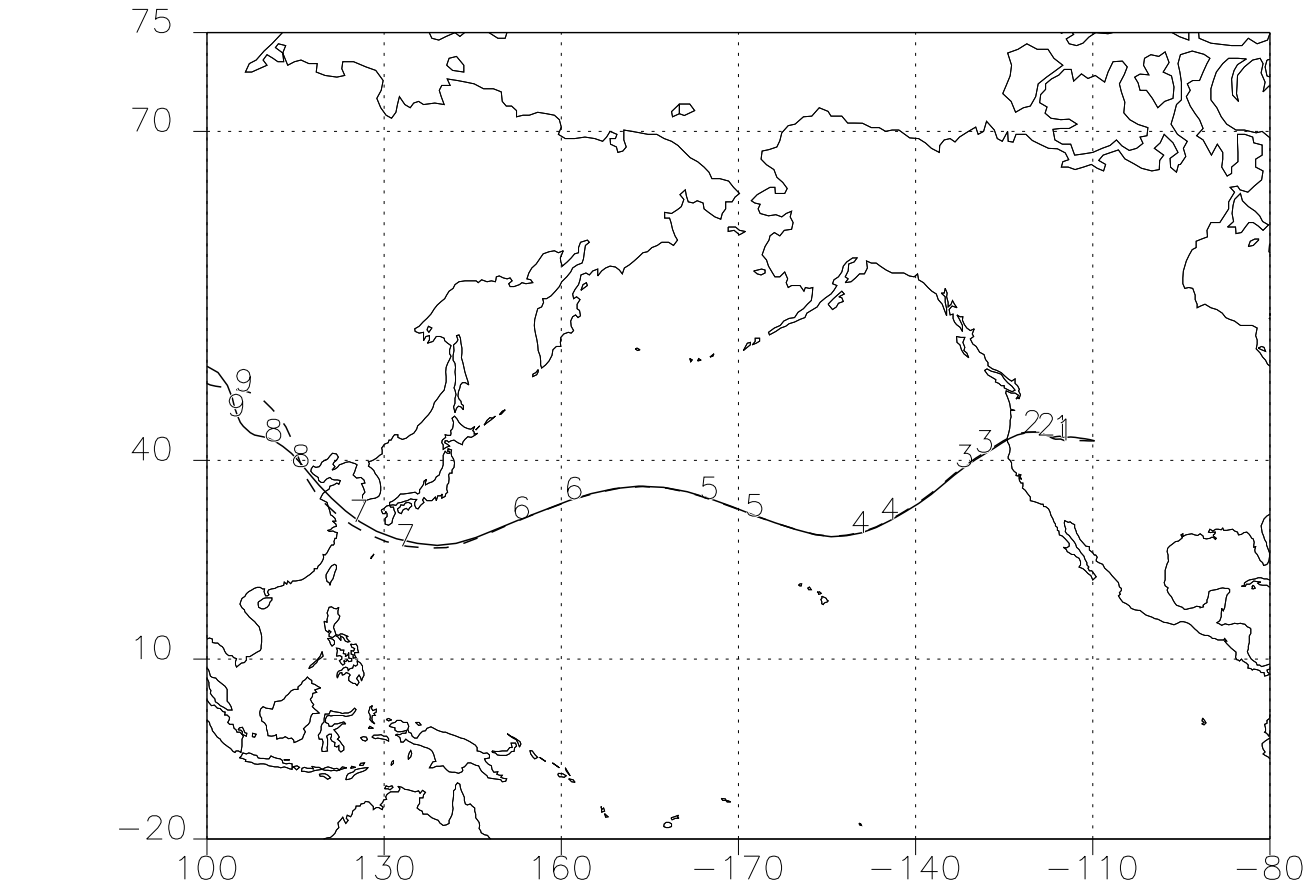
06UT

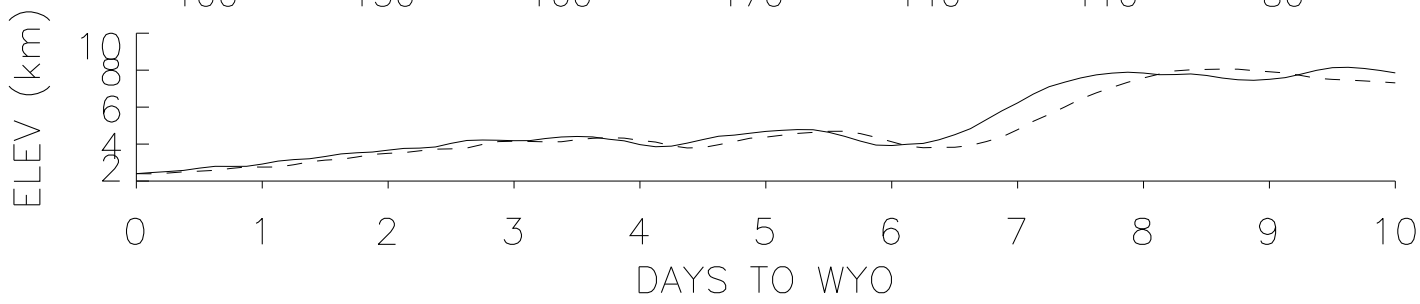
Day	km	hPa	C
0	2.4	766	3
1	3.1	701	2
2	3.7	646	−2
3	4.7	565	−10
4	6.4	445	−25
5	4.5	573	−10
6	7.6	372	−39



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/23/2005 (Day of Year 23)
NCEP/NCAR Reanalysis 1 Data Set





12UT

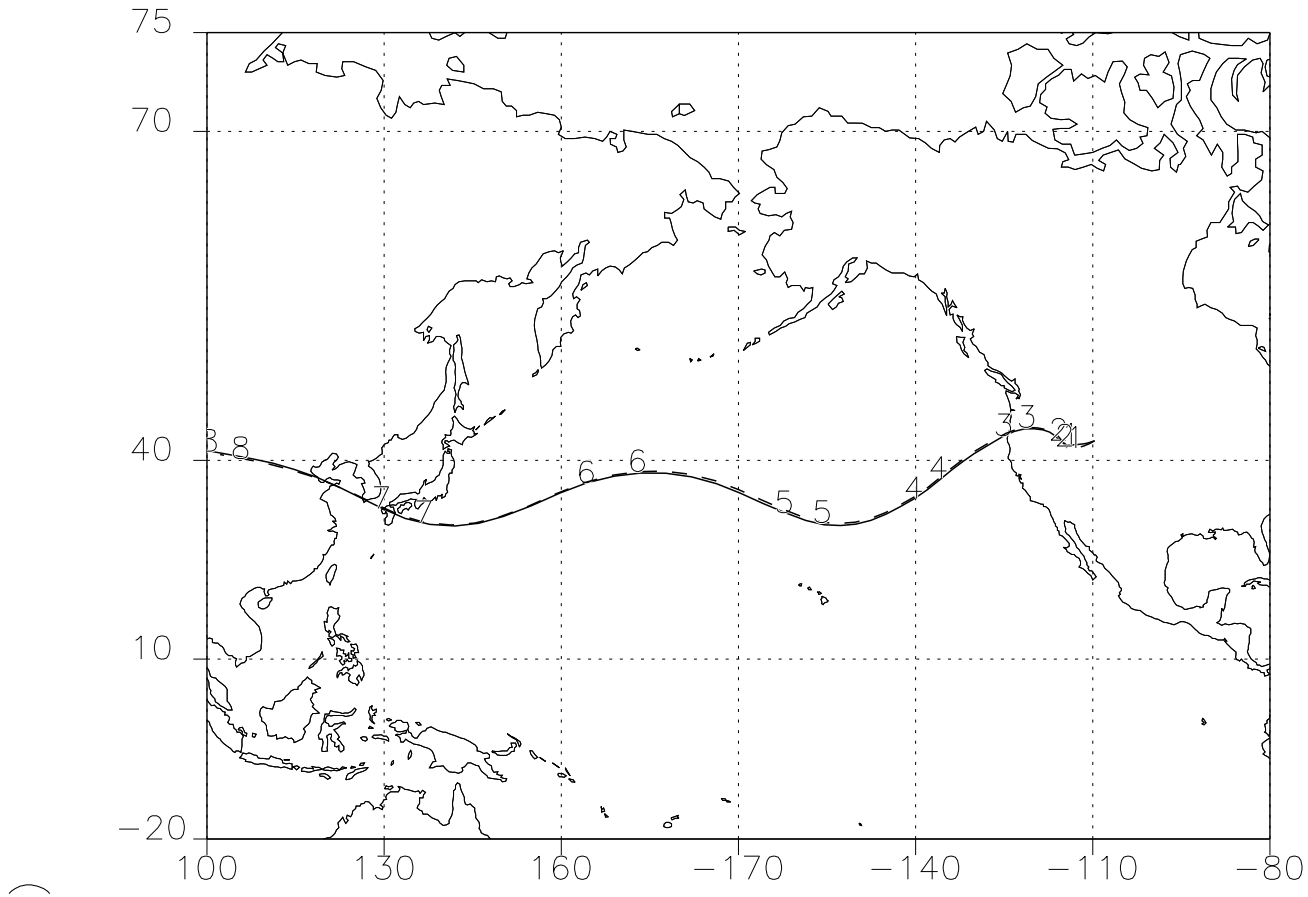
Day	km	hPa	C
0	2.4	766	2
1	2.9	716	3
2	3.7	652	−1
3	4.2	609	−4
4	4.0	623	−3
5	4.7	561	−11
6	3.9	619	−8
7	6.2	452	−30
8	7.8	357	−46
9	7.5	377	−41
10	7.9	360	−43

18UT

Day	km	hPa	C
0	2.4	767	2
1	2.8	732	3
2	3.5	667	0
3	4.2	612	−4
4	4.2	607	−5
5	4.4	585	−8
6	4.1	601	−9
7	4.8	554	−15
8	7.6	370	−44
9	7.9	353	−46
10	7.3	389	−38

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/24/2005 (Day of Year 24)
NCEP/NCAR Reanalysis 1 Data Set

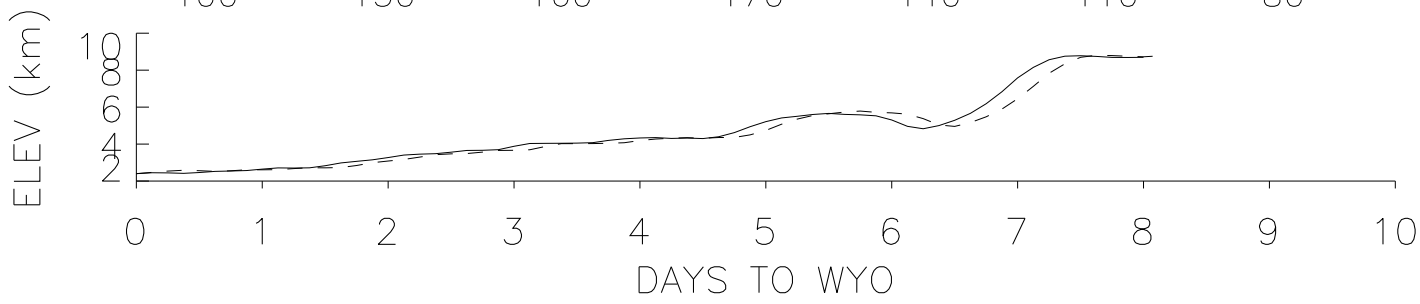


00UT

Day	km	hPa	C
0	2.4	765	5
1	2.6	743	4
2	3.3	686	1
3	3.9	633	−3
4	4.3	597	−6
5	5.2	522	−16
6	5.3	510	−19
7	7.6	370	−40
8	8.7	314	−50

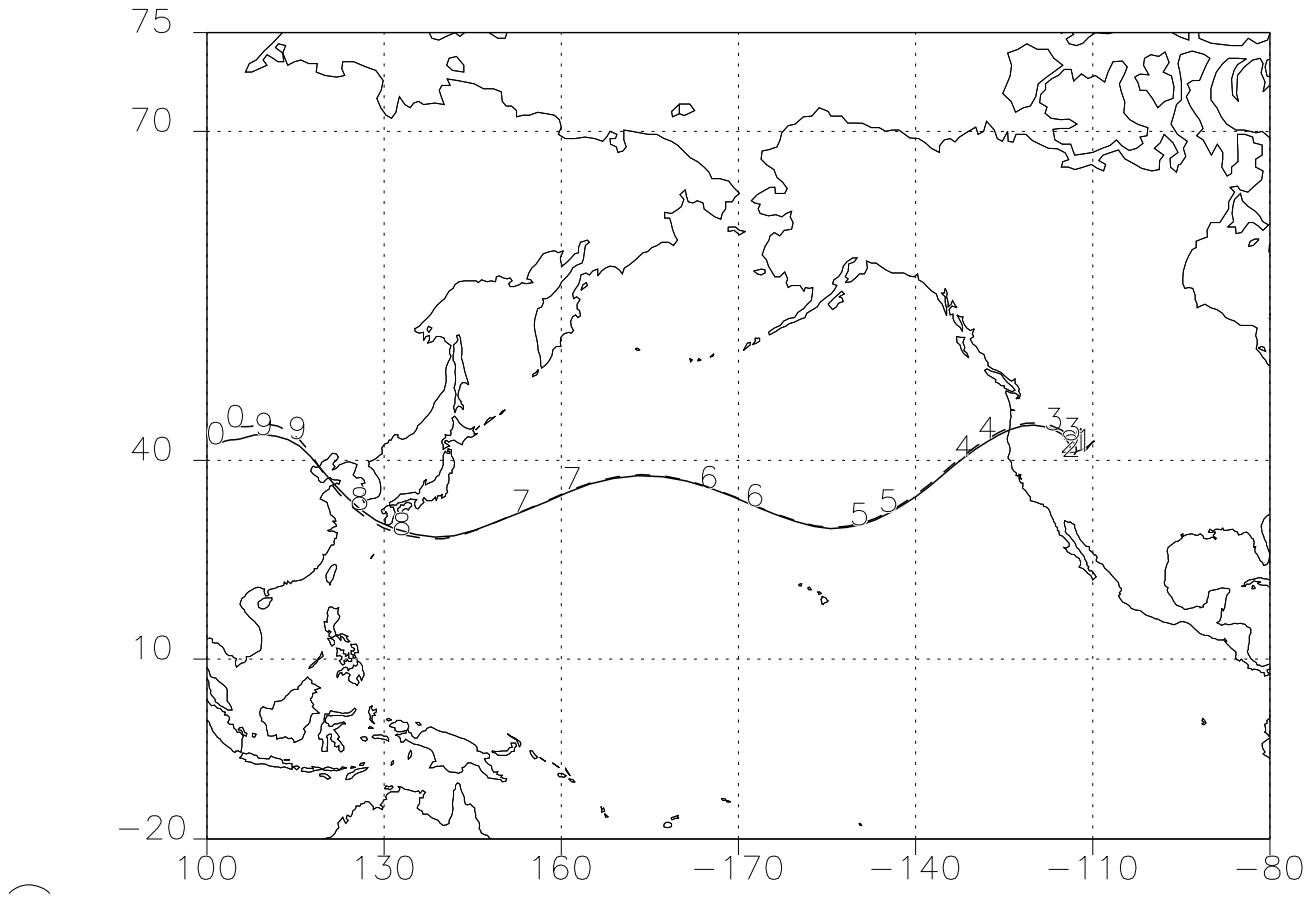
06UT

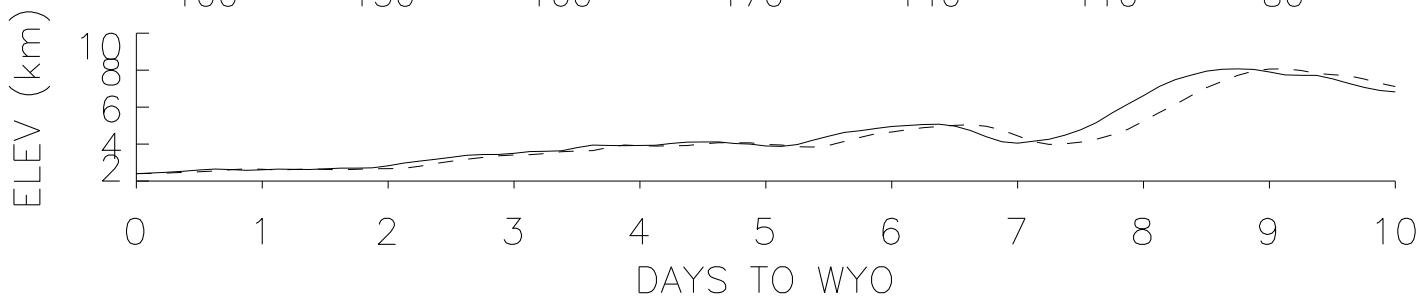
Day	km	hPa	C
0	2.4	765	3
1	2.6	747	3
2	3.1	702	3
3	3.7	652	−2
4	4.2	606	−6
5	4.7	559	−11
6	5.7	485	−21
7	6.5	436	−30
8	8.7	312	−50



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/24/2005 (Day of Year 24)
NCEP/NCAR Reanalysis 1 Data Set





12UT

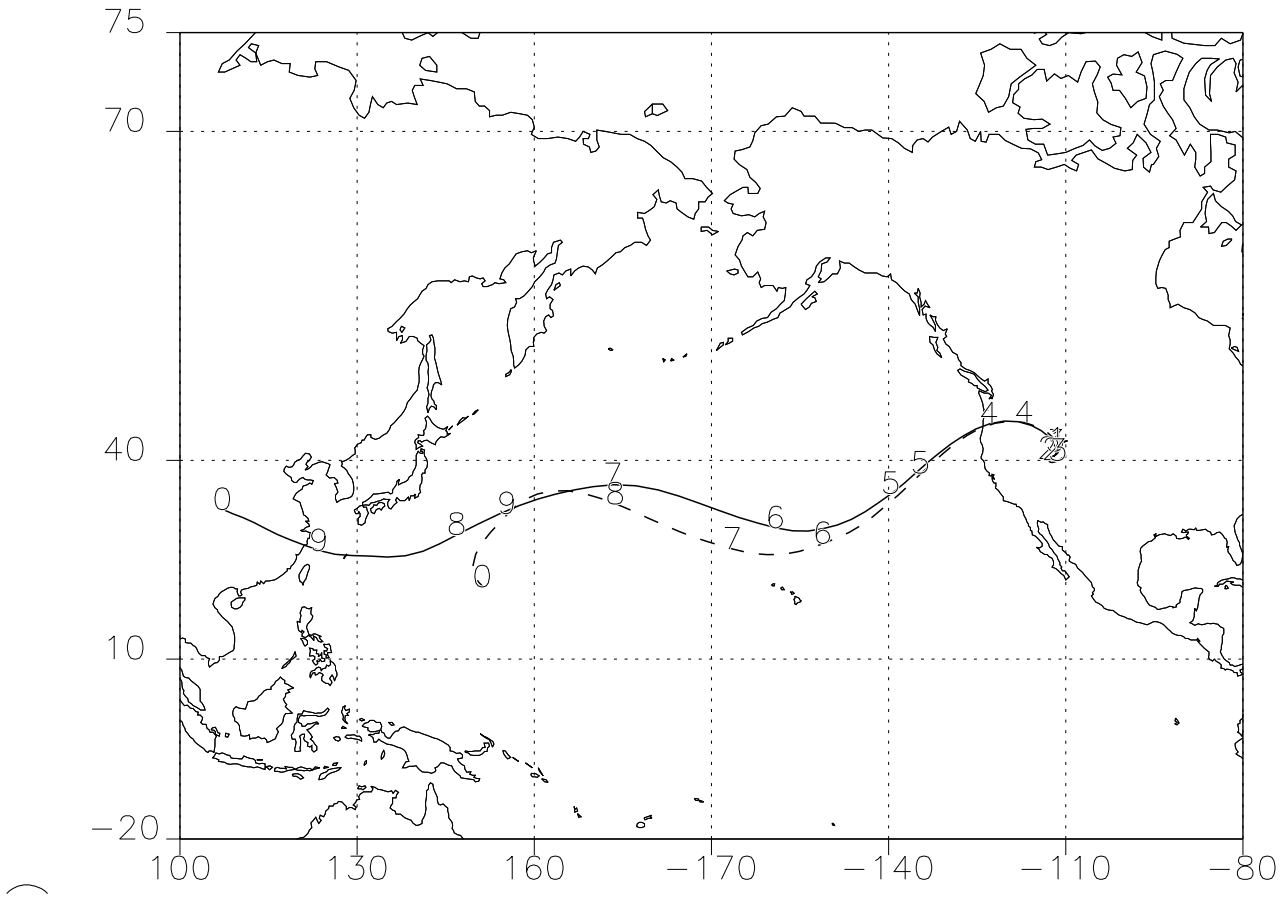
Day	km	hPa	C
0	2.4	765	1
1	2.6	747	2
2	2.8	725	3
3	3.5	666	−2
4	3.9	628	−3
5	3.9	627	−4
6	5.0	539	−15
7	4.0	606	−10
8	6.6	424	−36
9	7.9	353	−46
10	6.8	418	−36

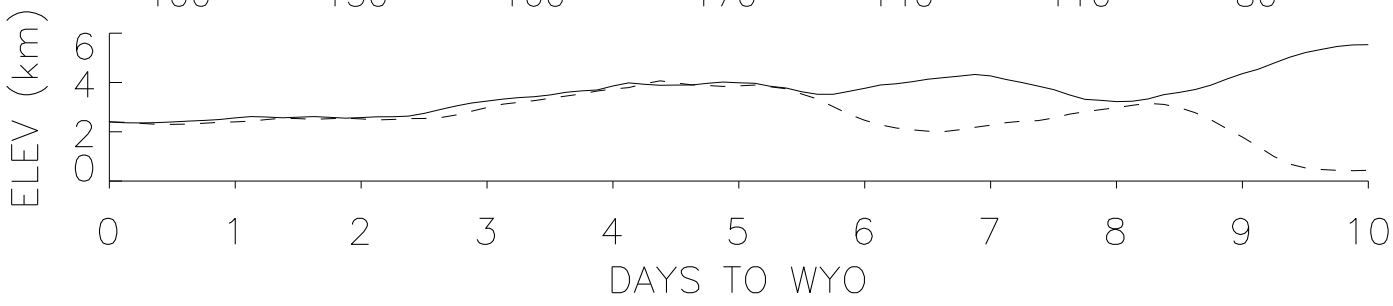
18UT

Day	km	hPa	C
0	2.4	764	1
1	2.6	744	2
2	2.7	741	3
3	3.4	674	−2
4	3.9	629	−4
5	4.0	622	−5
6	4.7	561	−12
7	4.4	574	−13
8	5.2	517	−22
9	8.1	343	−49
10	7.1	399	−39

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/25/2005 (Day of Year 25)
NCEP/NCAR Reanalysis 1 Data Set





00UT

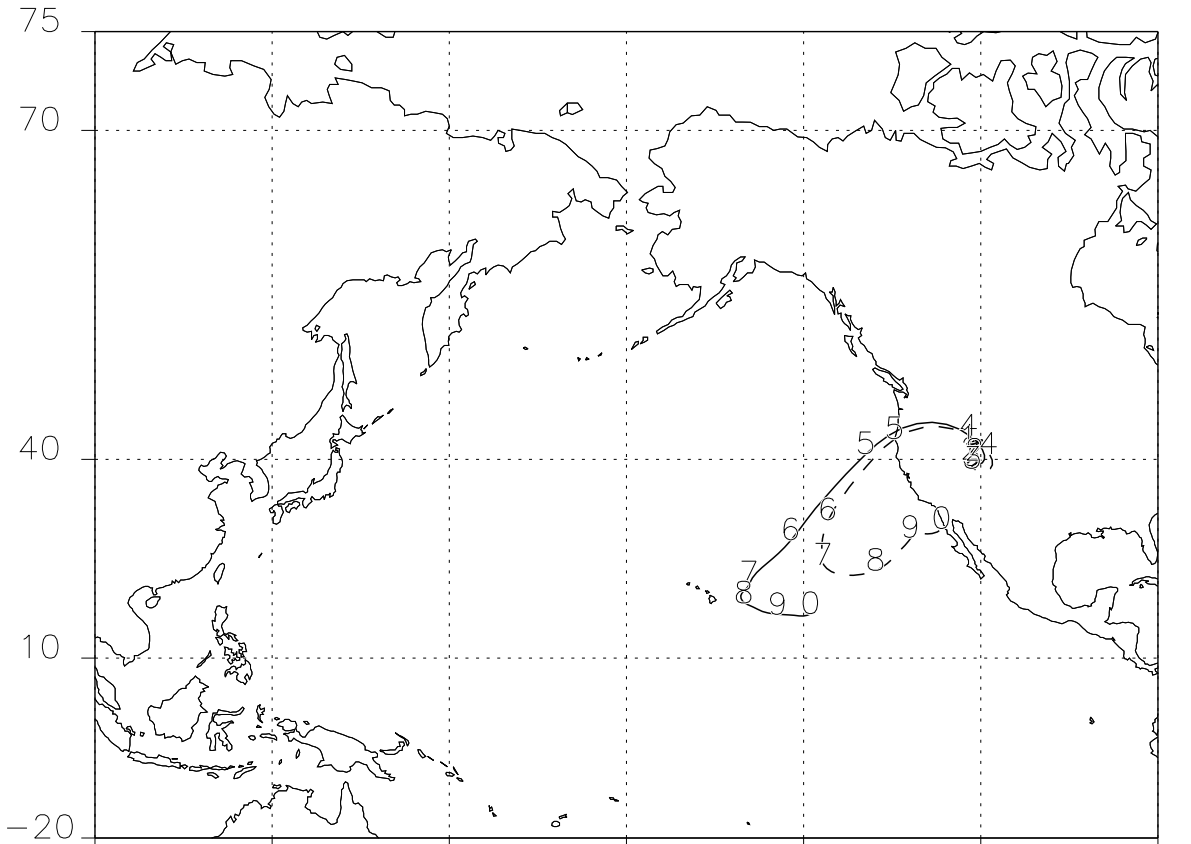
Day	km	hPa	C
0	2.4	763	5
1	2.6	750	5
2	2.6	750	5
3	3.2	688	1
4	3.9	634	−5
5	4.0	622	−5
6	3.8	635	−7
7	4.3	590	−10
8	3.2	678	−3
9	4.4	589	−12
10	5.5	503	−23

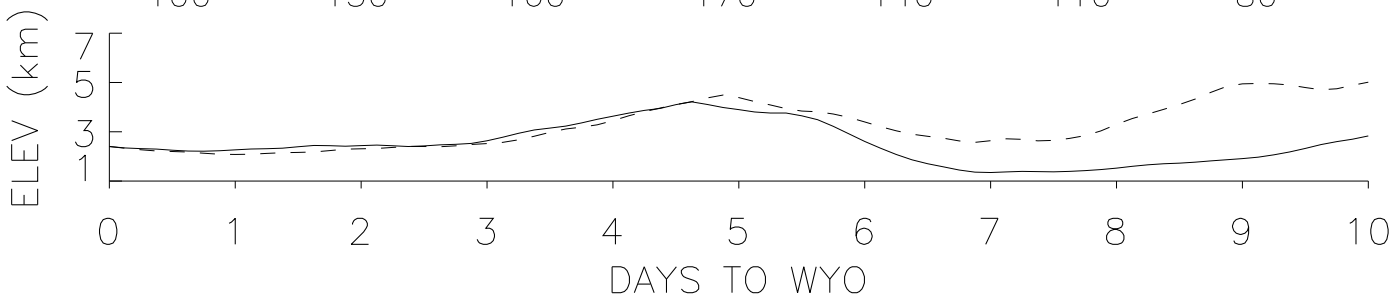
06UT

Day	km	hPa	C
0	2.4	762	0
1	2.4	764	2
2	2.5	756	2
3	3.0	712	2
4	3.7	644	−4
5	3.9	633	−4
6	2.5	753	5
7	2.3	769	6
8	3.0	699	2
9	1.8	811	8
10	0.4	962	22

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/25/2005 (Day of Year 25)
NCEP/NCAR Reanalysis 1 Data Set





12UT

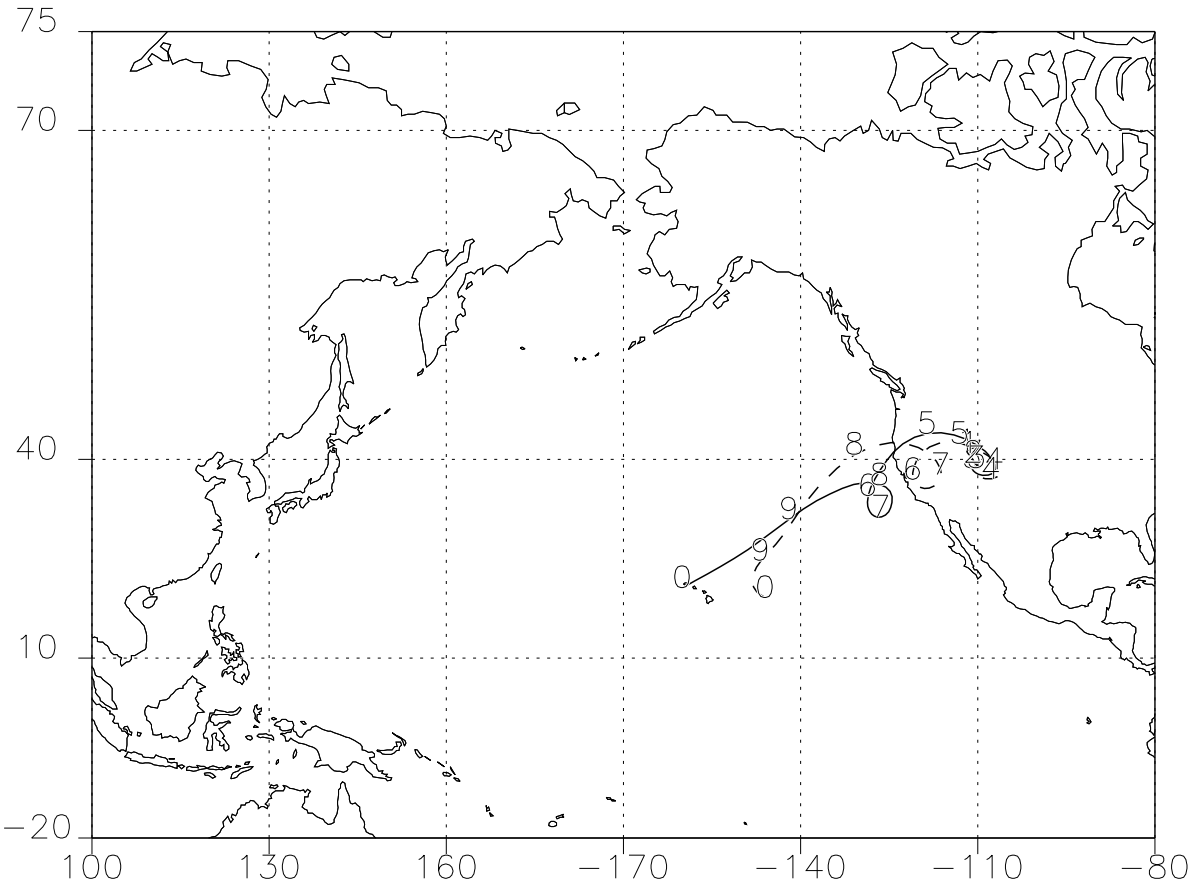
Day	km	hPa	C
0	2.4	763	−1
1	2.3	778	−1
2	2.4	764	1
3	2.6	743	2
4	3.6	654	−3
5	3.9	631	−3
6	2.6	744	8
7	1.3	869	16
8	1.5	851	15
9	1.9	814	13
10	2.8	728	11

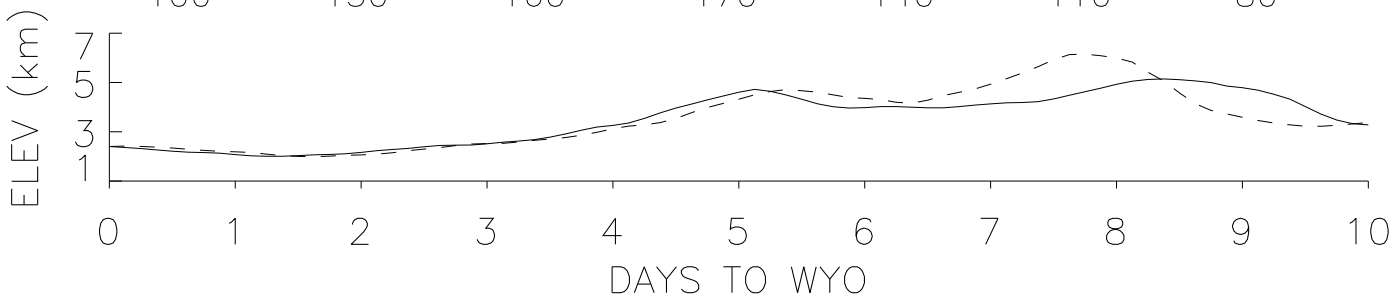
18UT

Day	km	hPa	C
0	2.4	763	−2
1	2.1	796	−2
2	2.3	776	1
3	2.5	756	3
4	3.5	669	−1
5	4.4	594	−7
6	3.4	680	5
7	2.6	749	12
8	3.3	691	8
9	4.9	562	−7
10	5.0	557	−7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/26/2005 (Day of Year 26)
NCEP/NCAR Reanalysis 1 Data Set





00UT

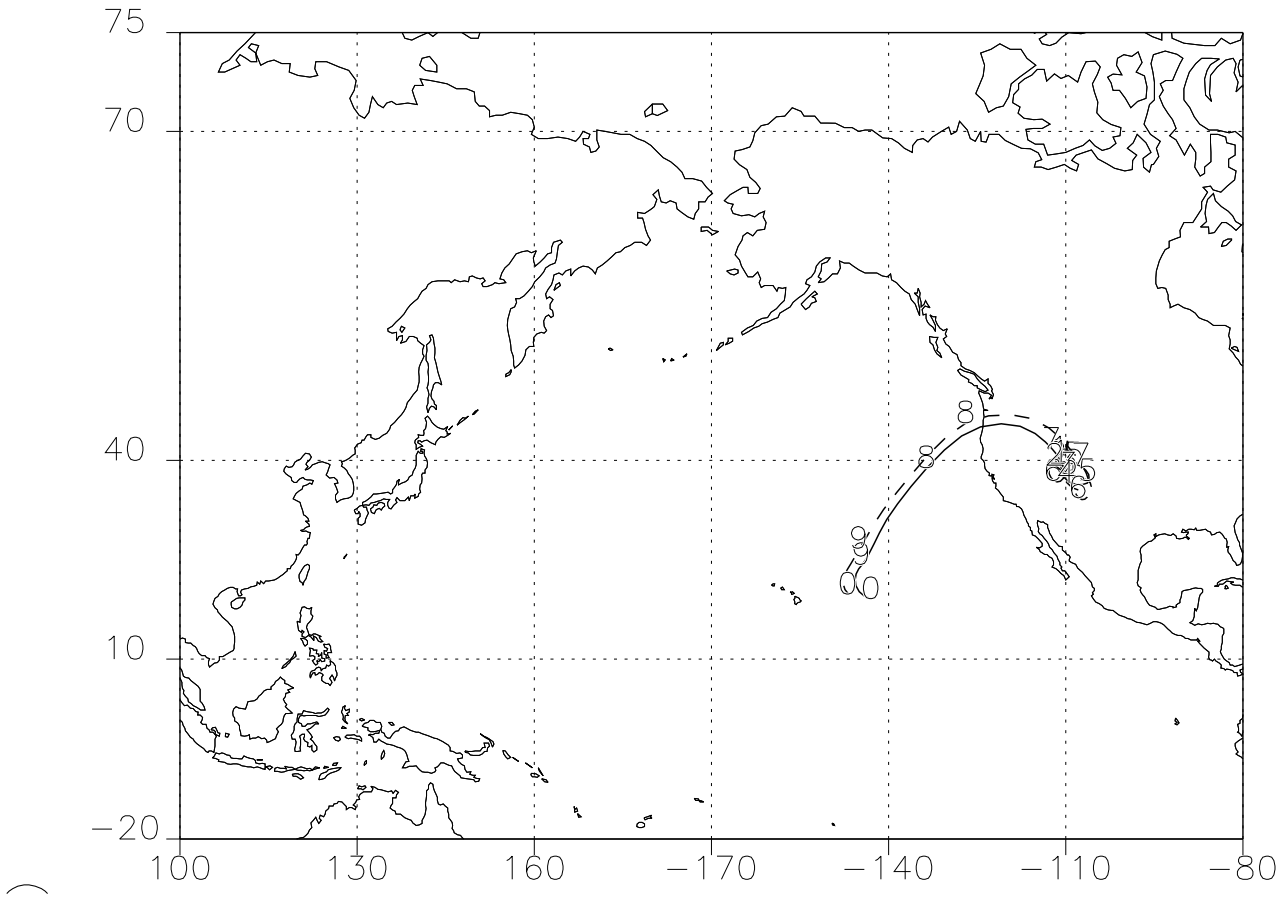
Day	km	hPa	C
0	2.4	761	1
1	2.1	795	4
2	2.2	789	6
3	2.5	757	6
4	3.3	686	2
5	4.6	579	−9
6	4.0	633	2
7	4.1	625	2
8	4.9	564	−6
9	4.8	571	−4
10	3.3	687	9

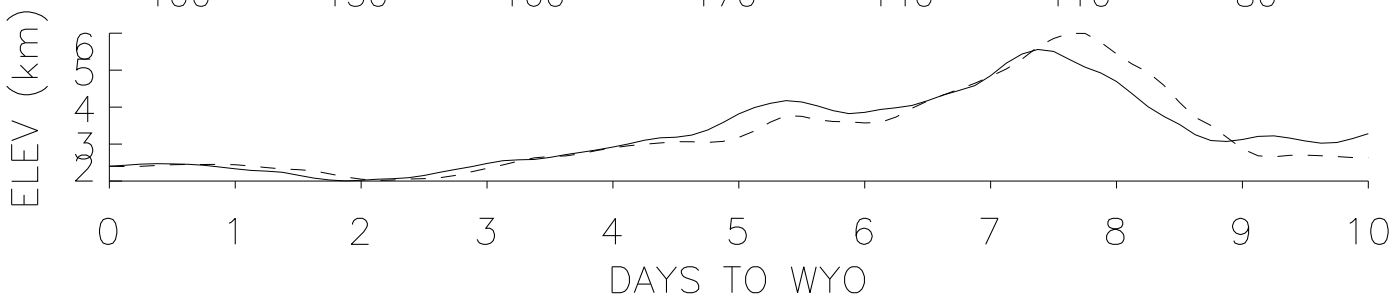
06UT

Day	km	hPa	C
0	2.4	761	−2
1	2.2	784	0
2	2.1	798	1
3	2.5	757	3
4	3.1	700	2
5	4.3	601	−5
6	4.4	605	−1
7	4.9	565	−5
8	6.0	487	−16
9	3.6	665	6
10	3.4	683	9

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/26/2005 (Day of Year 26)
NCEP/NCAR Reanalysis 1 Data Set





12UT

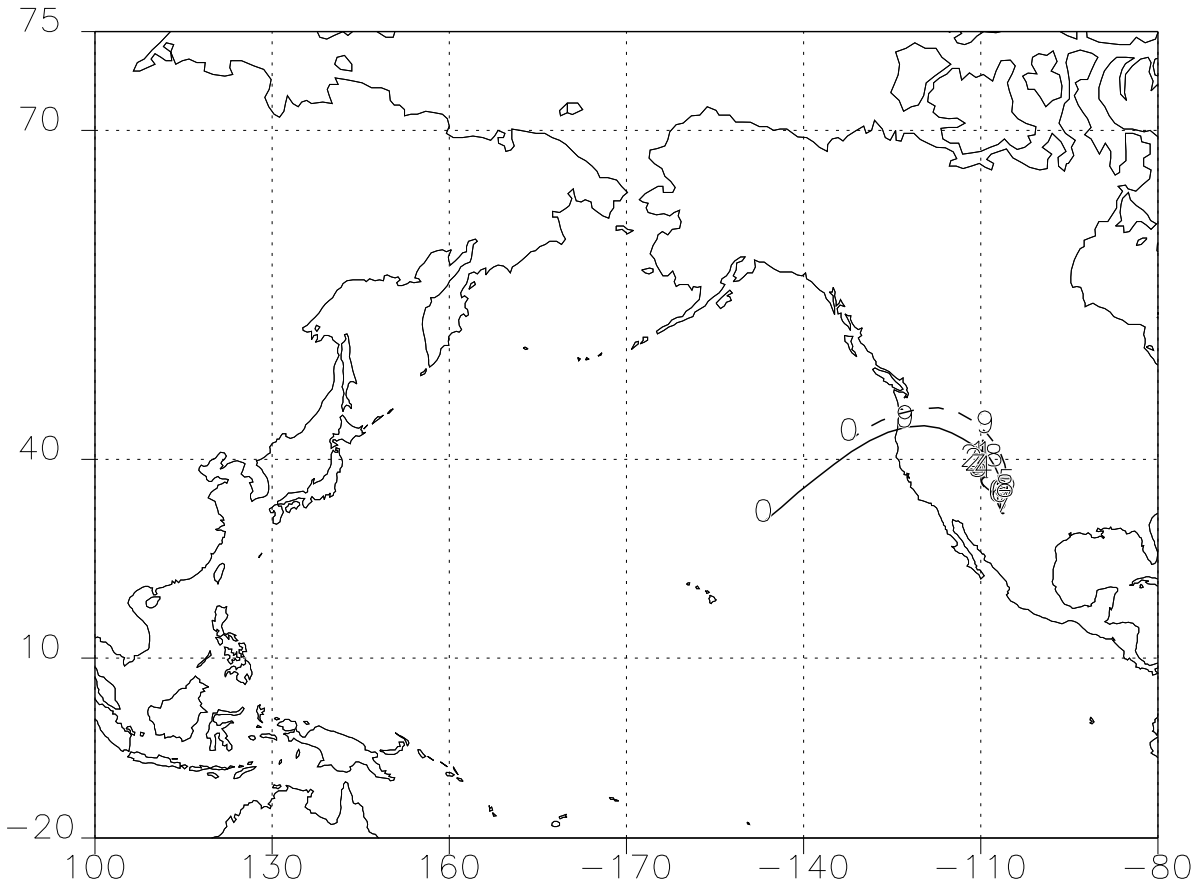
Day	km	hPa	C
0	2.4	761	−3
1	2.3	770	−1
2	2.0	803	−3
3	2.5	761	3
4	2.9	718	2
5	3.8	640	0
6	3.9	643	2
7	4.9	568	−7
8	4.7	575	−6
9	3.1	705	10
10	3.3	692	9

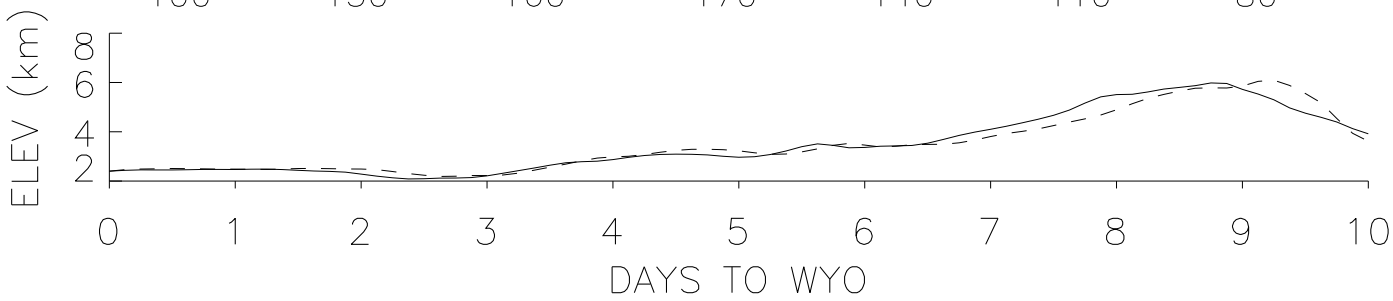
18UT

Day	km	hPa	C
0	2.4	761	−1
1	2.4	760	−1
2	2.1	799	−1
3	2.3	773	3
4	2.9	722	2
5	3.2	693	5
6	3.6	666	5
7	4.8	570	−6
8	5.4	521	−12
9	2.9	724	10
10	2.6	746	12

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/27/2005 (Day of Year 27)
NCEP/NCAR Reanalysis 1 Data Set





00UT

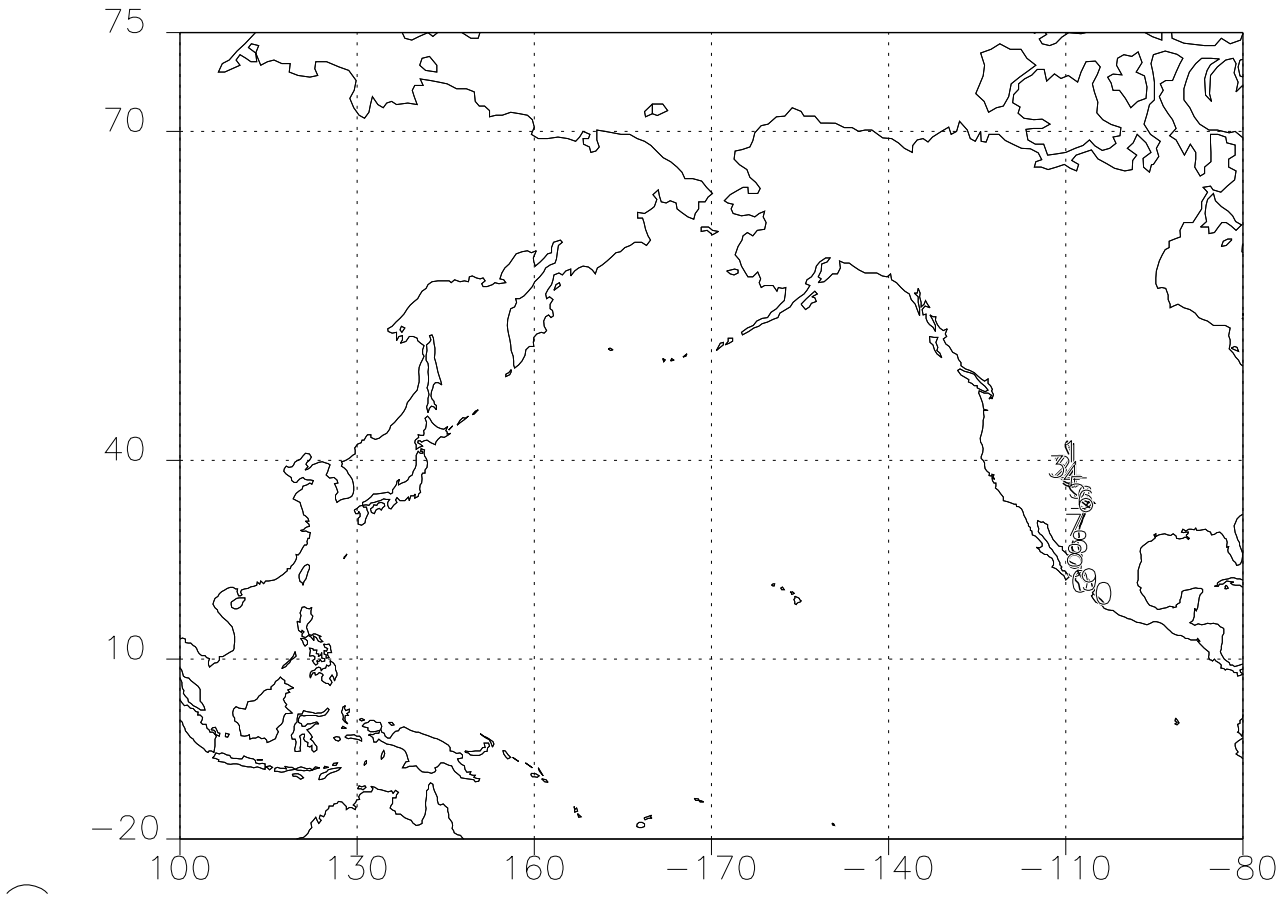
Day	km	hPa	C
0	2.4	758	2
1	2.5	755	1
2	2.3	775	4
3	2.2	784	7
4	2.9	724	4
5	3.0	710	6
6	3.4	681	5
7	4.1	625	1
8	5.5	520	−11
9	5.7	503	−14
10	3.9	632	0

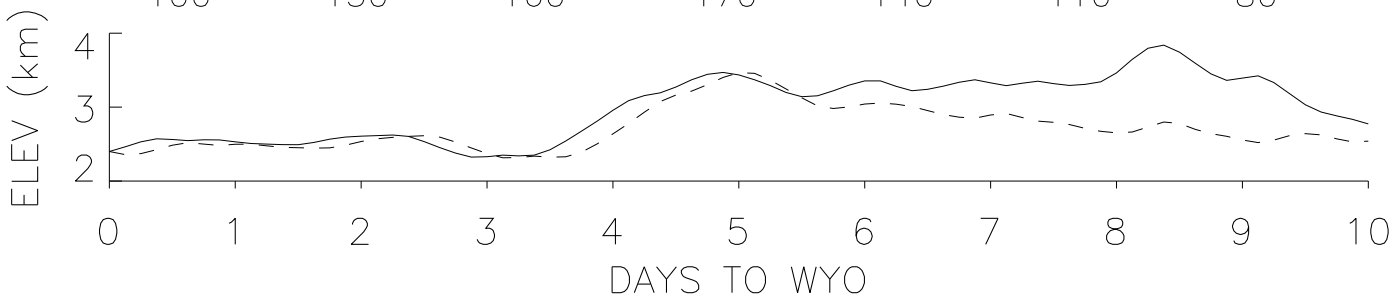
06UT

Day	km	hPa	C
0	2.4	757	0
1	2.5	754	−1
2	2.5	756	0
3	2.2	782	3
4	3.0	715	3
5	3.2	690	3
6	3.5	673	4
7	3.8	648	3
8	4.9	565	−5
9	5.9	493	−15
10	3.6	654	−3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/27/2005 (Day of Year 27)
NCEP/NCAR Reanalysis 1 Data Set





12UT

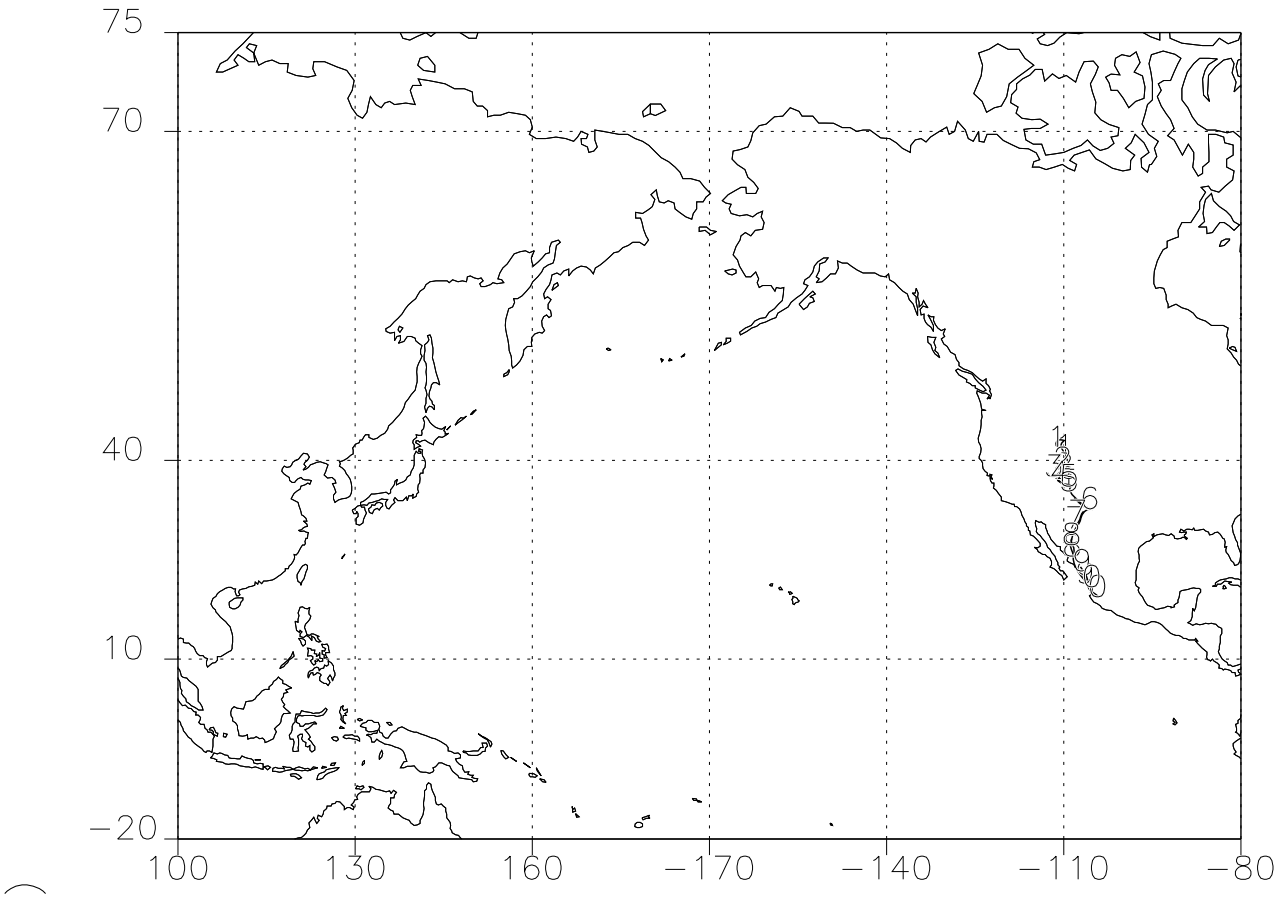
Day	km	hPa	C
0	2.4	755	−1
1	2.5	749	−1
2	2.6	744	0
3	2.3	772	0
4	3.0	717	2
5	3.4	673	0
6	3.4	680	3
7	3.3	685	4
8	3.5	675	3
9	3.4	679	4
10	2.8	734	8

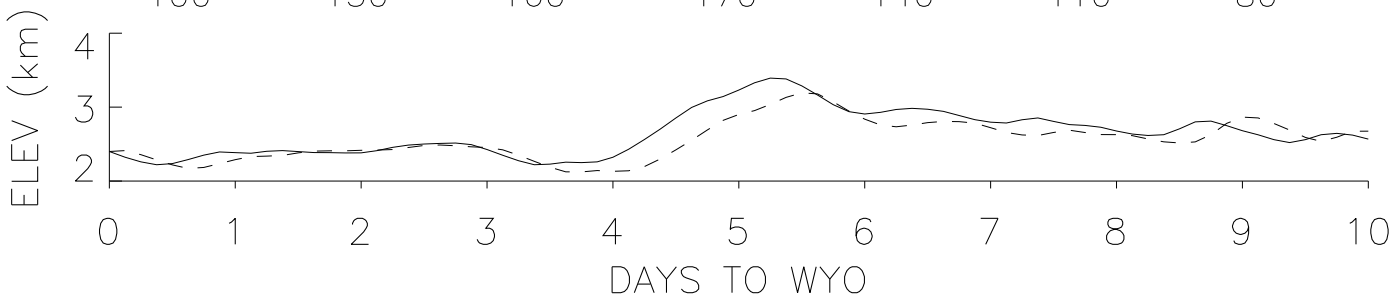
18UT

Day	km	hPa	C
0	2.4	756	−1
1	2.5	753	0
2	2.5	752	0
3	2.4	768	1
4	2.6	745	3
5	3.5	672	−1
6	3.0	705	4
7	2.9	723	7
8	2.7	746	9
9	2.6	754	10
10	2.5	756	10

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/28/2005 (Day of Year 28)
NCEP/NCAR Reanalysis 1 Data Set





00UT

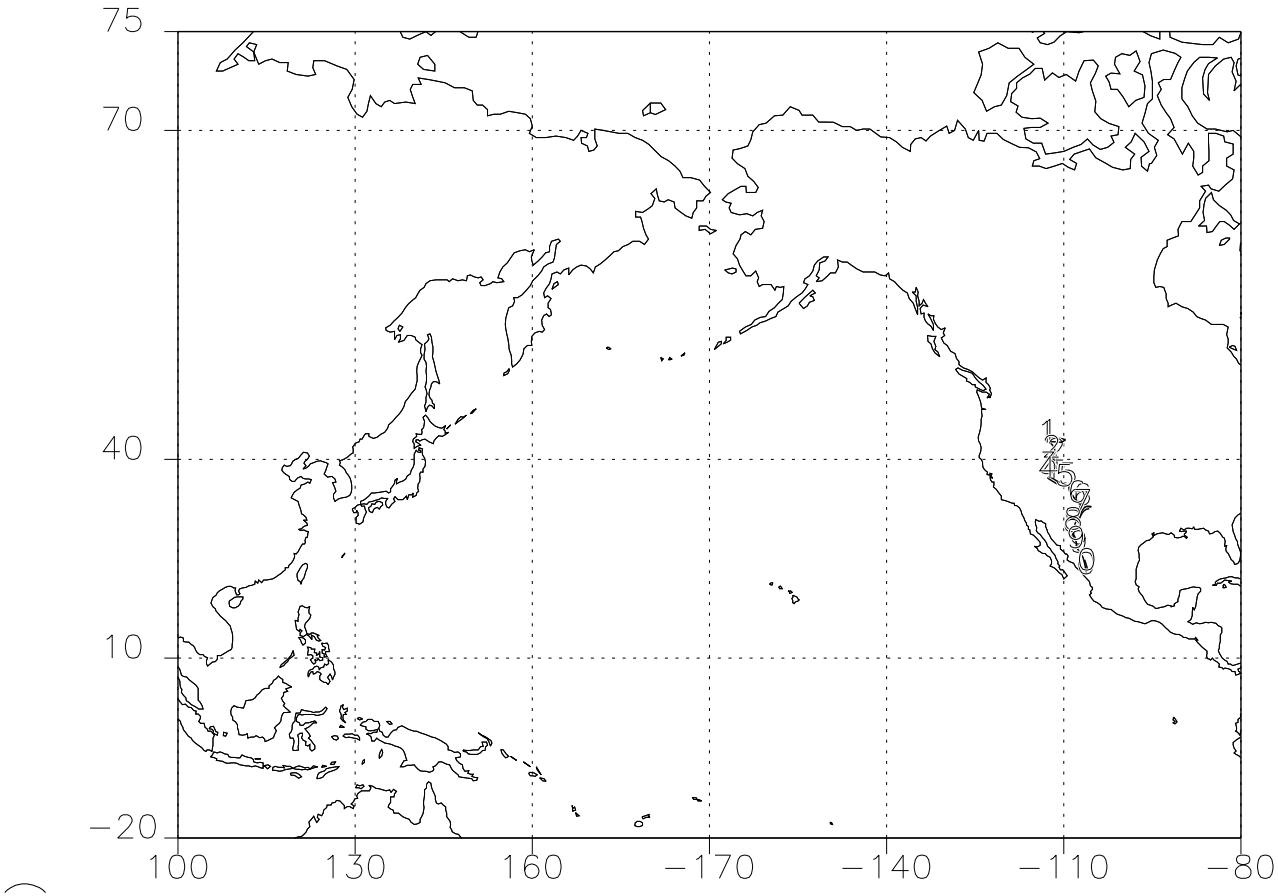
Day	km	hPa	C
0	2.4	755	0
1	2.4	759	2
2	2.4	764	3
3	2.4	761	3
4	2.3	773	7
5	3.2	693	1
6	2.9	715	6
7	2.8	731	7
8	2.7	743	9
9	2.7	742	9
10	2.6	752	10

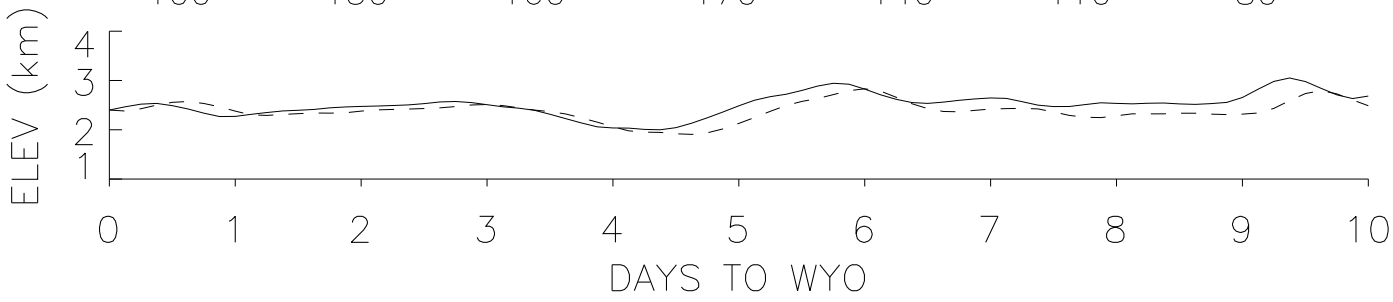
06UT

Day	km	hPa	C
0	2.4	756	−2
1	2.3	767	0
2	2.4	761	0
3	2.5	759	1
4	2.1	791	3
5	2.9	723	2
6	2.8	723	4
7	2.7	736	7
8	2.6	749	8
9	2.9	727	6
10	2.7	743	9

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/28/2005 (Day of Year 28)
NCEP/NCAR Reanalysis 1 Data Set





12UT

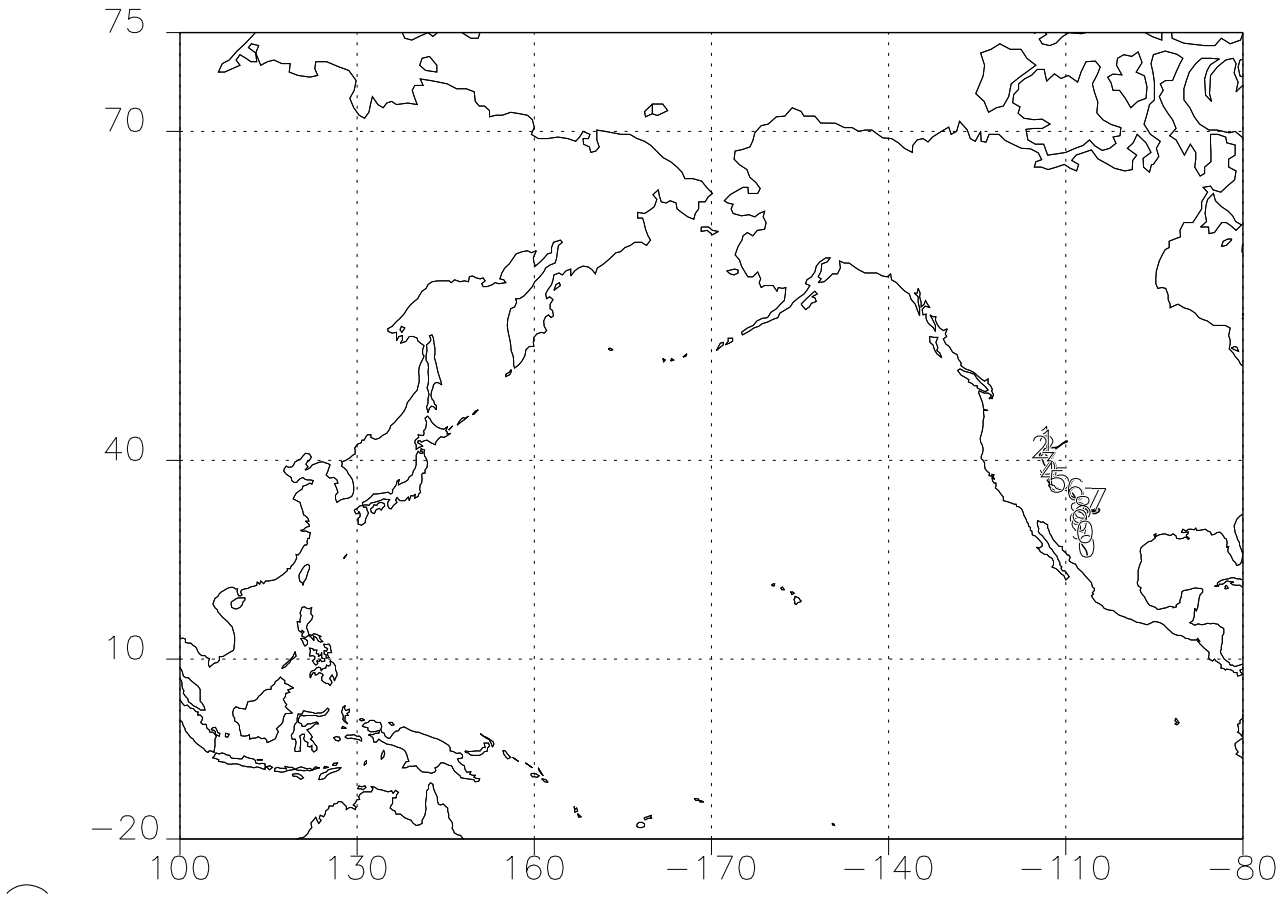
Day	km	hPa	C
0	2.4	757	−1
1	2.3	767	−2
2	2.5	753	−2
3	2.5	754	0
4	2.0	800	−1
5	2.5	760	3
6	2.8	725	2
7	2.6	741	5
8	2.5	754	8
9	2.7	744	7
10	2.7	741	8

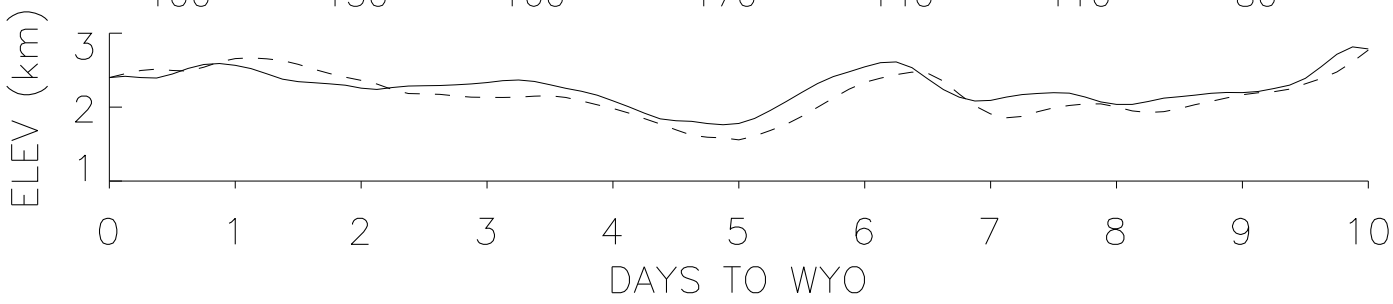
18UT

Day	km	hPa	C
0	2.4	759	−2
1	2.4	759	−2
2	2.4	763	−1
3	2.5	753	0
4	2.1	798	2
5	2.1	794	4
6	2.8	728	1
7	2.4	761	7
8	2.3	778	10
9	2.3	778	11
10	2.5	760	10

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/29/2005 (Day of Year 29)
NCEP/NCAR Reanalysis 1 Data Set





00UT

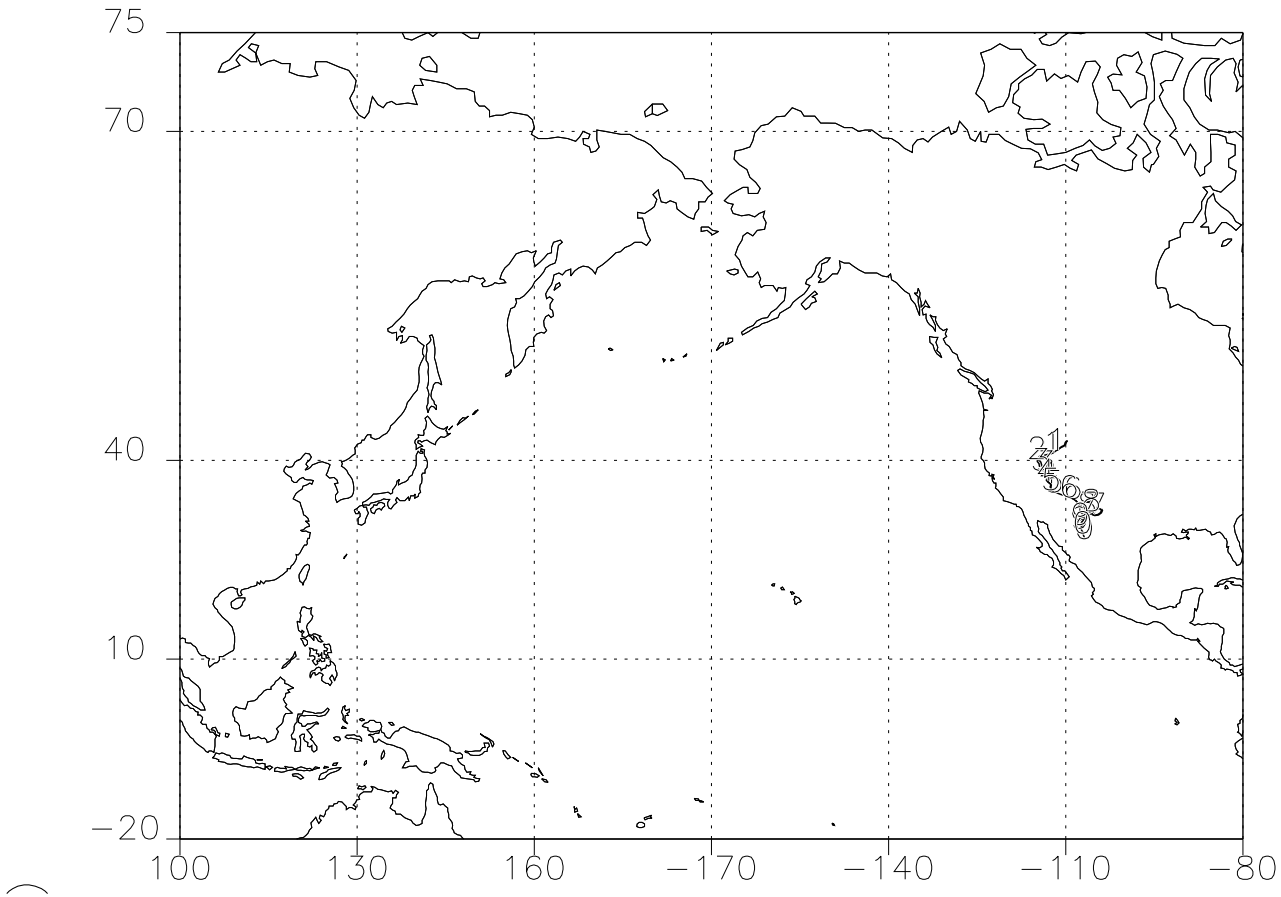
Day	km	hPa	C
0	2.4	760	−1
1	2.6	740	−2
2	2.3	770	2
3	2.3	768	3
4	2.1	794	5
5	1.8	825	10
6	2.5	754	4
7	2.1	790	11
8	2.0	801	14
9	2.2	788	12
10	2.8	733	6

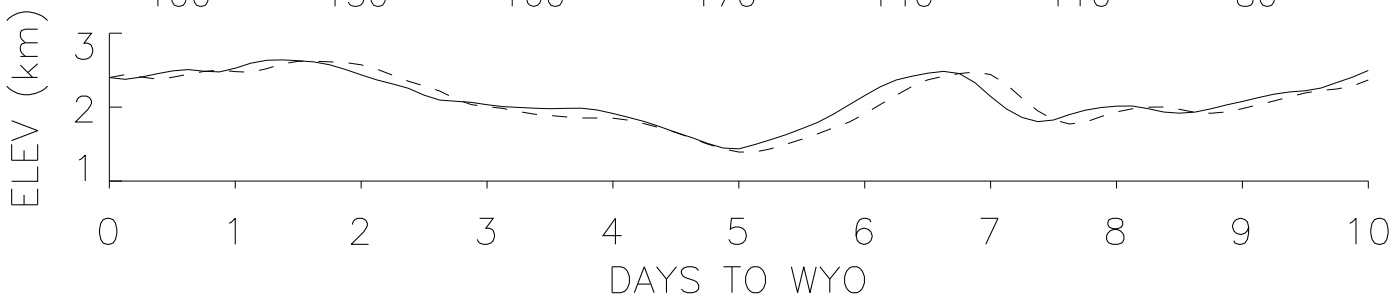
06UT

Day	km	hPa	C
0	2.4	760	−3
1	2.7	733	−4
2	2.4	759	−1
3	2.1	787	2
4	2.0	805	4
5	1.6	848	6
6	2.3	776	3
7	1.9	810	9
8	2.0	803	12
9	2.2	791	10
10	2.8	735	5

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/29/2005 (Day of Year 29)
NCEP/NCAR Reanalysis 1 Data Set





12UT

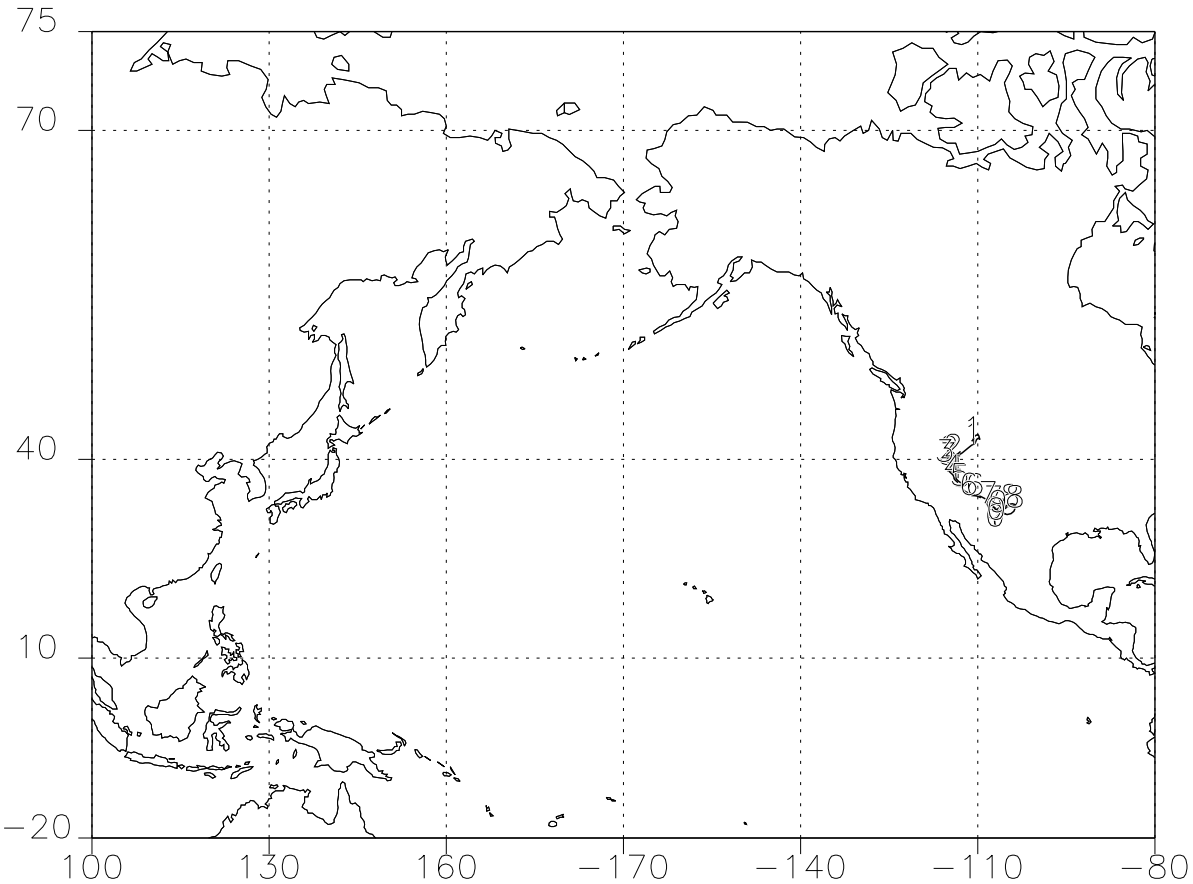
Day	km	hPa	C
0	2.4	759	−4
1	2.5	746	−3
2	2.4	752	−3
3	2.0	795	0
4	1.9	812	3
5	1.4	861	4
6	2.2	791	4
7	2.1	789	5
8	2.0	800	8
9	2.1	797	9
10	2.5	759	7

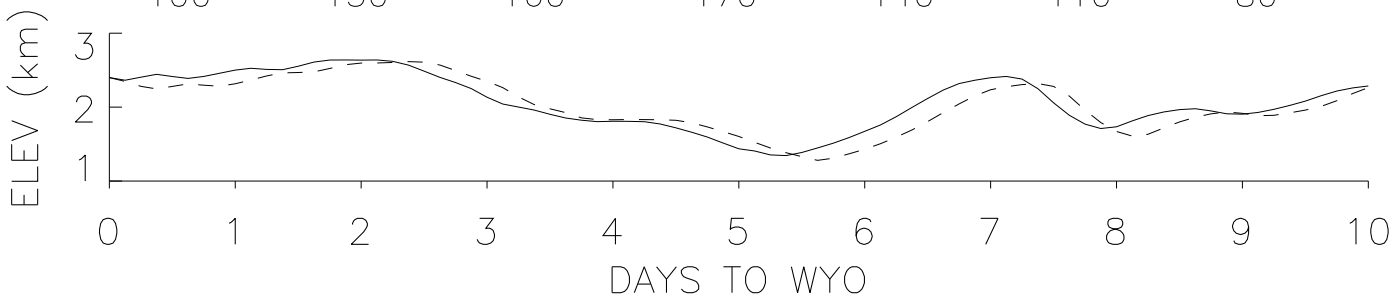
18UT

Day	km	hPa	C
0	2.4	760	−4
1	2.5	751	−2
2	2.6	740	−3
3	2.0	797	2
4	1.9	818	4
5	1.4	867	6
6	1.9	815	6
7	2.4	764	2
8	1.9	807	10
9	2.0	807	12
10	2.4	774	9

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/30/2005 (Day of Year 30)
NCEP/NCAR Reanalysis 1 Data Set





00UT

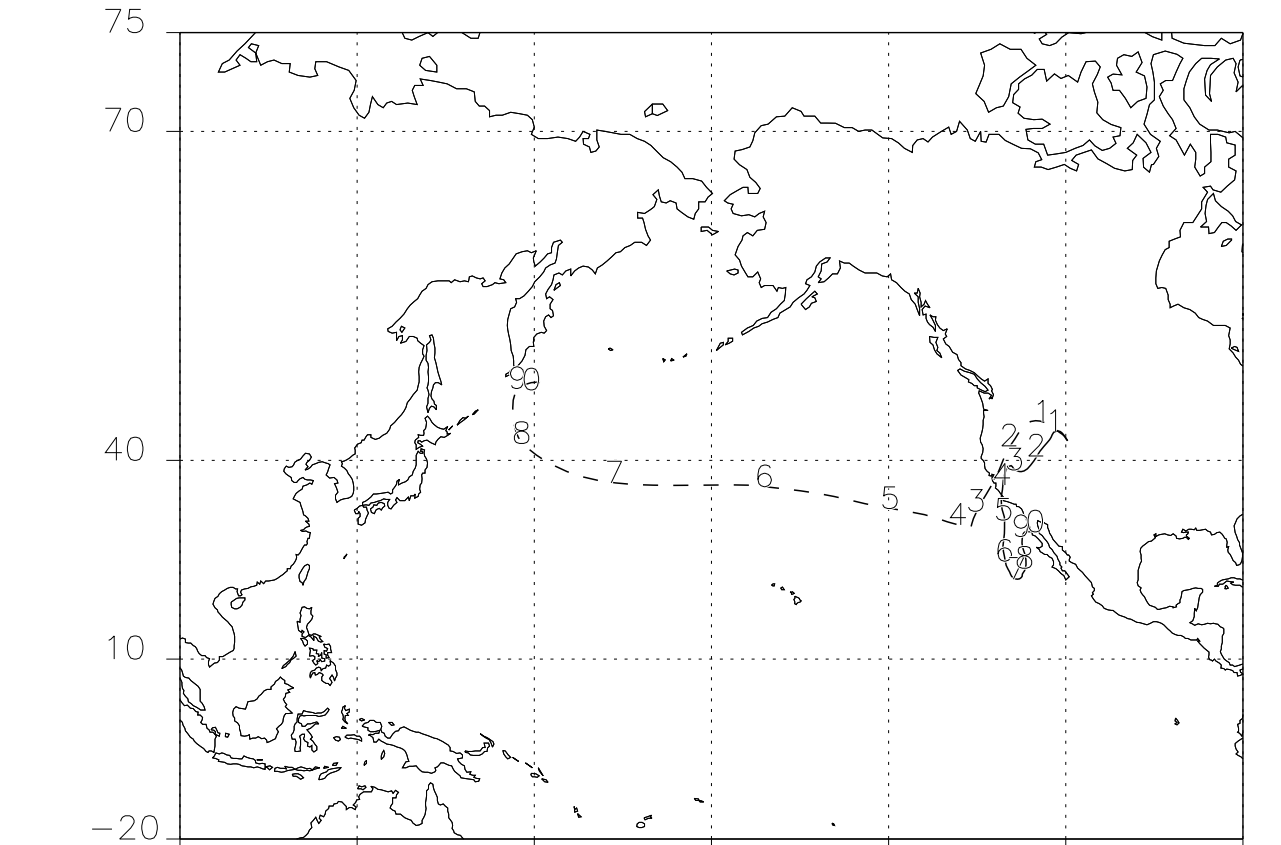
Day	km	hPa	C
0	2.4	759	−1
1	2.5	750	−2
2	2.6	734	−3
3	2.1	781	2
4	1.8	819	6
5	1.4	860	10
6	1.7	835	11
7	2.4	768	4
8	1.7	824	13
9	1.9	813	15
10	2.3	780	11

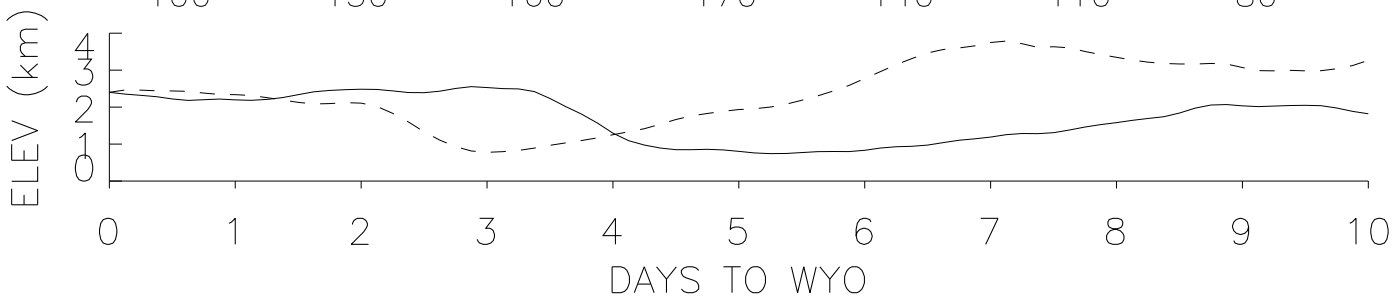
06UT

Day	km	hPa	C
0	2.4	760	−4
1	2.3	768	−3
2	2.6	739	−4
3	2.3	760	−2
4	1.8	817	4
5	1.6	843	7
6	1.4	861	8
7	2.2	785	3
8	1.7	834	10
9	1.9	811	13
10	2.3	782	8

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/30/2005 (Day of Year 30)
NCEP/NCAR Reanalysis 1 Data Set





12UT

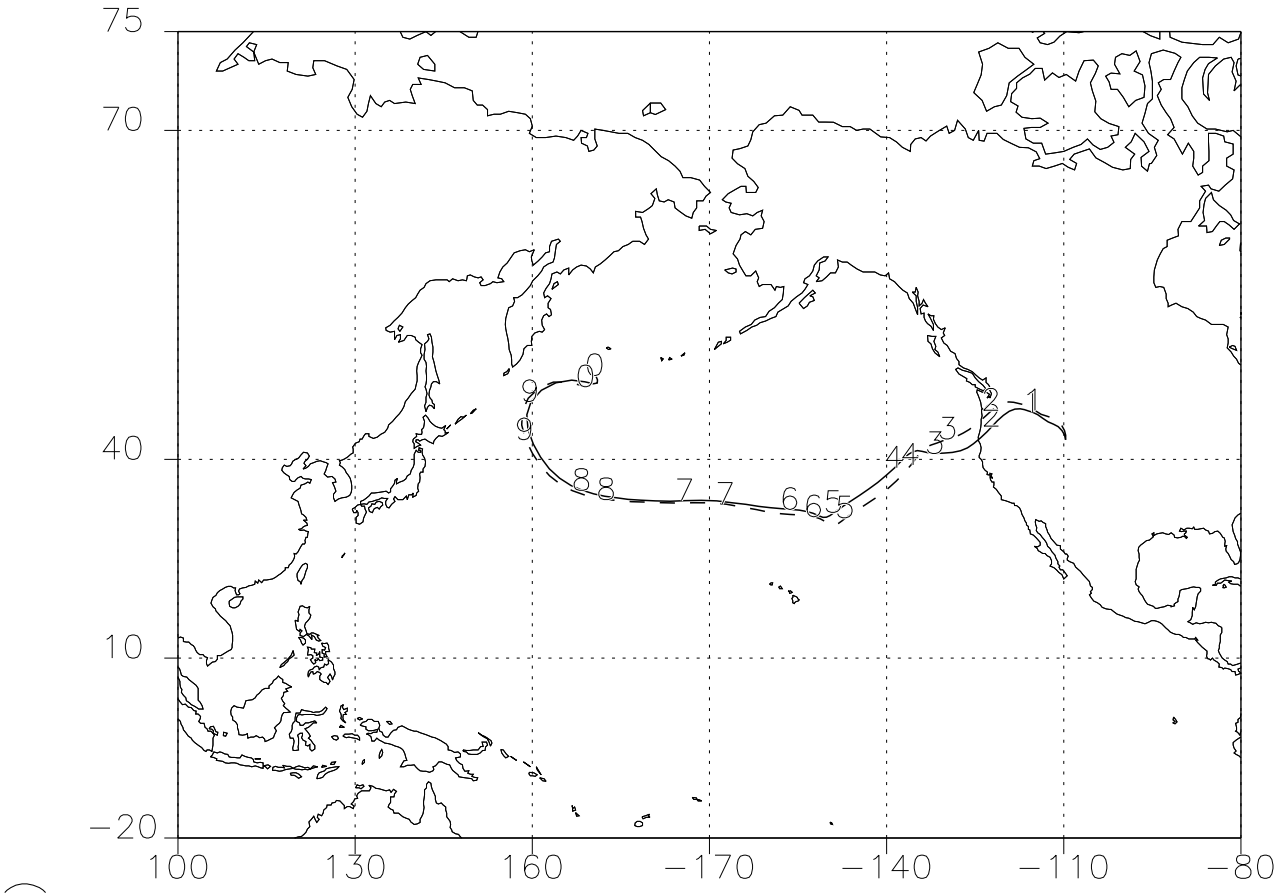
Day	km	hPa	C
0	2.4	760	−6
1	2.2	779	−4
2	2.5	749	−3
3	2.5	743	−3
4	1.3	867	6
5	0.8	925	12
6	0.8	920	13
7	1.2	883	12
8	1.6	843	10
9	2.0	799	8
10	1.8	821	14

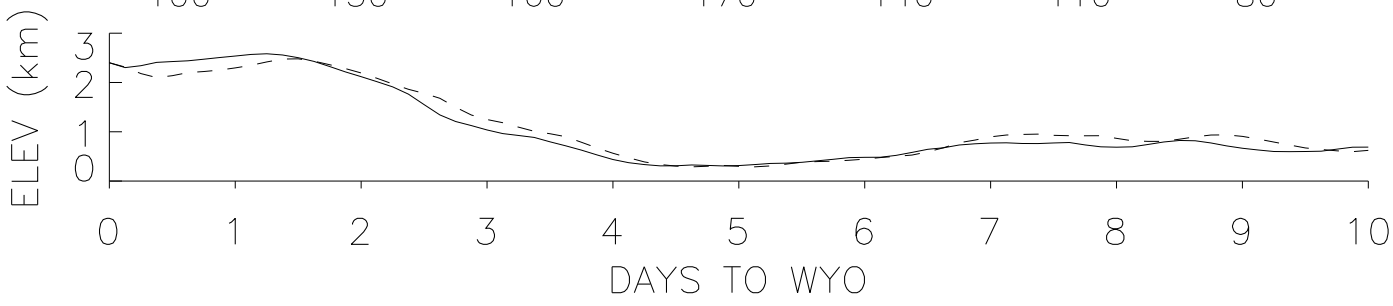
18UT

Day	km	hPa	C
0	2.4	761	−5
1	2.3	767	−6
2	2.1	783	−3
3	0.8	925	12
4	1.3	875	9
5	1.9	798	2
6	2.8	708	−8
7	3.7	614	−21
8	3.3	644	−24
9	3.1	665	−19
10	3.3	656	−21

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/31/2005 (Day of Year 31)
NCEP/NCAR Reanalysis 1 Data Set





00UT

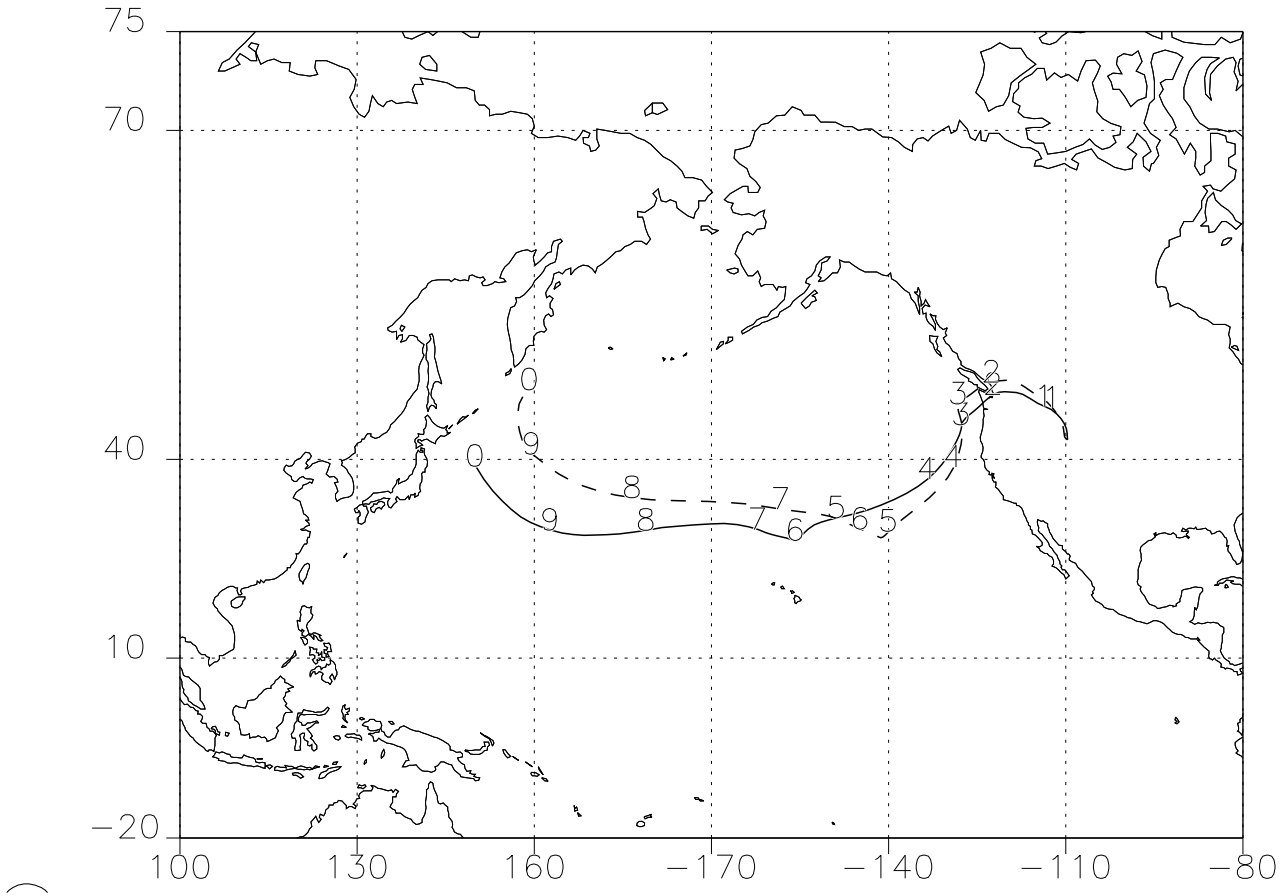
Day	km	hPa	C
0	2.4	761	−5
1	2.5	748	−6
2	2.1	780	−3
3	1.0	881	6
4	0.4	948	12
5	0.3	975	15
6	0.5	952	12
7	0.8	907	8
8	0.7	911	2
9	0.7	908	−5
10	0.7	921	−4

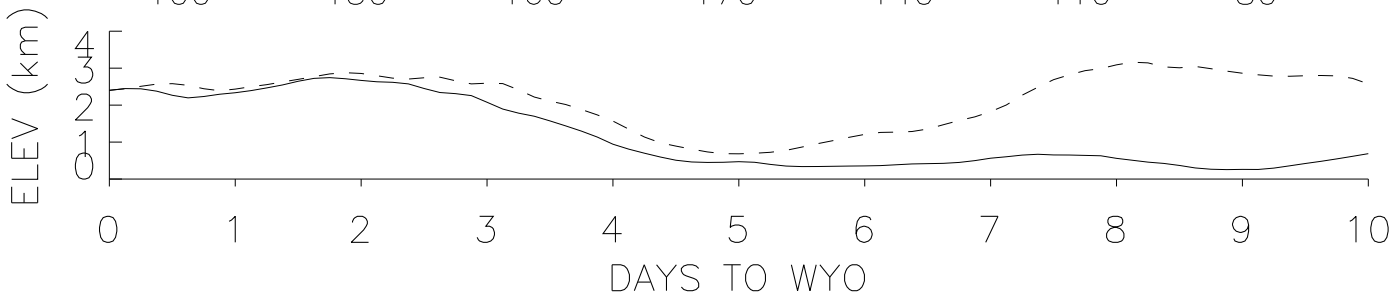
06UT

Day	km	hPa	C
0	2.4	764	−7
1	2.3	771	−7
2	2.2	776	−5
3	1.2	858	4
4	0.6	934	10
5	0.3	976	16
6	0.4	958	13
7	0.9	898	7
8	0.9	892	2
9	0.9	883	−6
10	0.6	927	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/31/2005 (Day of Year 31)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	2.4	764	−8
1	2.3	766	−6
2	2.7	731	−8
3	2.1	776	−1
4	0.9	893	9
5	0.5	958	13
6	0.4	972	16
7	0.6	944	13
8	0.6	935	13
9	0.3	976	12
10	0.7	921	−4

18UT

Day	km	hPa	C
0	2.4	765	−6
1	2.4	758	−6
2	2.9	715	−8
3	2.6	729	−5
4	1.6	830	4
5	0.7	937	12
6	1.2	878	8
7	1.8	806	1
8	3.1	675	−13
9	2.9	688	−20
10	2.6	710	−15

12UT − solid
18UT − dashed