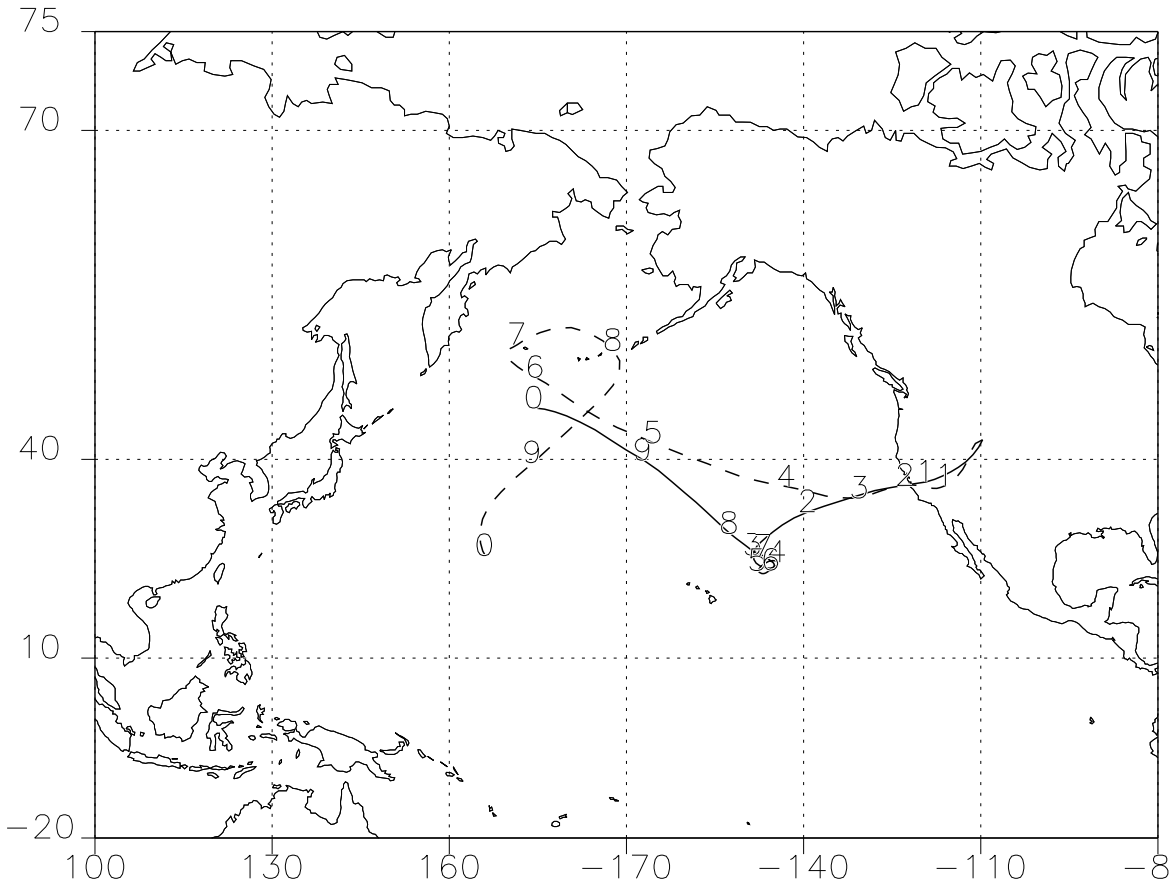
3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/1/2006 (Day of Year 1)
NCEP/NCAR Reanalysis 1 Data Set

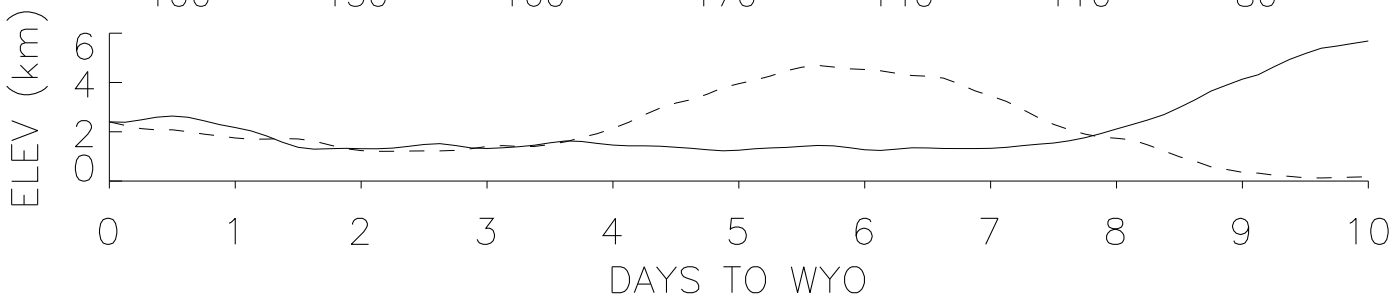


00UT

Day	km	hPa	C
0	2.4	745	2
1	2.2	779	7
2	1.3	870	14
3	1.3	873	16
4	1.5	859	13
5	1.3	879	15
6	1.3	876	13
7	1.3	871	10
8	2.1	789	3
9	4.1	594	−19
10	5.7	465	−39

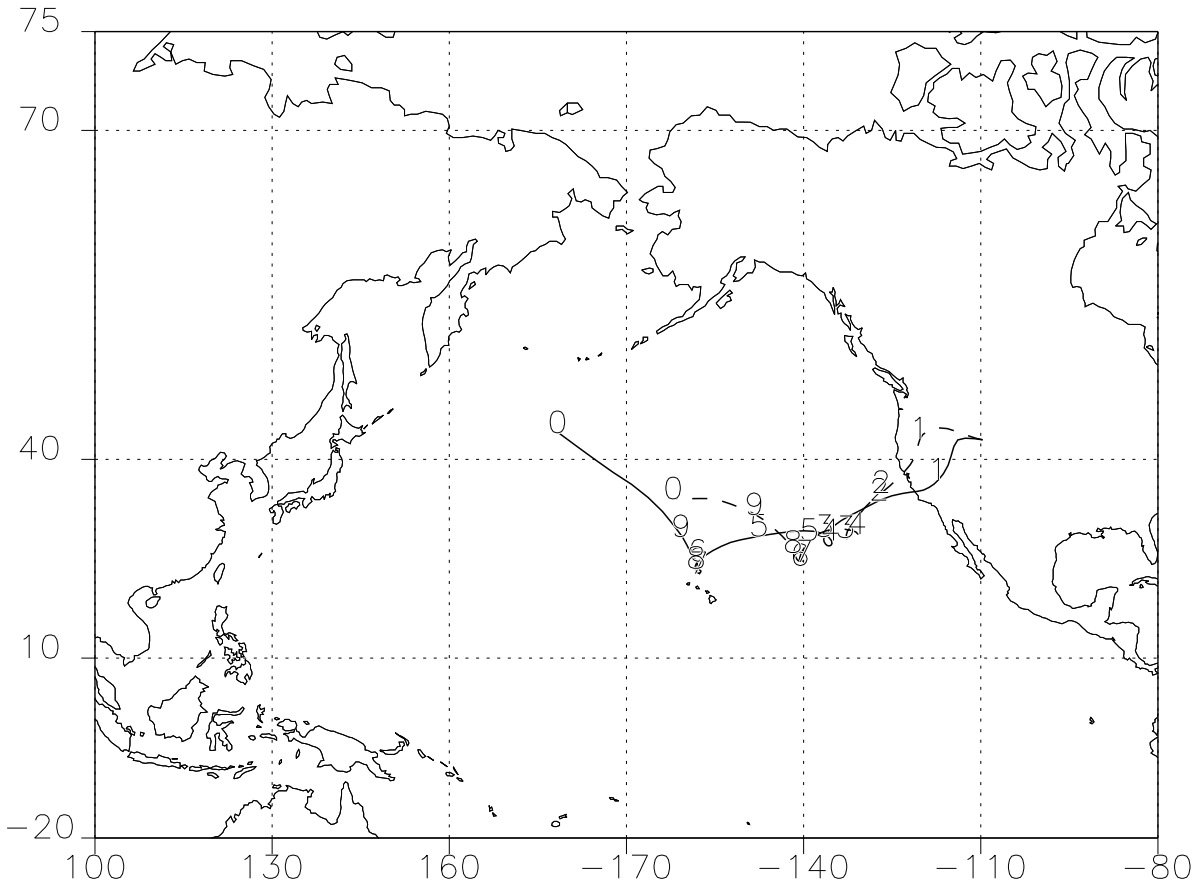
06UT

Day	km	hPa	C
0	2.4	744	0
1	1.7	821	8
2	1.2	878	8
3	1.4	866	7
4	2.1	781	−1
5	4.0	599	−20
6	4.5	544	−30
7	3.5	625	−21
8	1.7	775	−4
9	0.4	939	14
10	0.2	995	21



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/1/2006 (Day of Year 1)
NCEP/NCAR Reanalysis 1 Data Set

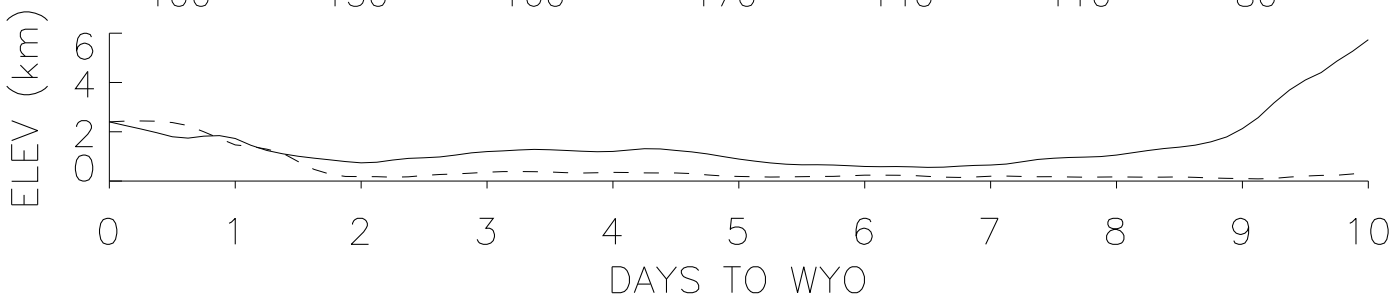


12UT

Day	km	hPa	C
0	2.4	746	−2
1	1.7	818	6
2	0.7	931	13
3	1.2	889	13
4	1.2	888	12
5	0.9	915	15
6	0.6	950	18
7	0.6	945	17
8	1.1	901	15
9	2.1	788	5
10	5.7	472	−32

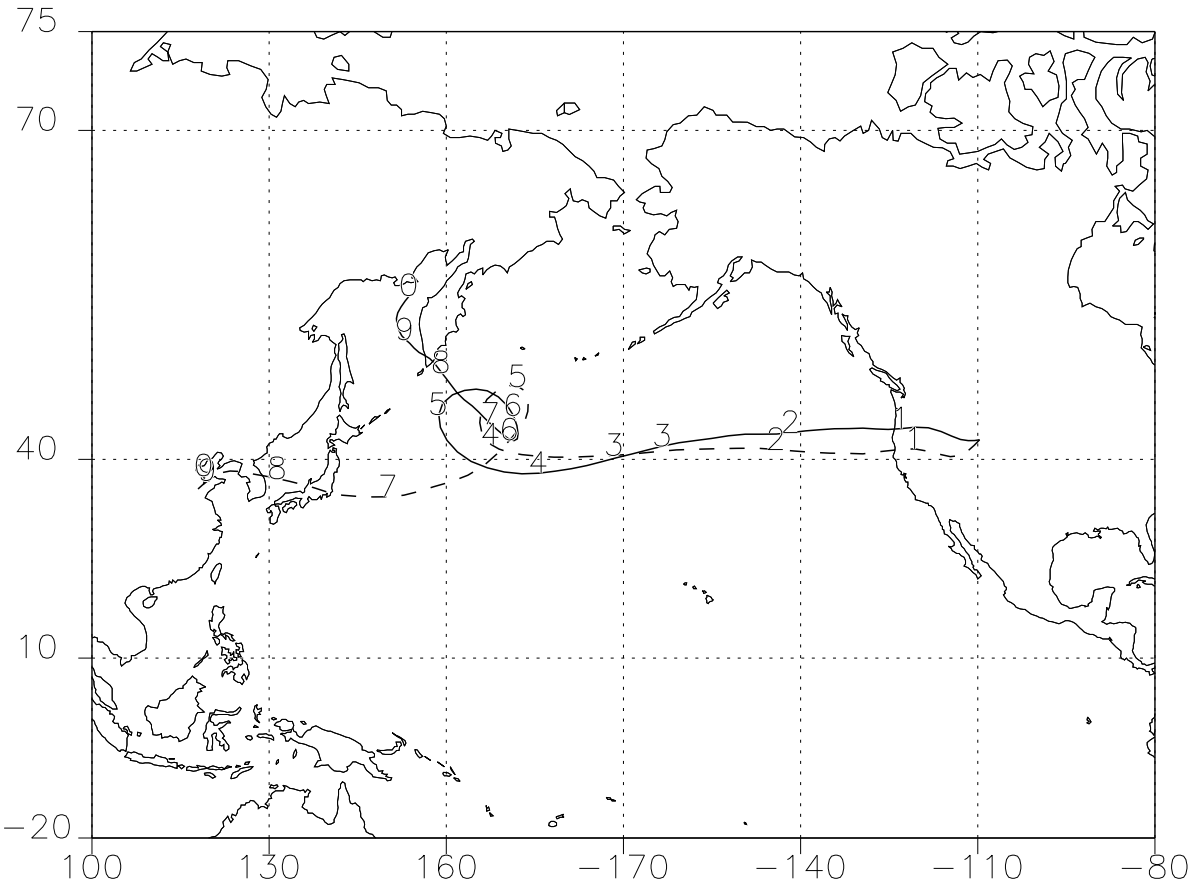
18UT

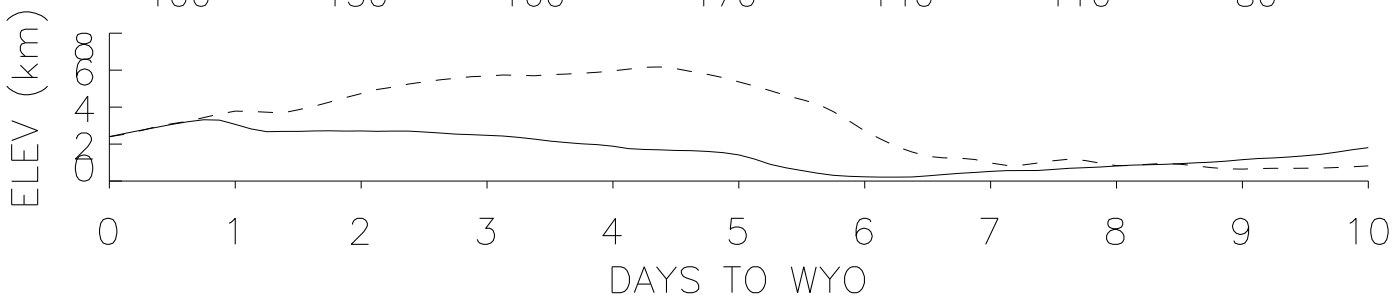
Day	km	hPa	C
0	2.4	752	−4
1	1.5	829	4
2	0.2	993	16
3	0.4	982	16
4	0.4	984	16
5	0.2	999	20
6	0.2	993	19
7	0.2	999	19
8	0.2	1000	18
9	0.1	999	16
10	0.4	960	11



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/2/2006 (Day of Year 2)
NCEP/NCAR Reanalysis 1 Data Set





00UT

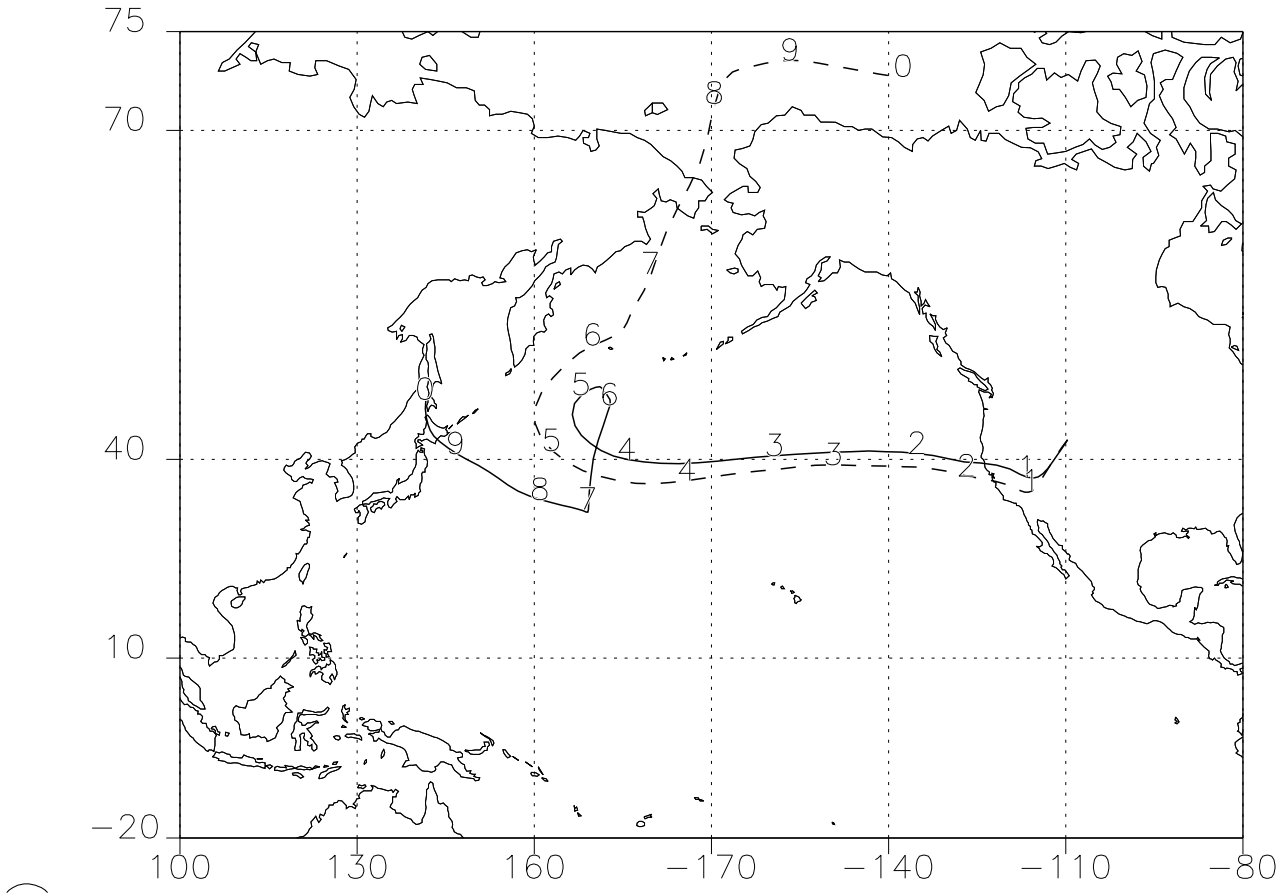
Day	km	hPa	C
0	2.4	753	−4
1	3.1	679	−10
2	2.7	703	−8
3	2.5	722	−7
4	1.9	778	−7
5	1.4	821	−10
6	0.2	968	0
7	0.5	943	−5
8	0.8	899	−11
9	1.2	856	−15
10	1.8	790	−19

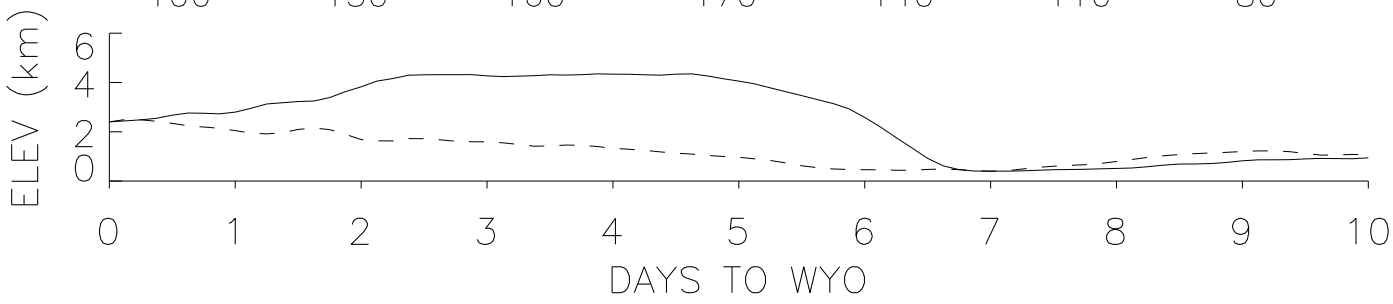
06UT

Day	km	hPa	C
0	2.4	754	−2
1	3.8	627	−13
2	4.7	542	−24
3	5.7	468	−36
4	6.0	445	−40
5	5.4	478	−34
6	2.7	700	−12
7	1.0	888	3
8	0.8	911	−3
9	0.6	943	0
10	0.8	923	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/2/2006 (Day of Year 2)
NCEP/NCAR Reanalysis 1 Data Set





12UT

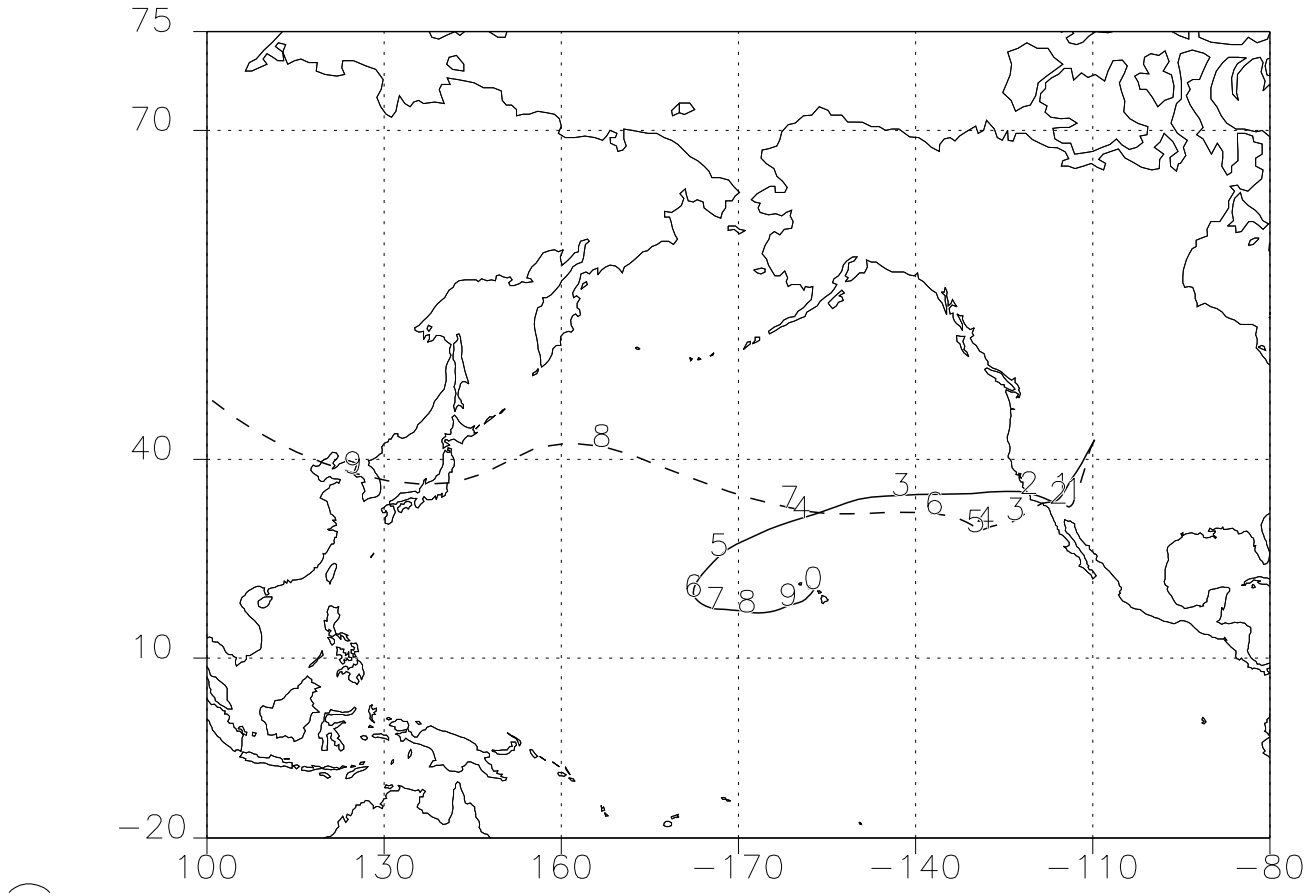
Day	km	hPa	C
0	2.4	753	−3
1	2.8	719	−4
2	3.8	615	−15
3	4.3	575	−22
4	4.3	562	−26
5	4.1	573	−26
6	2.6	706	−12
7	0.4	968	10
8	0.5	951	6
9	0.8	906	−6
10	0.9	887	−12

18UT

Day	km	hPa	C
0	2.4	753	−2
1	2.0	792	3
2	1.7	817	1
3	1.6	819	0
4	1.3	842	1
5	1.0	877	−5
6	0.5	932	−3
7	0.4	944	−13
8	0.8	904	−20
9	1.2	857	−21
10	1.1	872	−22

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/3/2006 (Day of Year 3)
NCEP/NCAR Reanalysis 1 Data Set

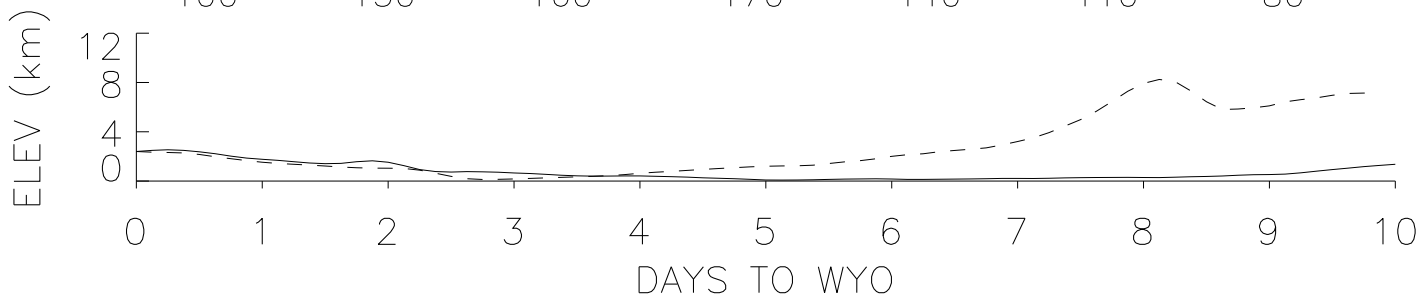


00UT

Day	km	hPa	C
0	2.4	752	0
1	1.8	819	6
2	1.5	841	5
3	0.7	929	12
4	0.4	960	17
5	0.1	999	24
6	0.2	996	26
7	0.2	991	24
8	0.3	982	23
9	0.5	957	19
10	1.4	868	15

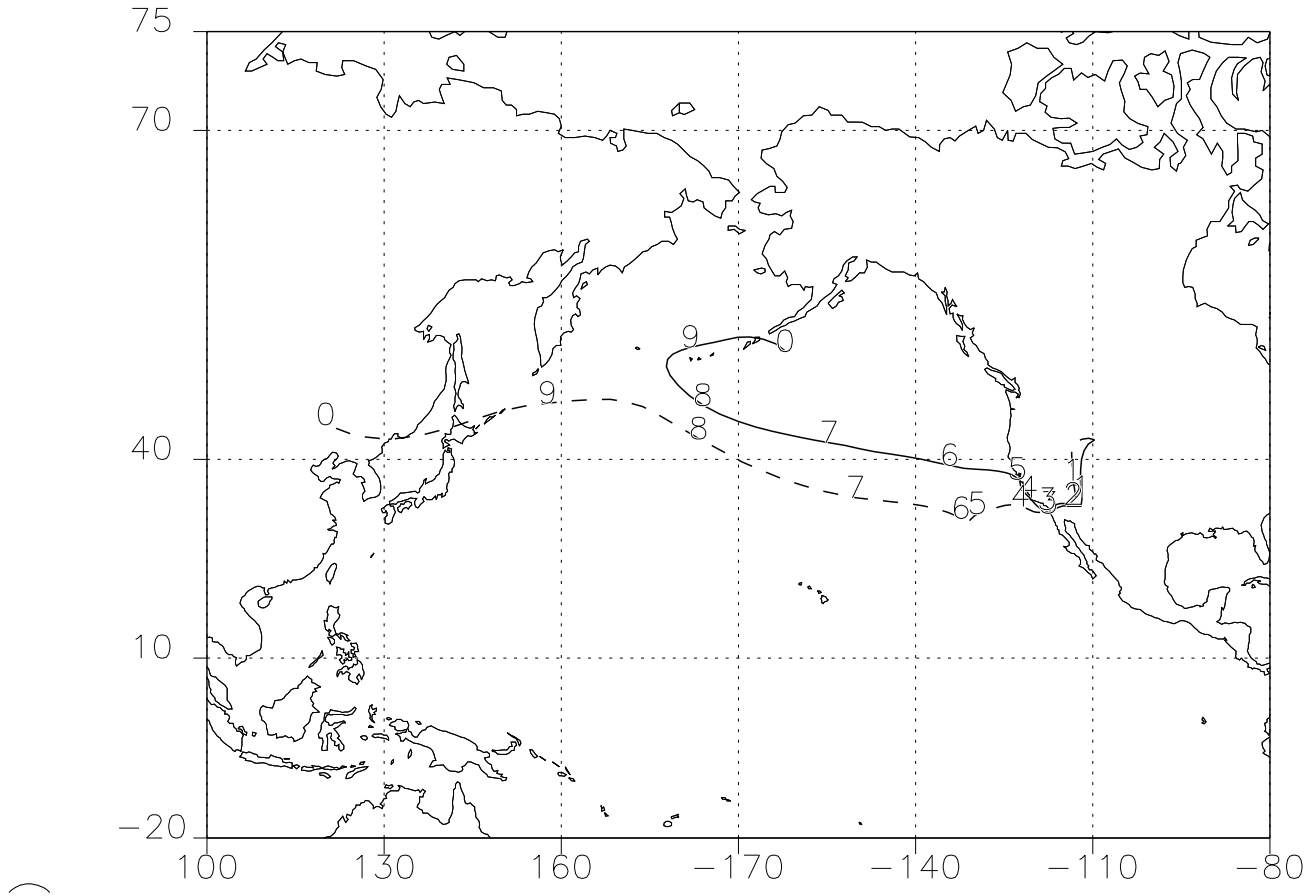
06UT

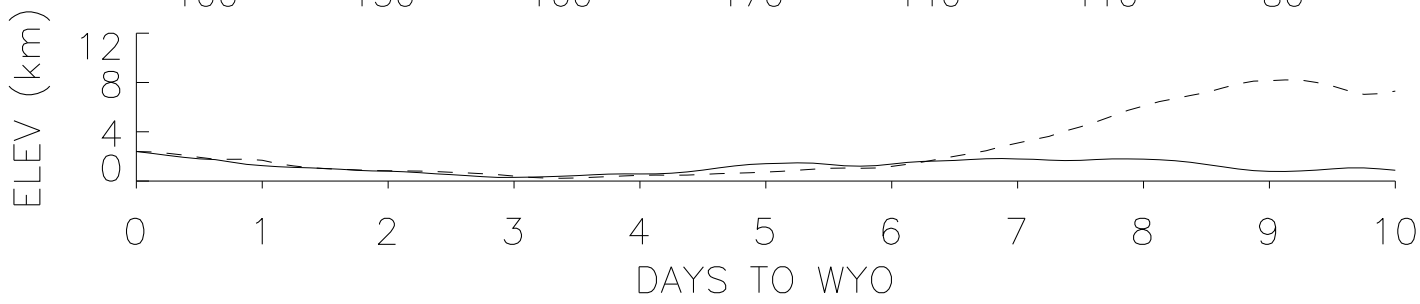
Day	km	hPa	C
0	2.4	750	0
1	1.5	844	7
2	1.0	895	10
3	0.2	997	16
4	0.6	949	14
5	1.2	890	11
6	2.0	801	5
7	3.2	680	−7
8	7.9	341	−50
9	6.1	452	−32



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/3/2006 (Day of Year 3)
NCEP/NCAR Reanalysis 1 Data Set





12UT

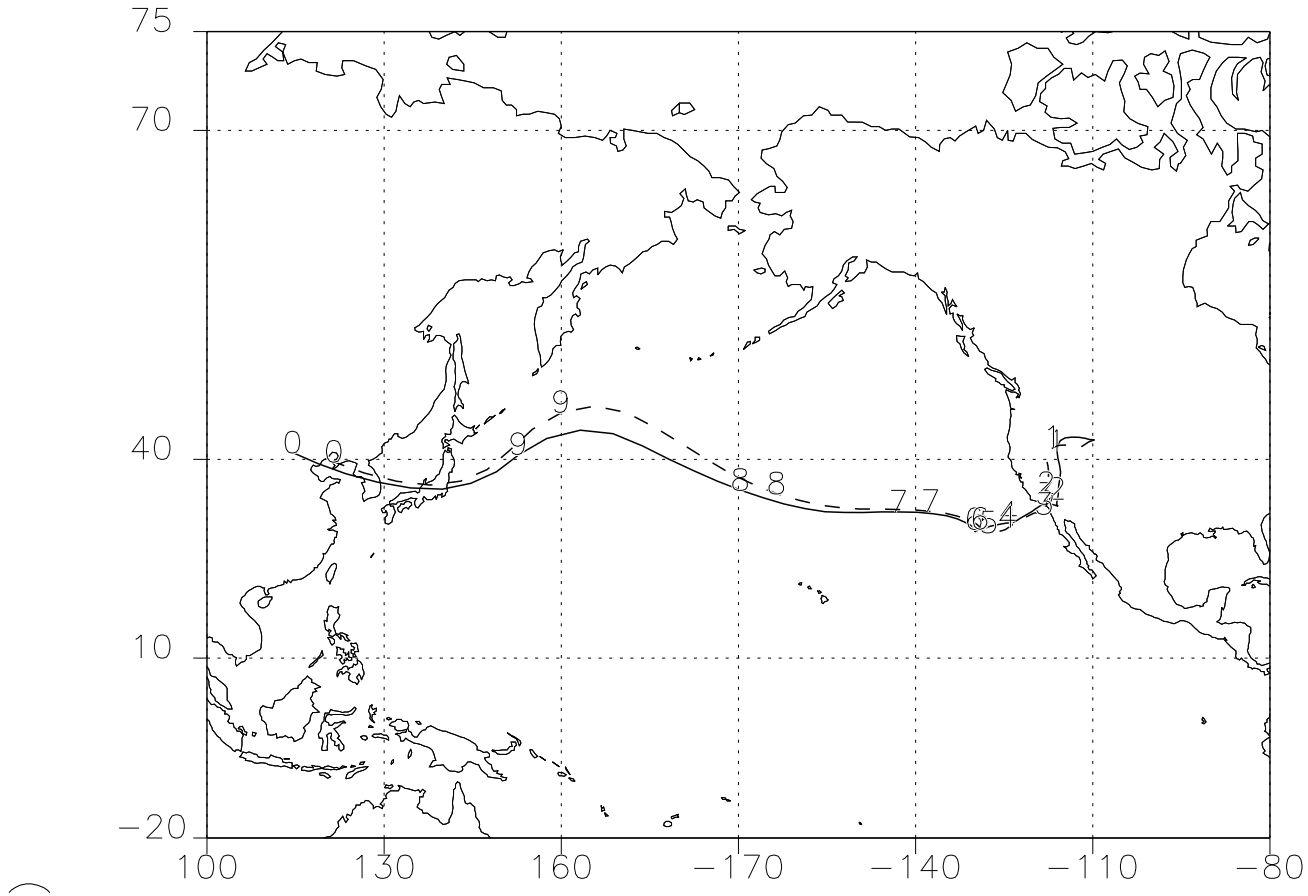
Day	km	hPa	C
0	2.4	751	−1
1	1.2	875	8
2	0.8	923	9
3	0.3	979	14
4	0.6	950	11
5	1.4	861	2
6	1.4	855	3
7	1.8	791	−4
8	1.8	783	−11
9	0.8	881	−2
10	0.9	869	0

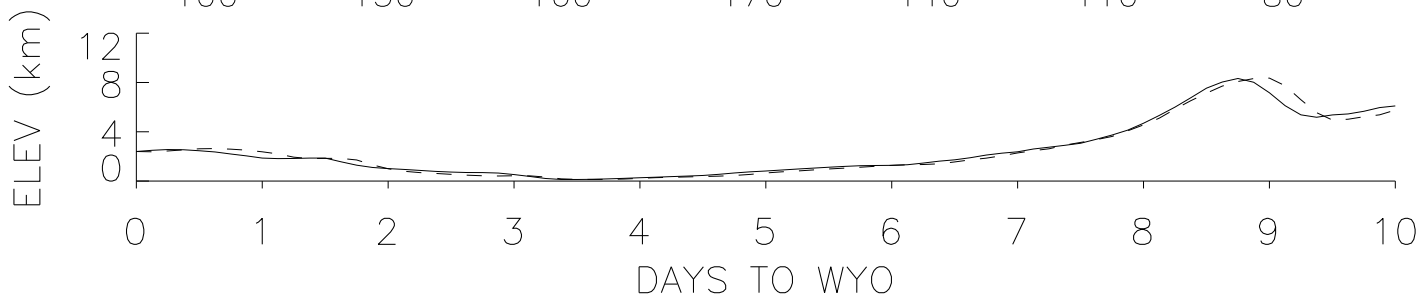
18UT

Day	km	hPa	C
0	2.4	757	−4
1	1.7	825	6
2	0.8	920	10
3	0.4	967	15
4	0.5	964	13
5	0.7	939	11
6	1.2	890	11
7	3.1	689	−9
8	6.1	442	−42
9	8.1	317	−59
10	7.3	367	−45

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/4/2006 (Day of Year 4)
NCEP/NCAR Reanalysis 1 Data Set





00UT

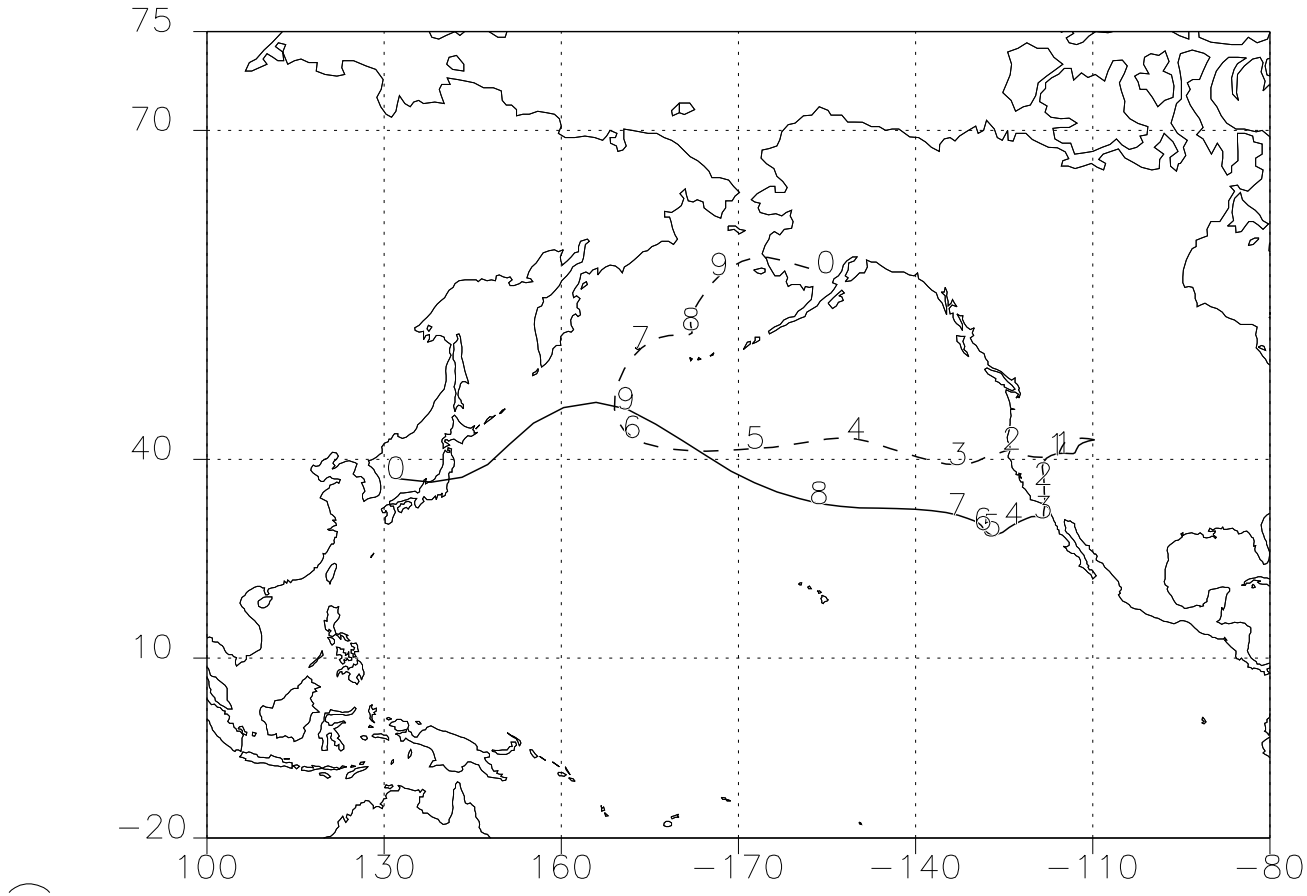
Day	km	hPa	C
0	2.4	761	−4
1	1.9	799	2
2	1.0	897	11
3	0.5	951	13
4	0.3	987	15
5	0.8	927	12
6	1.3	880	11
7	2.4	762	0
8	4.7	555	−21
9	7.2	382	−43
10	6.1	456	−33

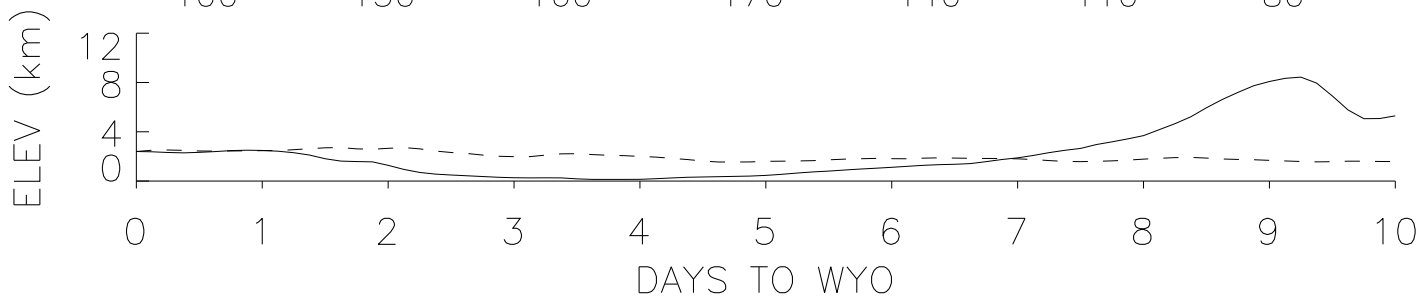
06UT

Day	km	hPa	C
0	2.4	763	−4
1	2.4	752	−3
2	1.0	896	9
3	0.4	964	14
4	0.2	992	16
5	0.7	947	13
6	1.3	882	11
7	2.3	774	2
8	4.6	566	−19
9	8.4	313	−57
10	5.8	474	−31

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/4/2006 (Day of Year 4)
NCEP/NCAR Reanalysis 1 Data Set





12UT

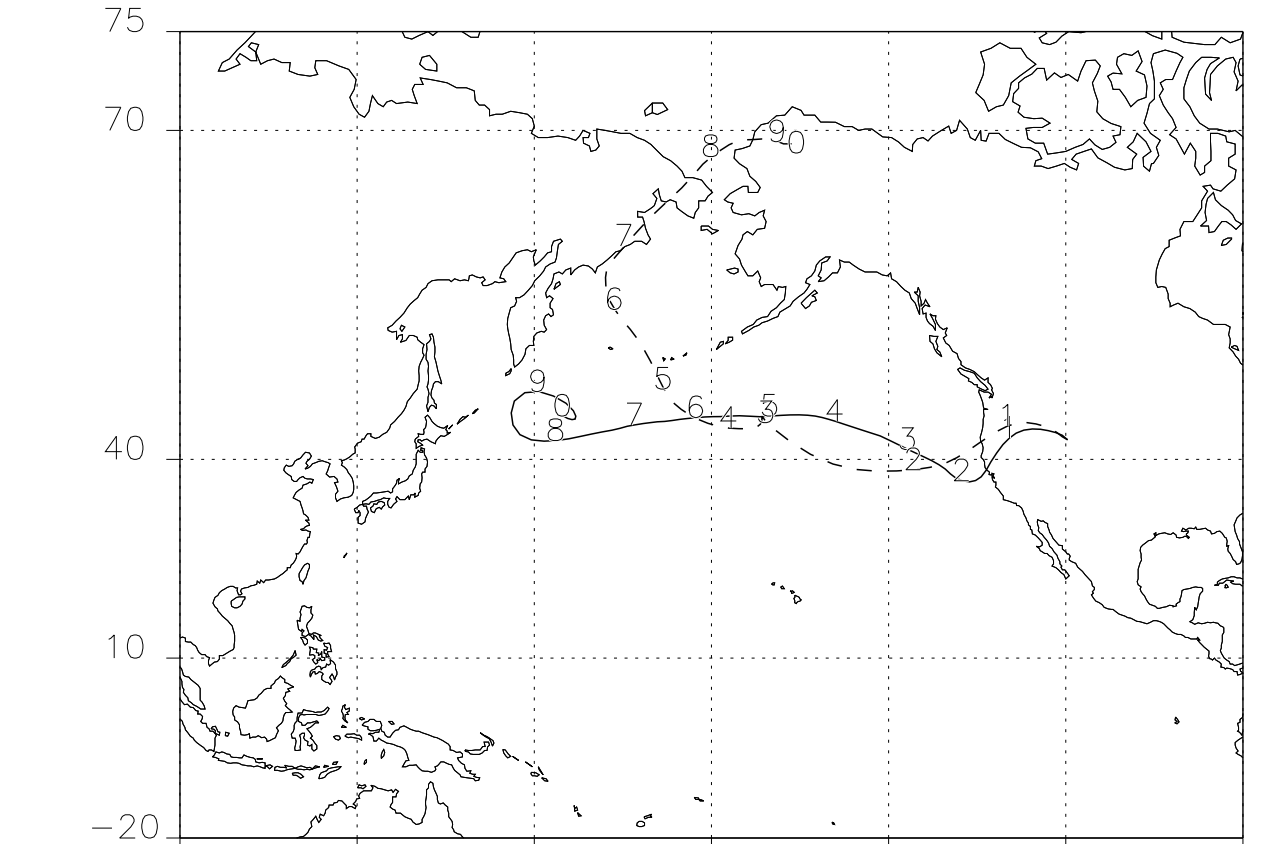
Day	km	hPa	C
0	2.4	763	−5
1	2.5	748	−4
2	1.3	863	7
3	0.3	983	14
4	0.1	999	17
5	0.5	967	14
6	1.1	898	11
7	1.9	816	7
8	3.7	638	−12
9	8.1	327	−54
10	5.3	502	−28

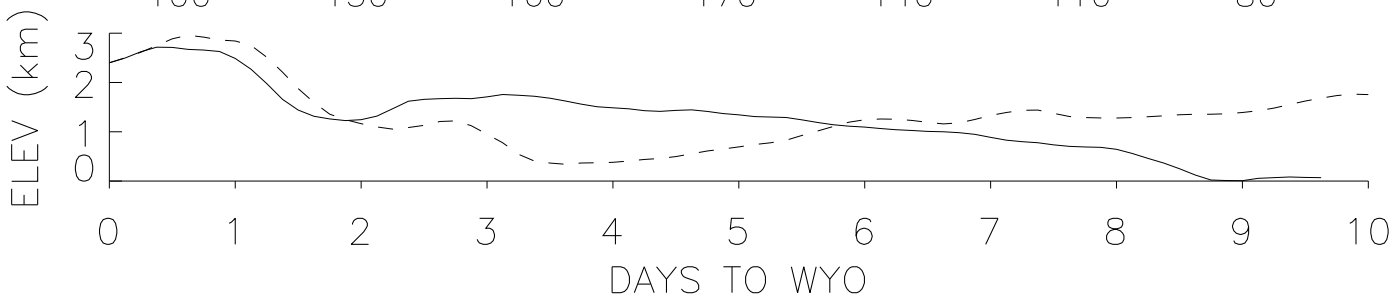
18UT

Day	km	hPa	C
0	2.4	766	−6
1	2.5	754	−5
2	2.7	722	−6
3	2.0	780	−3
4	2.0	769	−5
5	1.6	813	−3
6	1.8	785	−10
7	1.8	777	−11
8	1.8	787	−11
9	1.7	793	−9
10	1.6	806	−5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/5/2006 (Day of Year 5)
NCEP/NCAR Reanalysis 1 Data Set





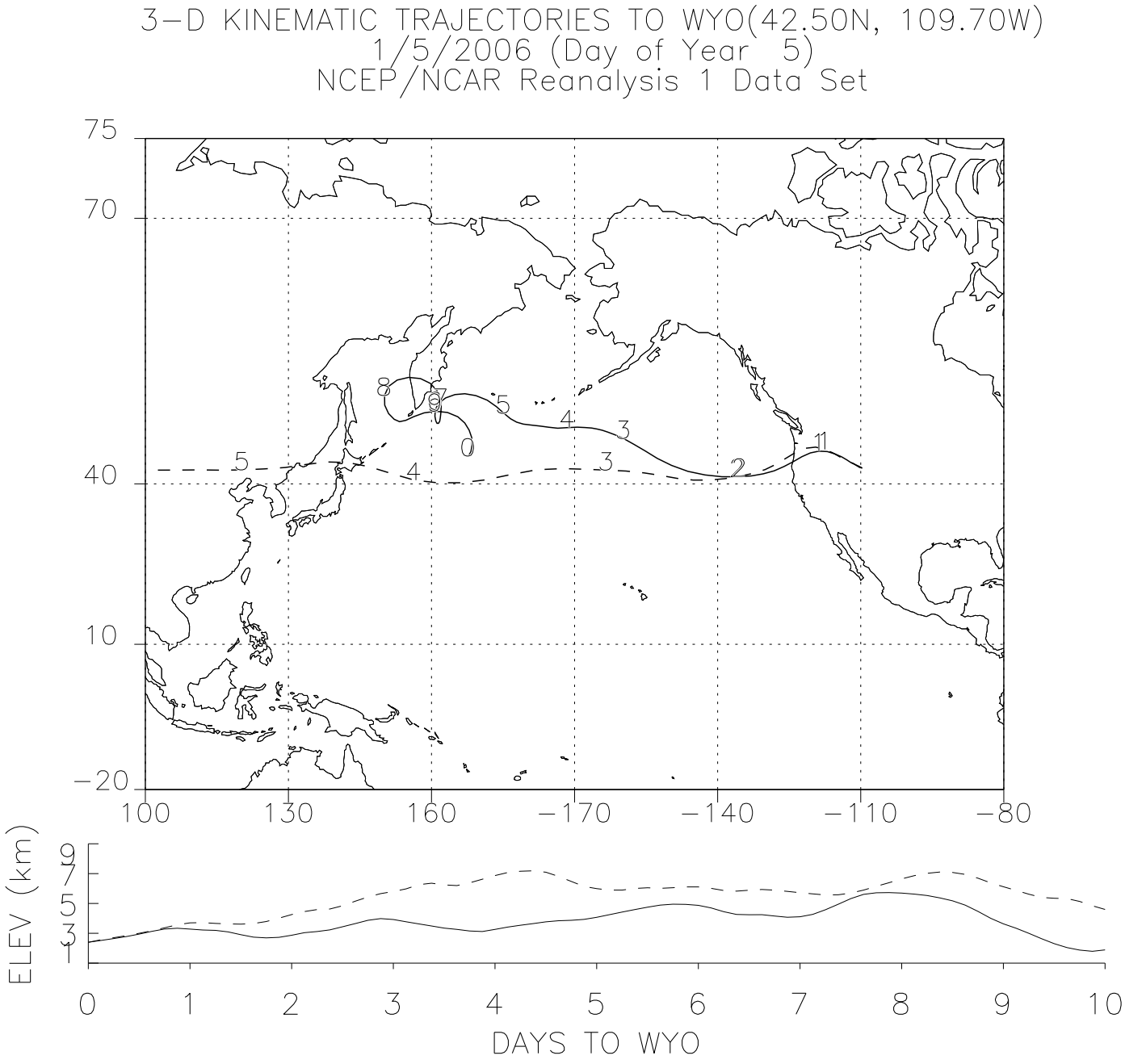
00UT

Day	km	hPa	C
0	2.4	770	−5
1	2.5	750	−6
2	1.2	870	3
3	1.7	805	−5
4	1.5	818	−4
5	1.3	833	−4
6	1.1	852	−2
7	0.9	869	−2
8	0.6	902	−3
9	0.0	979	1
10	0.1	1000	−1

06UT

Day	km	hPa	C
0	2.4	773	−7
1	2.8	719	−10
2	1.2	871	3
3	0.9	873	−1
4	0.4	957	2
5	0.7	912	−5
6	1.2	845	−16
7	1.3	836	−22
8	1.3	848	−15
9	1.4	835	−12
10	1.8	792	−11

00UT − solid
06UT − dashed



12UT

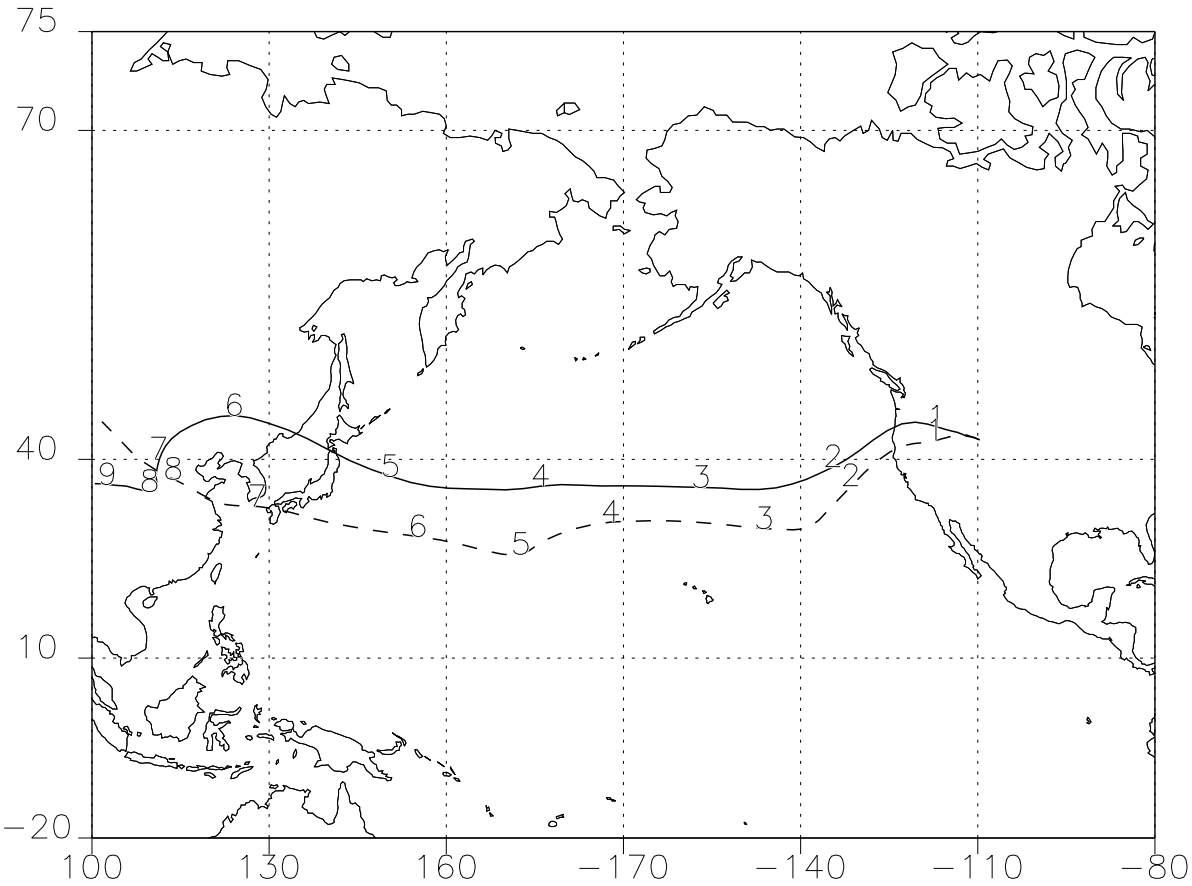
Day	km	hPa	C
0	2.4	772	−5
1	3.3	681	−12
2	2.9	699	−9
3	3.9	594	−24
4	3.3	653	−19
5	4.1	586	−24
6	4.9	523	−34
7	4.1	582	−25
8	5.7	462	−41
9	3.6	612	−23
10	1.9	792	−12

18UT

Day	km	hPa	C
0	2.4	774	−3
1	3.7	648	−12
2	4.3	587	−20
3	5.8	466	−37
4	6.9	402	−44
5	6.0	462	−34
6	6.1	462	−35
7	5.7	490	−30
8	6.6	427	−39
9	6.1	457	−34
10	4.6	561	−20

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/6/2006 (Day of Year 6)
NCEP/NCAR Reanalysis 1 Data Set

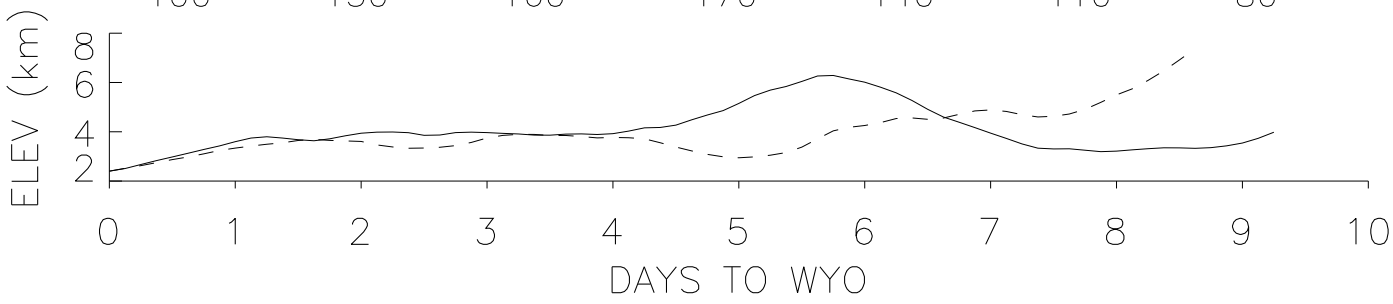


00UT

Day	km	hPa	C
0	2.4	772	2
1	3.6	660	−7
2	3.9	619	−12
3	4.0	613	−15
4	3.9	620	−12
5	5.2	519	−25
6	6.0	462	−33
7	3.9	624	−12
8	3.2	688	−2
9	3.5	658	−8

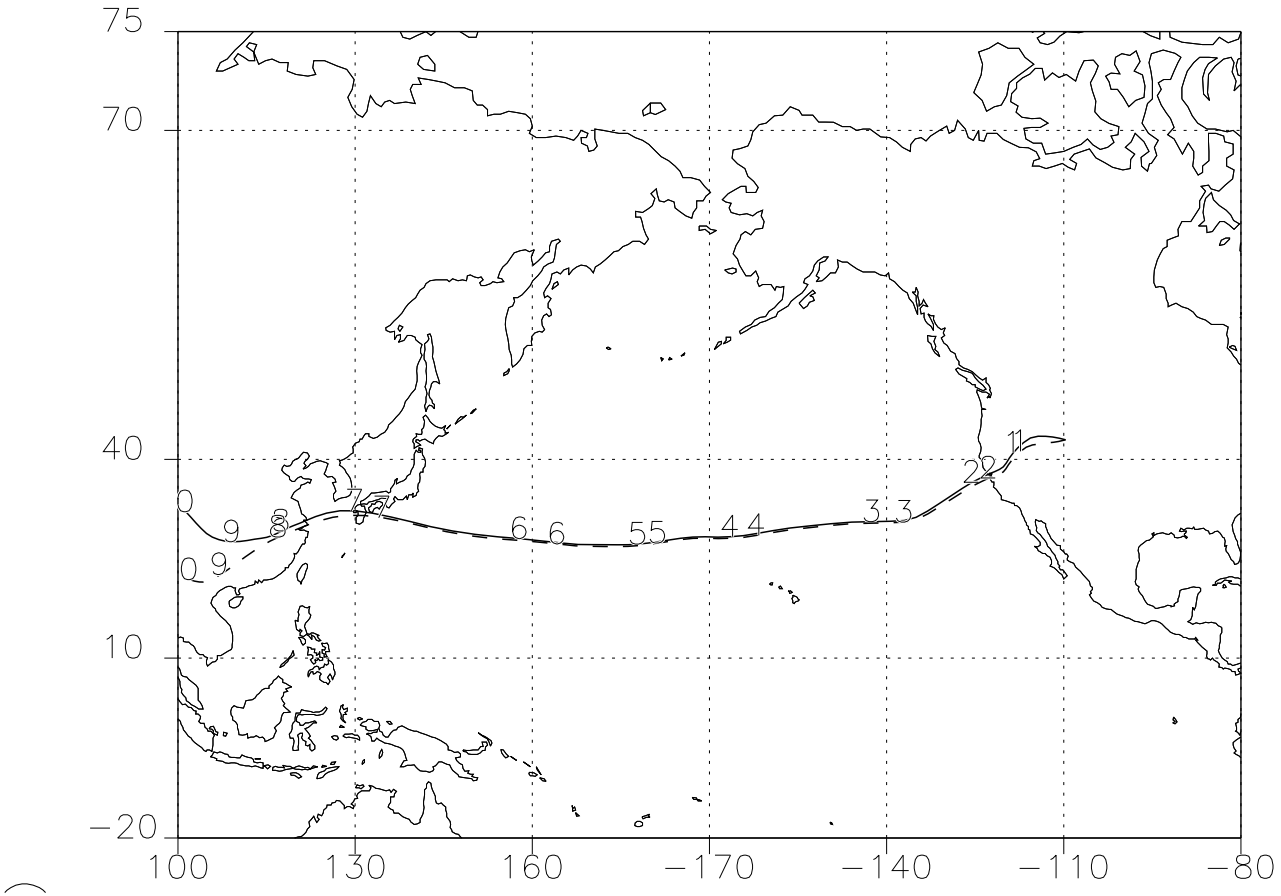
06UT

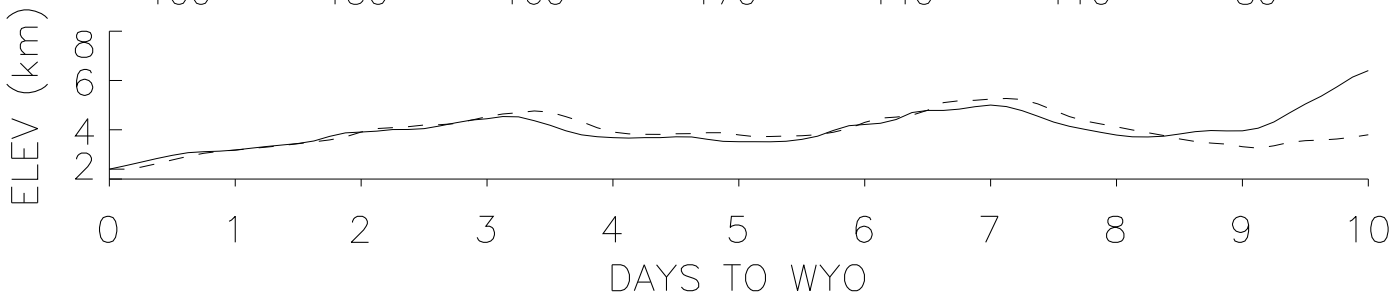
Day	km	hPa	C
0	2.4	771	1
1	3.3	687	−1
2	3.6	654	−4
3	3.7	645	−5
4	3.8	645	−2
5	2.9	717	8
6	4.3	603	−7
7	4.9	556	−13
8	5.5	510	−19



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/6/2006 (Day of Year 6)
NCEP/NCAR Reanalysis 1 Data Set





12UT

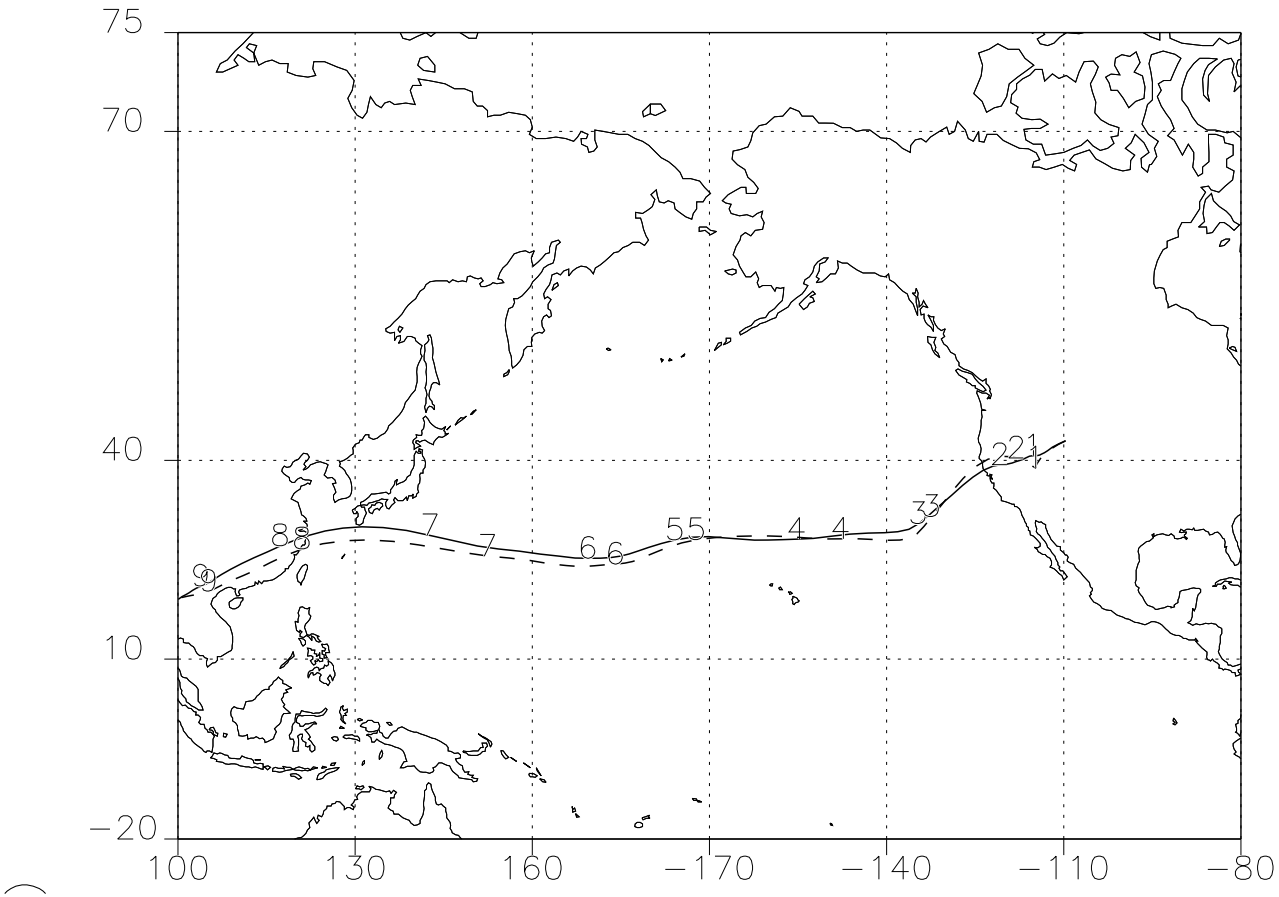
Day	km	hPa	C
0	2.4	769	2
1	3.2	701	3
2	3.9	635	−5
3	4.4	587	−10
4	3.7	654	1
5	3.5	670	4
6	4.2	607	−6
7	5.0	548	−14
8	3.8	645	−2
9	4.0	629	−2
10	6.4	453	−26

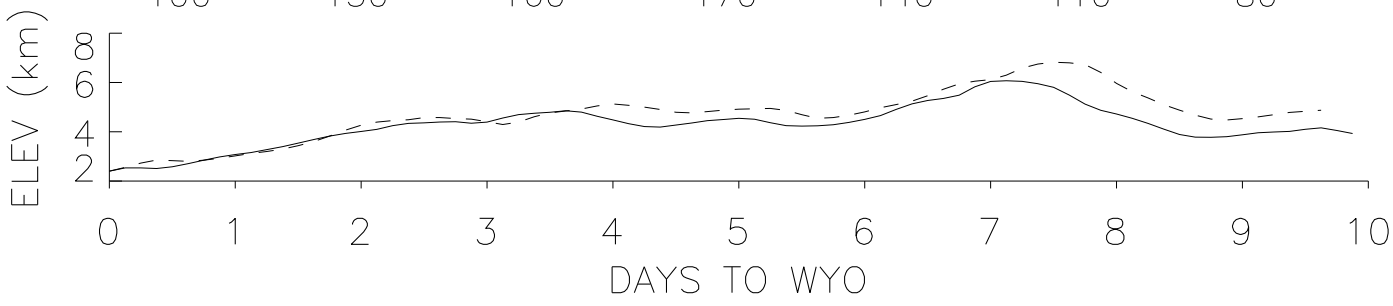
18UT

Day	km	hPa	C
0	2.4	768	2
1	3.2	702	3
2	3.9	639	−2
3	4.5	583	−8
4	3.9	635	−3
5	3.8	647	1
6	4.3	602	−4
7	5.2	529	−16
8	4.1	618	−4
9	3.3	686	6
10	3.8	645	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/7/2006 (Day of Year 7)
NCEP/NCAR Reanalysis 1 Data Set





00UT

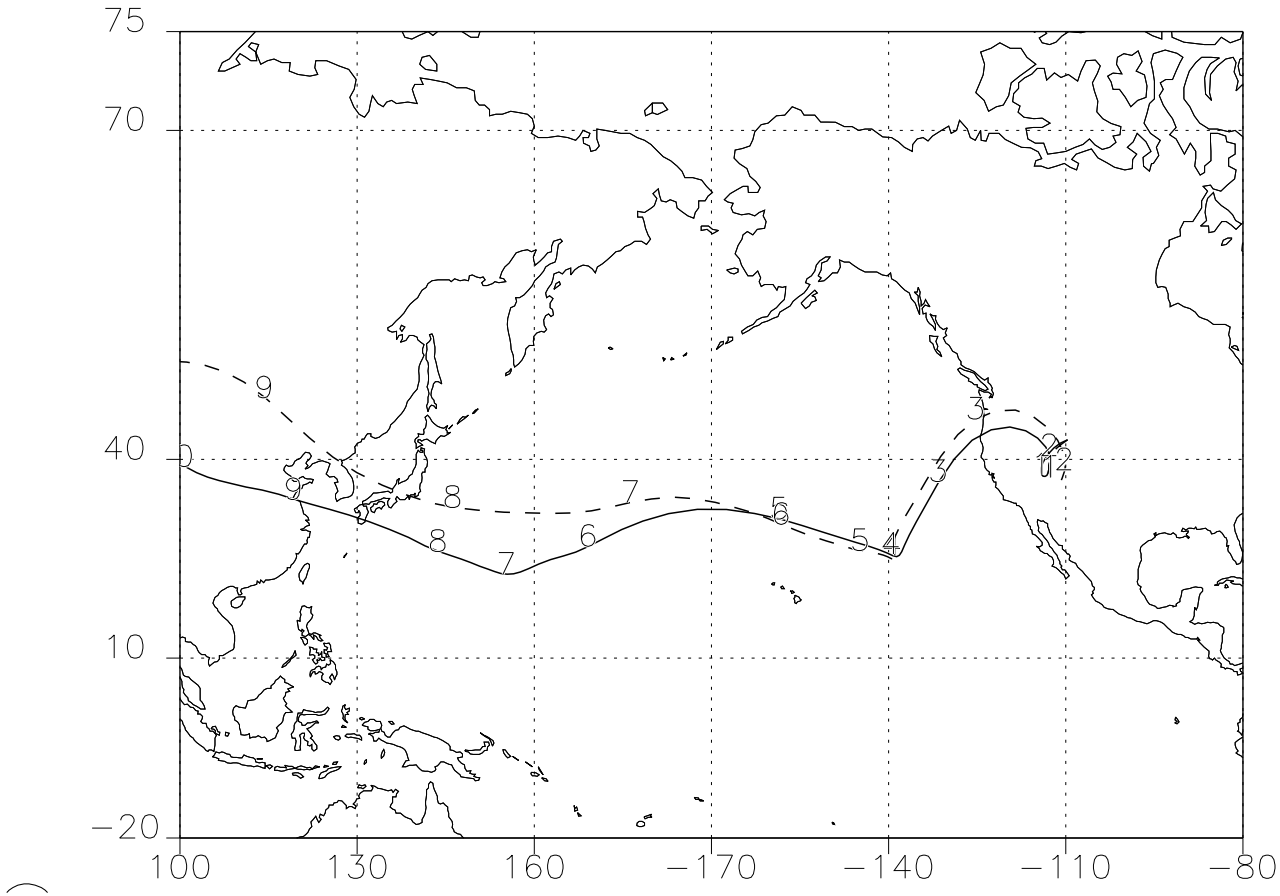
Day	km	hPa	C
0	2.4	765	6
1	3.1	711	3
2	4.0	631	−3
3	4.4	595	−5
4	4.5	589	−6
5	4.5	589	−4
6	4.5	592	−2
7	6.0	478	−18
8	4.7	573	−7
9	3.9	639	3

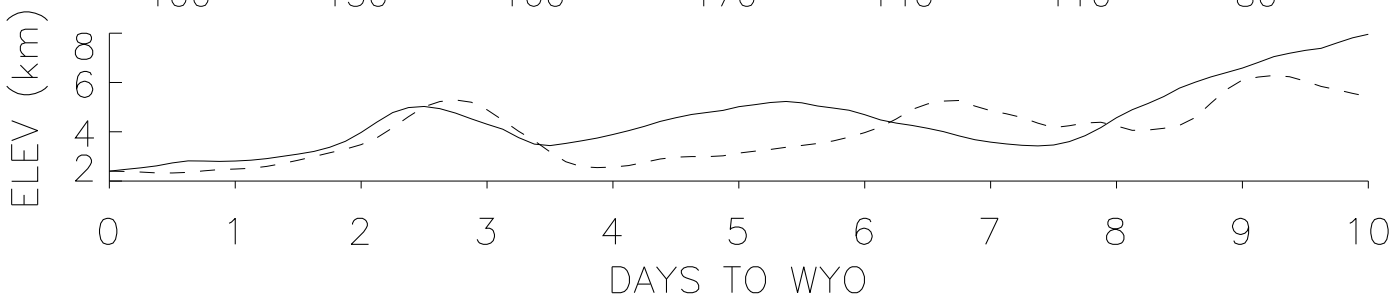
06UT

Day	km	hPa	C
0	2.4	761	4
1	3.0	715	4
2	4.3	612	−5
3	4.4	596	−4
4	5.1	542	−11
5	4.9	562	−7
6	4.8	571	−3
7	6.1	479	−13
8	6.0	489	−13
9	4.5	591	1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/7/2006 (Day of Year 7)
NCEP/NCAR Reanalysis 1 Data Set





12UT

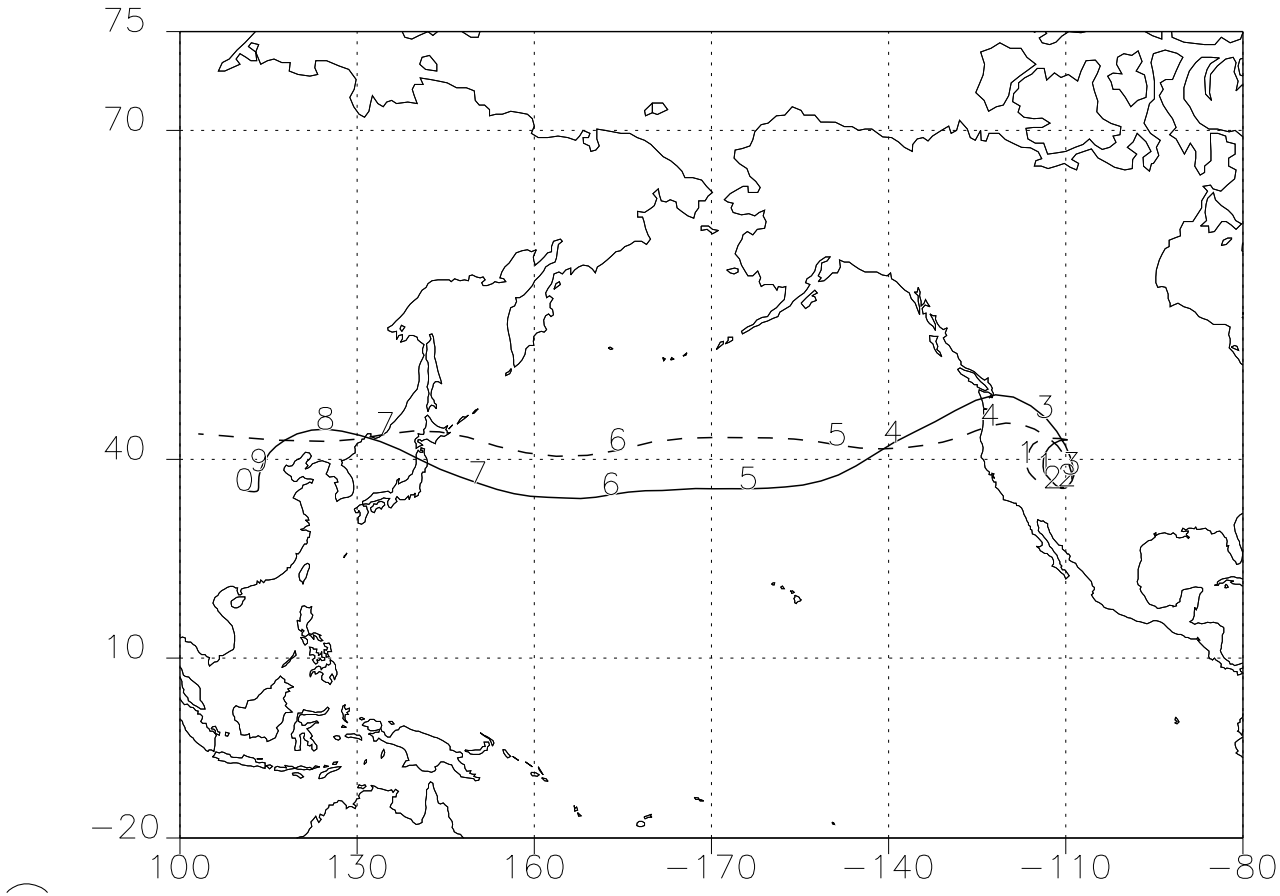
Day	km	hPa	C
0	2.4	758	5
1	2.8	732	5
2	4.0	635	−4
3	4.3	597	−8
4	3.9	637	−1
5	5.0	546	−11
6	4.7	576	−6
7	3.6	665	4
8	4.6	584	−5
9	6.6	443	−26
10	8.0	362	−39

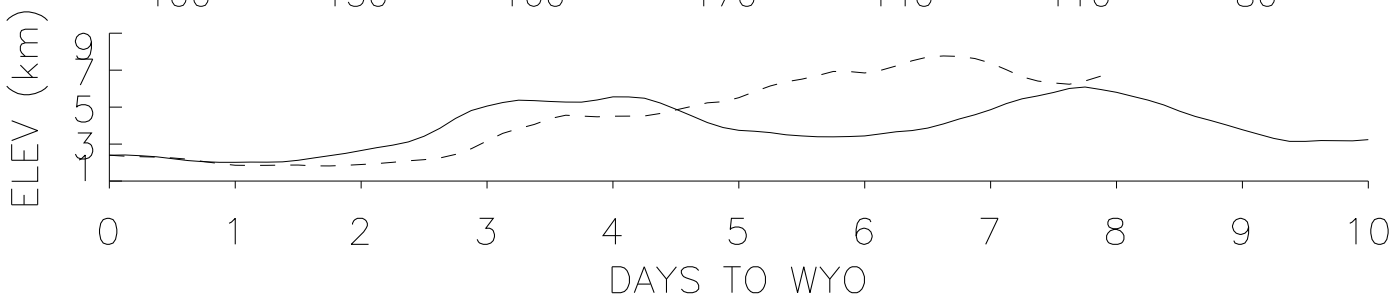
18UT

Day	km	hPa	C
0	2.4	754	1
1	2.5	762	5
2	3.5	677	−1
3	4.9	554	−14
4	2.6	749	7
5	3.1	699	3
6	4.0	628	−4
7	4.9	550	−18
8	4.2	594	−15
9	6.1	457	−33
10	5.4	504	−27

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/8/2006 (Day of Year 8)
NCEP/NCAR Reanalysis 1 Data Set





00UT

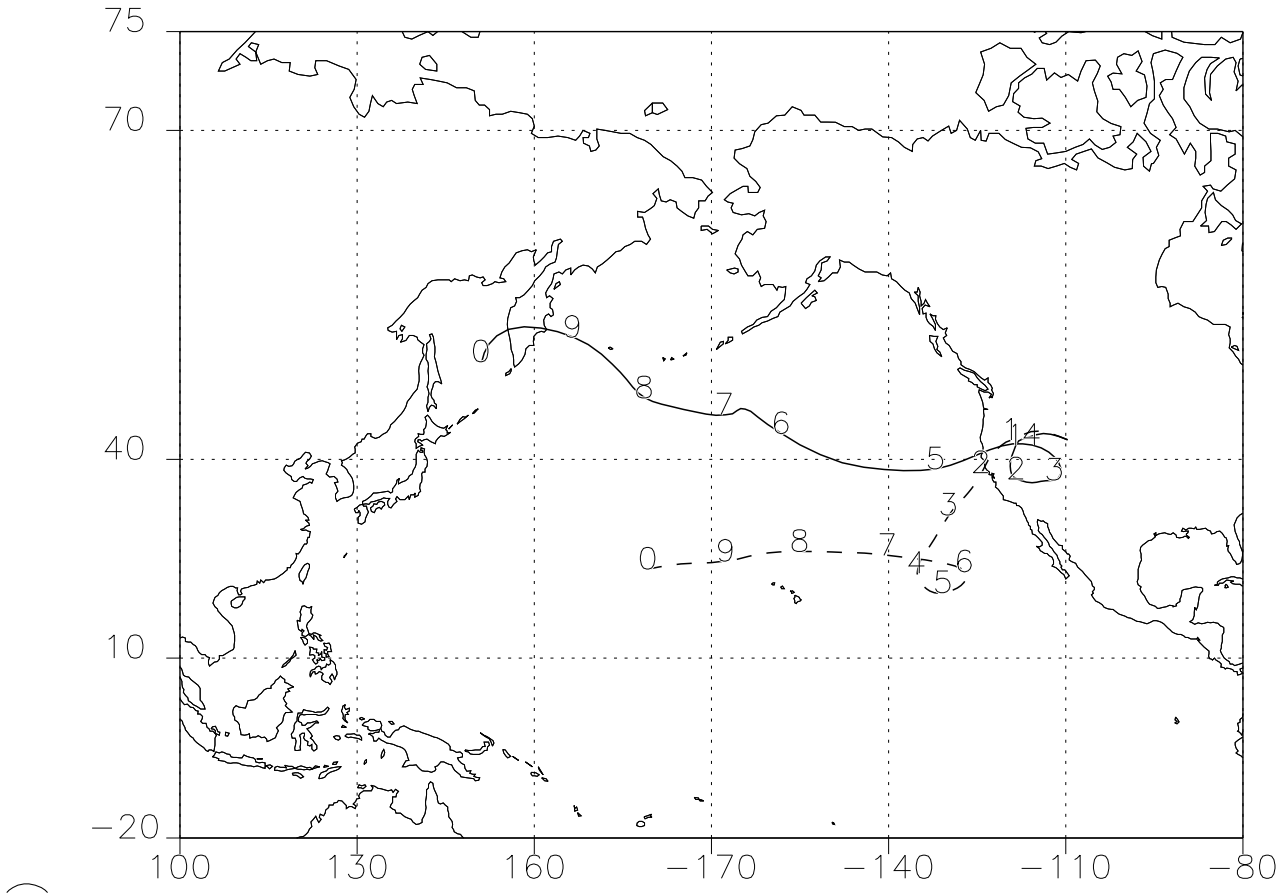
Day	km	hPa	C
0	2.4	753	0
1	2.0	803	11
2	2.7	750	5
3	5.1	543	−19
4	5.6	489	−28
5	3.7	633	−15
6	3.4	662	−10
7	4.9	542	−23
8	5.8	478	−31
9	3.8	639	−10
10	3.2	686	−3

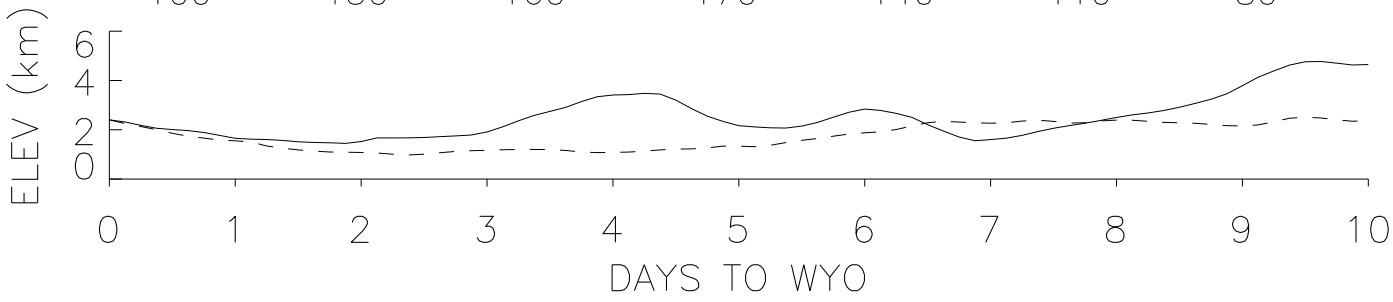
06UT

Day	km	hPa	C
0	2.4	753	−3
1	1.9	814	5
2	1.9	822	5
3	3.2	700	−6
4	4.5	575	−21
5	5.5	484	−33
6	6.8	403	−42
7	7.4	371	−46

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/8/2006 (Day of Year 8)
NCEP/NCAR Reanalysis 1 Data Set





12UT

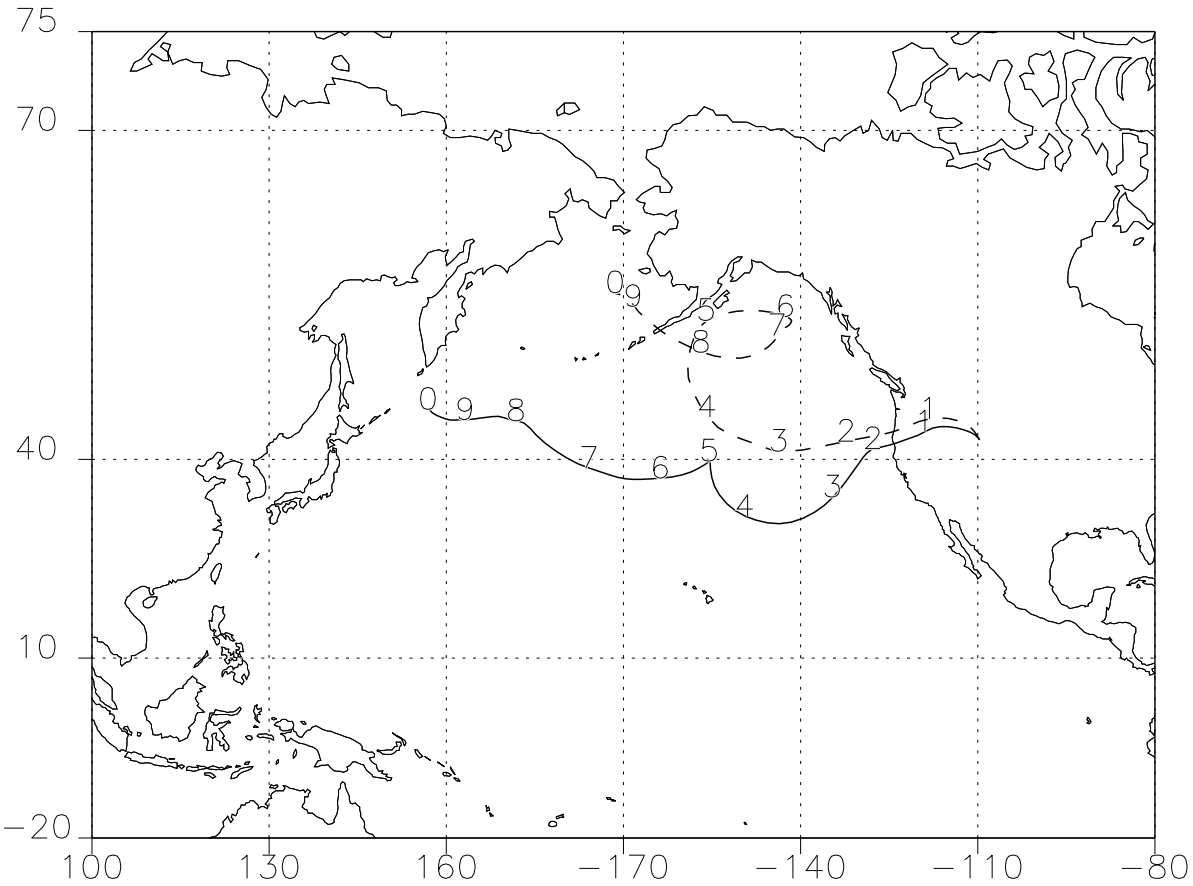
Day	km	hPa	C
0	2.4	755	−5
1	1.7	828	3
2	1.5	856	10
3	1.9	821	2
4	3.4	673	−11
5	2.2	772	−3
6	2.8	691	−14
7	1.6	818	−8
8	2.5	725	−15
9	3.8	605	−27
10	4.6	538	−36

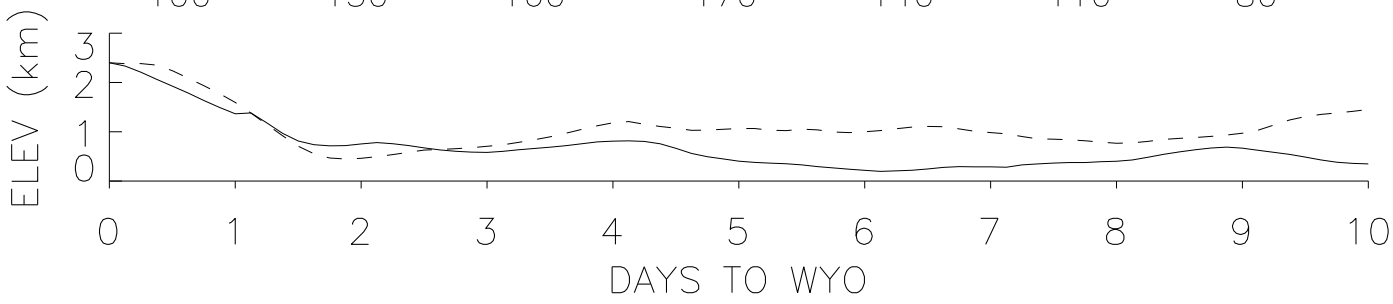
18UT

Day	km	hPa	C
0	2.4	757	−7
1	1.6	840	1
2	1.1	896	11
3	1.2	890	13
4	1.1	899	14
5	1.3	870	12
6	1.9	815	10
7	2.3	777	9
8	2.4	768	9
9	2.2	789	12
10	2.4	765	11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/9/2006 (Day of Year 9)
NCEP/NCAR Reanalysis 1 Data Set





00UT

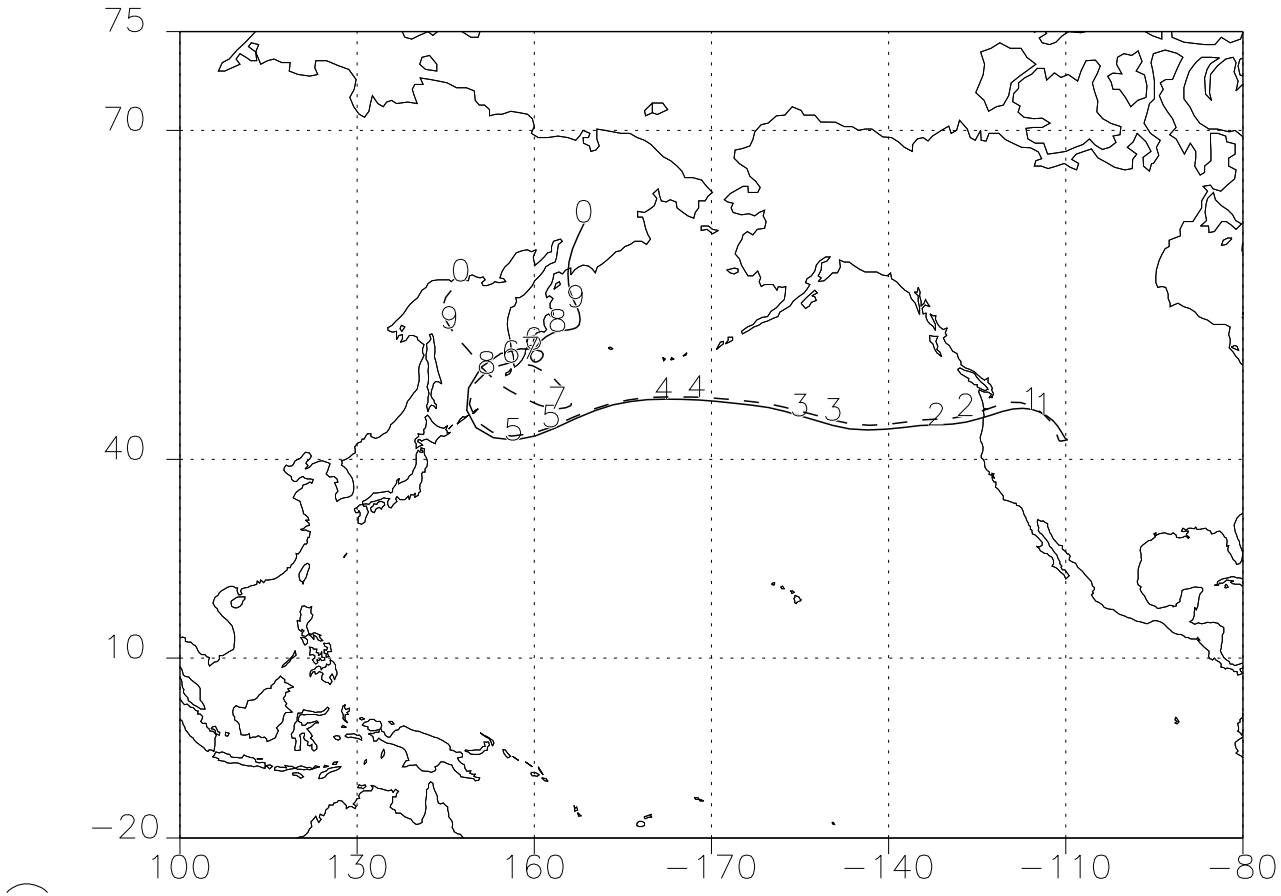
Day	km	hPa	C
0	2.4	760	−9
1	1.4	859	1
2	0.8	925	9
3	0.6	945	13
4	0.8	912	6
5	0.4	949	6
6	0.2	988	9
7	0.3	980	5
8	0.4	955	−3
9	0.7	922	−5
10	0.3	961	−4

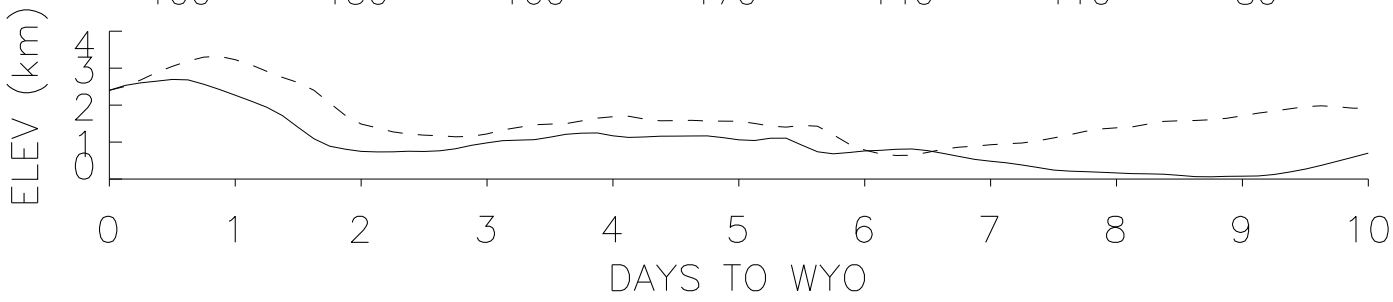
06UT

Day	km	hPa	C
0	2.4	762	−9
1	1.6	835	−4
2	0.5	958	10
3	0.7	933	2
4	1.2	867	−4
5	1.1	877	−4
6	1.0	877	−2
7	1.0	871	−4
8	0.8	887	−3
9	1.0	865	−6
10	1.5	813	−9

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/9/2006 (Day of Year 9)
NCEP/NCAR Reanalysis 1 Data Set





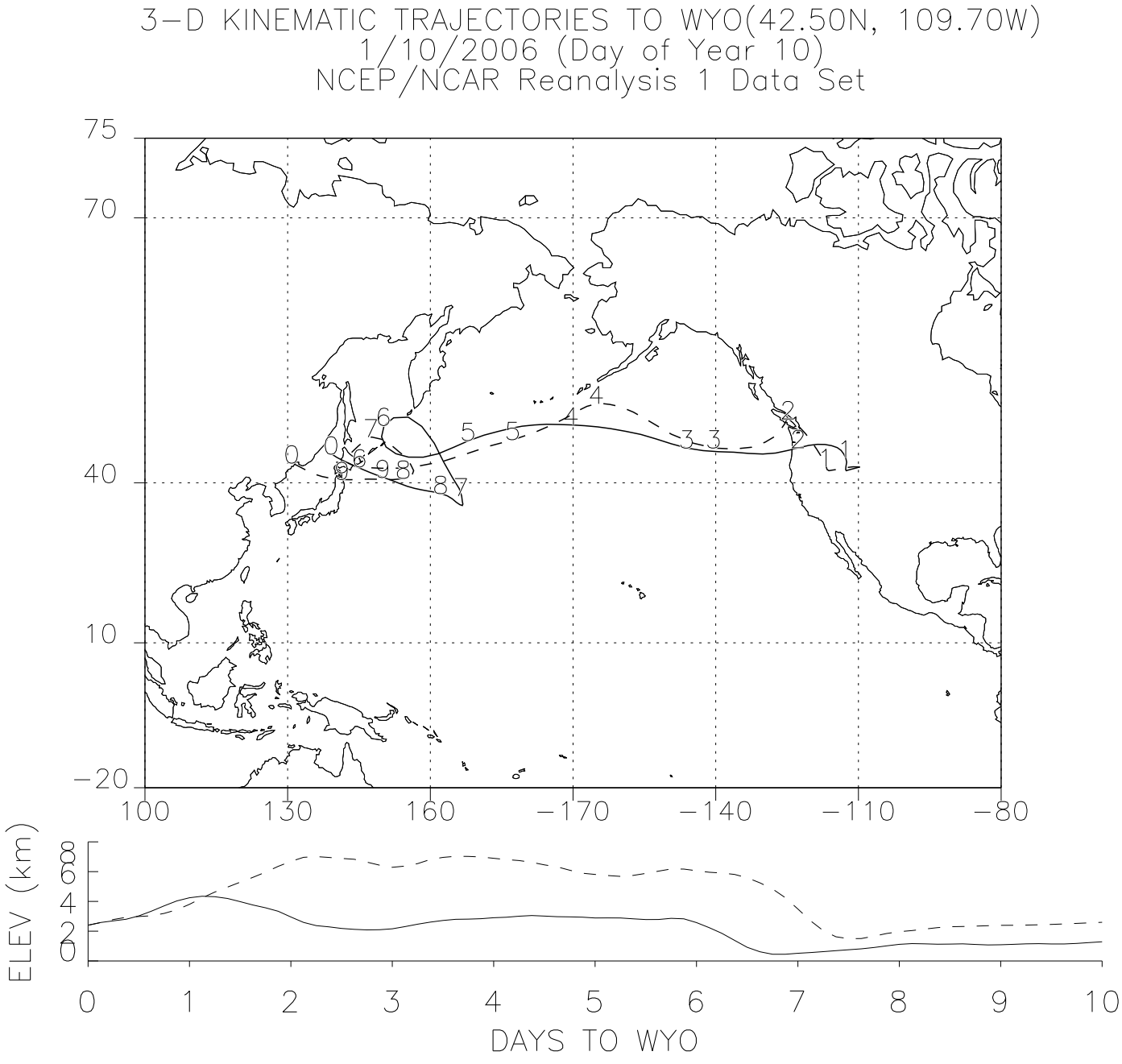
12UT

Day	km	hPa	C
0	2.4	764	−8
1	2.3	767	−8
2	0.7	919	4
3	1.0	889	0
4	1.2	861	−1
5	1.1	866	−6
6	0.8	917	−9
7	0.5	950	−7
8	0.2	983	−6
9	0.1	995	−9
10	0.7	920	−31

18UT

Day	km	hPa	C
0	2.4	766	−7
1	3.2	679	−15
2	1.5	838	−1
3	1.2	865	1
4	1.7	807	−6
5	1.6	813	−11
6	0.8	893	−6
7	0.9	905	−8
8	1.4	846	−19
9	1.7	808	−20
10	1.9	785	−25

12UT − solid
18UT − dashed



00UT

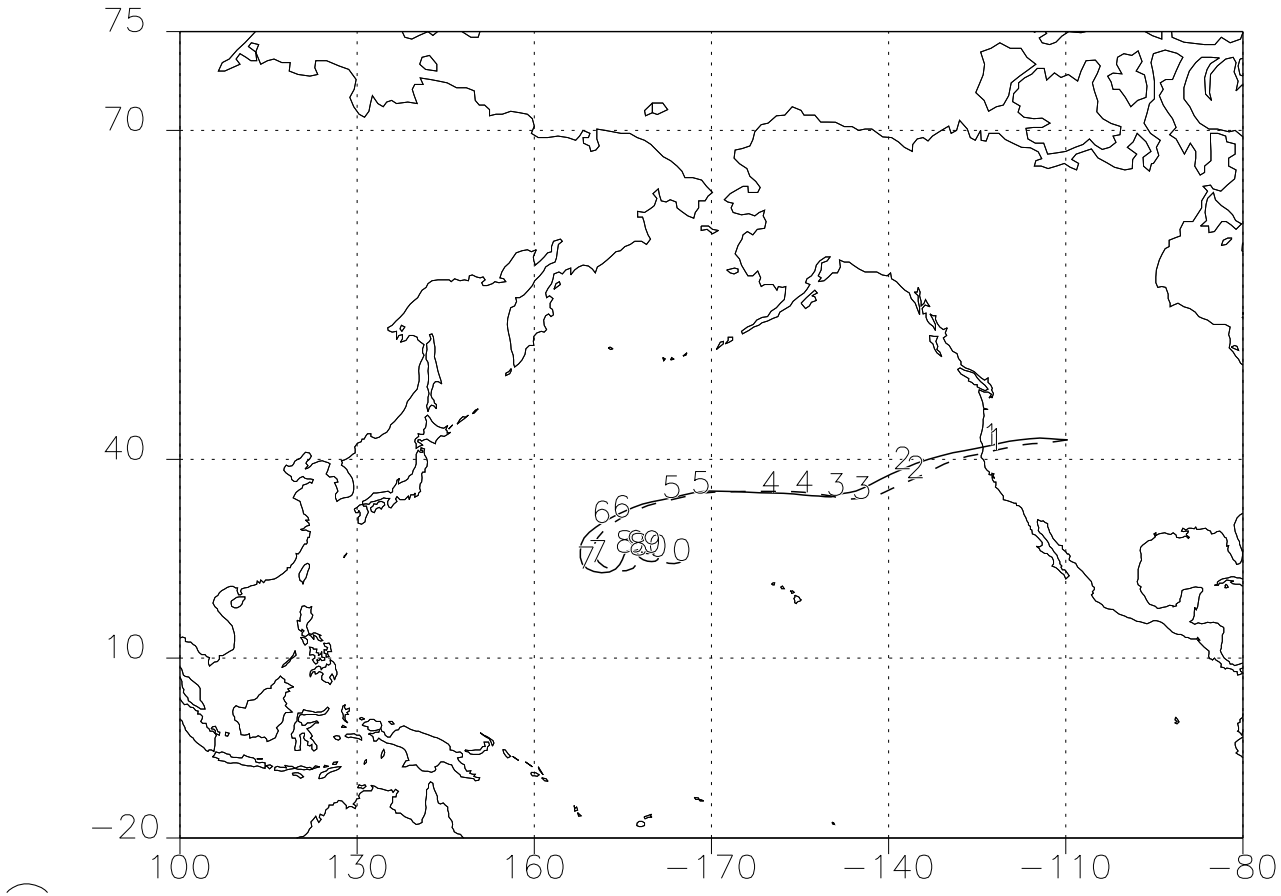
Day	km	hPa	C
0	2.4	764	−4
1	4.2	596	−22
2	3.0	698	−13
3	2.2	767	−6
4	2.9	690	−14
5	2.9	682	−19
6	2.6	699	−16
7	0.5	961	7
8	1.1	889	−3
9	1.1	888	−11
10	1.3	867	−15

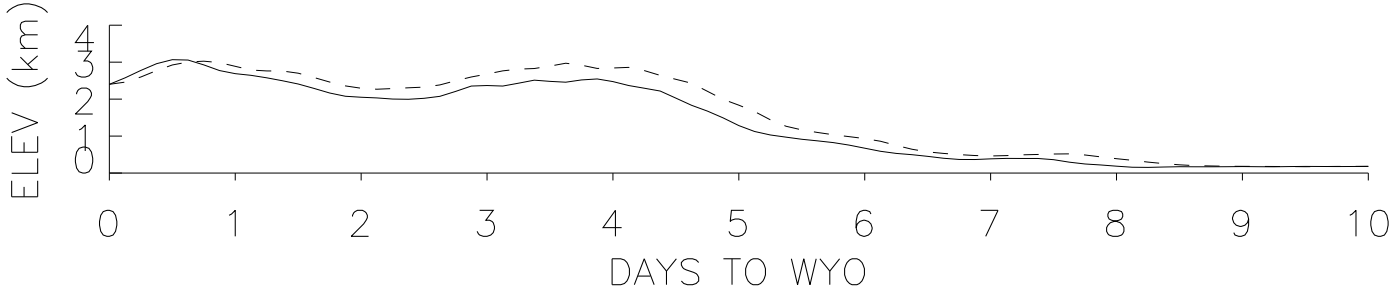
06UT

Day	km	hPa	C
0	2.4	763	−5
1	3.8	638	−13
2	6.7	415	−39
3	6.3	437	−38
4	6.9	389	−45
5	5.8	459	−38
6	6.1	437	−44
7	3.5	629	−21
8	2.0	795	−10
9	2.4	751	−13
10	2.6	735	−14

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/10/2006 (Day of Year 10)
NCEP/NCAR Reanalysis 1 Data Set





12UT

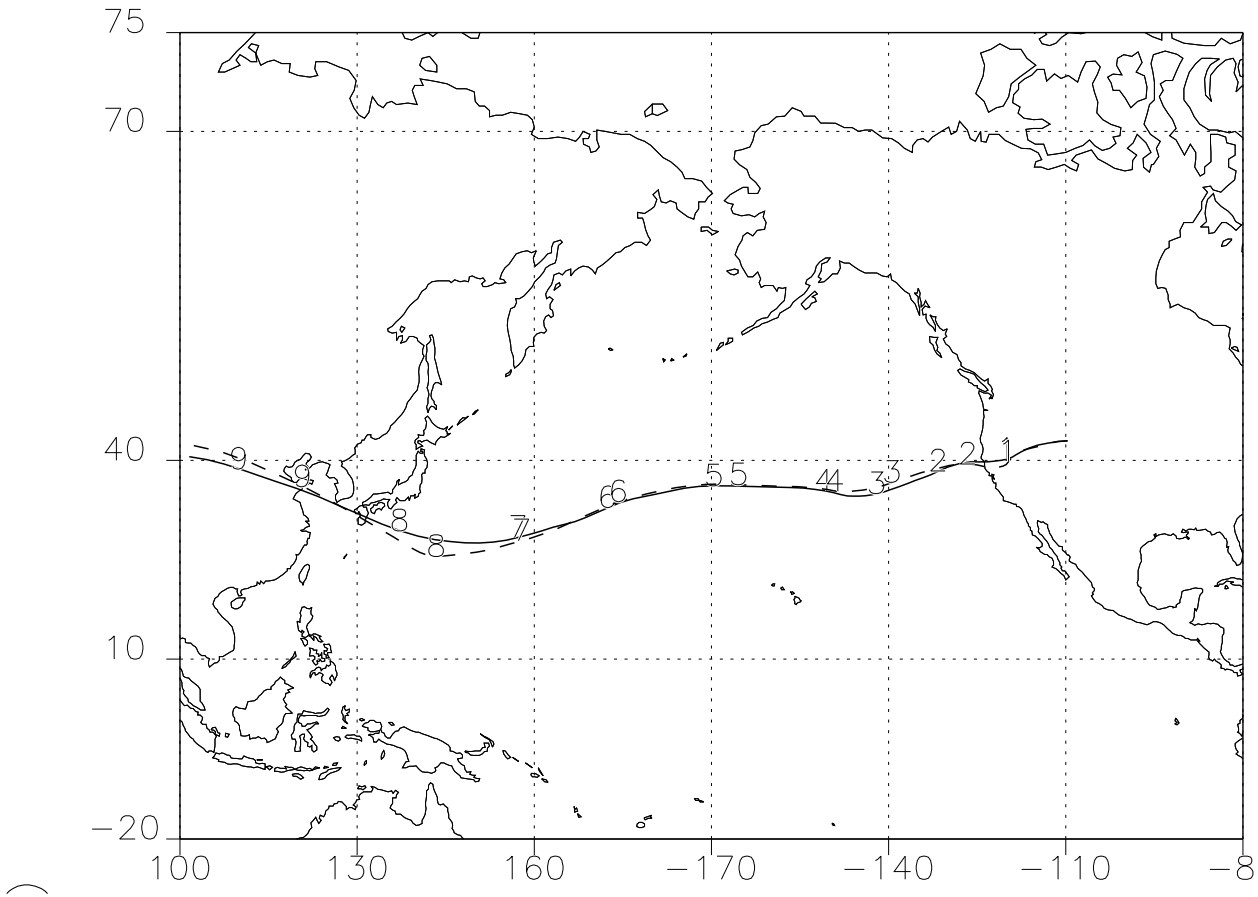
Day	km	hPa	C
0	2.4	762	−3
1	2.7	736	−2
2	2.1	798	4
3	2.4	769	3
4	2.5	757	3
5	1.3	873	13
6	0.7	940	18
7	0.4	974	23
8	0.2	996	21
9	0.2	1000	22
10	0.2	1000	20

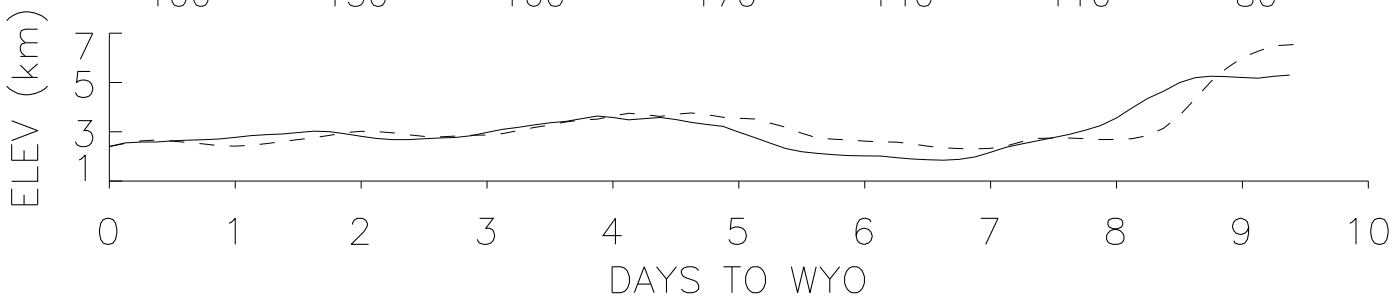
18UT

Day	km	hPa	C
0	2.4	761	−2
1	2.9	719	−1
2	2.3	777	4
3	2.7	741	0
4	2.8	724	0
5	1.8	817	8
6	0.9	911	16
7	0.5	965	22
8	0.4	973	20
9	0.2	999	21
10	0.2	1000	21

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/11/2006 (Day of Year 11)
NCEP/NCAR Reanalysis 1 Data Set





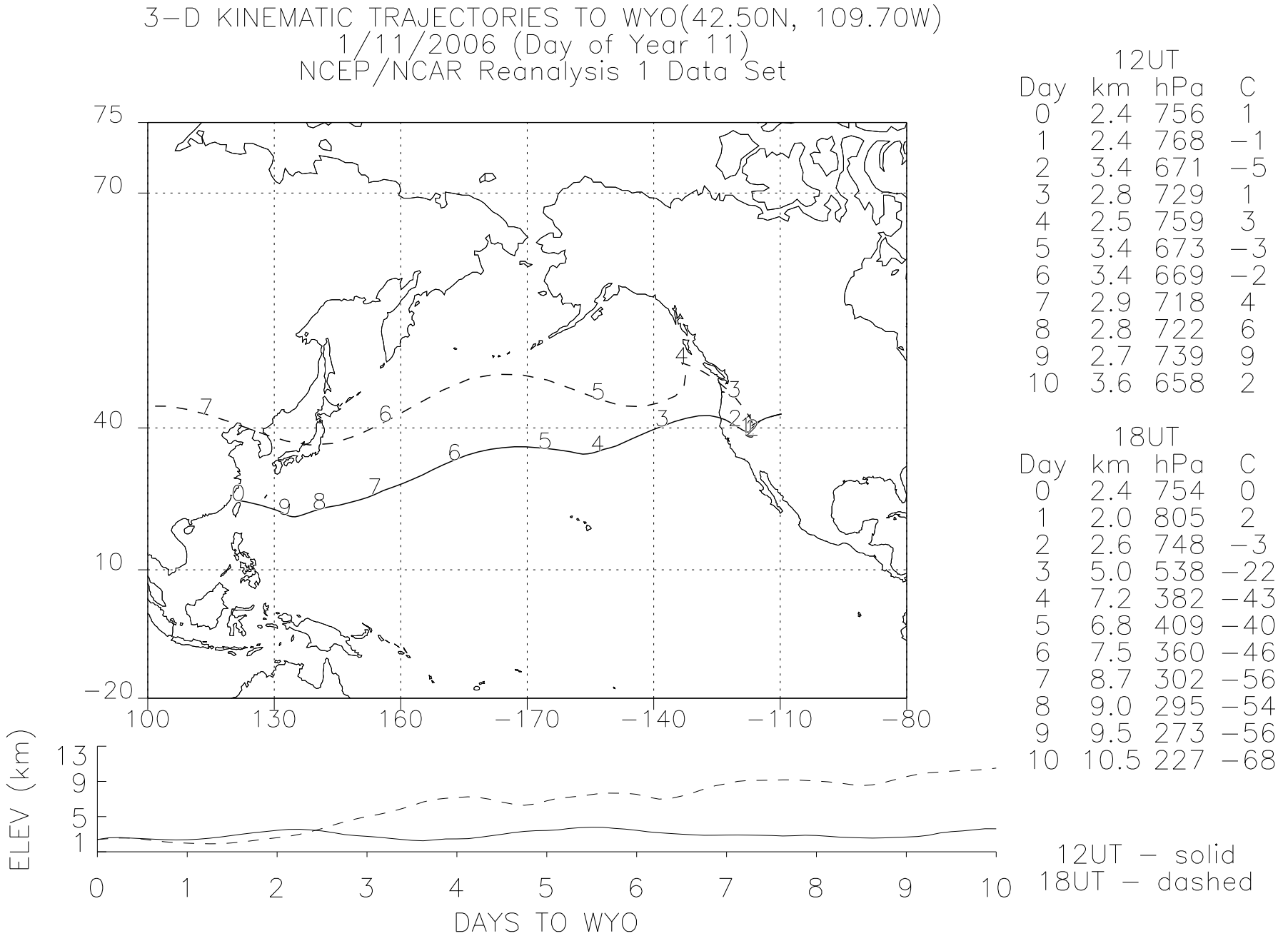
00UT

Day	km	hPa	C
0	2.4	758	1
1	2.8	730	0
2	2.8	728	0
3	3.0	714	−1
4	3.6	659	−5
5	3.0	707	1
6	2.0	798	8
7	2.2	784	8
8	3.6	653	−4
9	5.2	525	−20

06UT

Day	km	hPa	C
0	2.4	757	0
1	2.4	764	0
2	3.0	710	0
3	2.9	723	−1
4	3.6	656	−5
5	3.5	660	−4
6	2.6	740	4
7	2.3	768	8
8	2.7	733	6
9	6.0	468	−27

00UT − solid
06UT − dashed



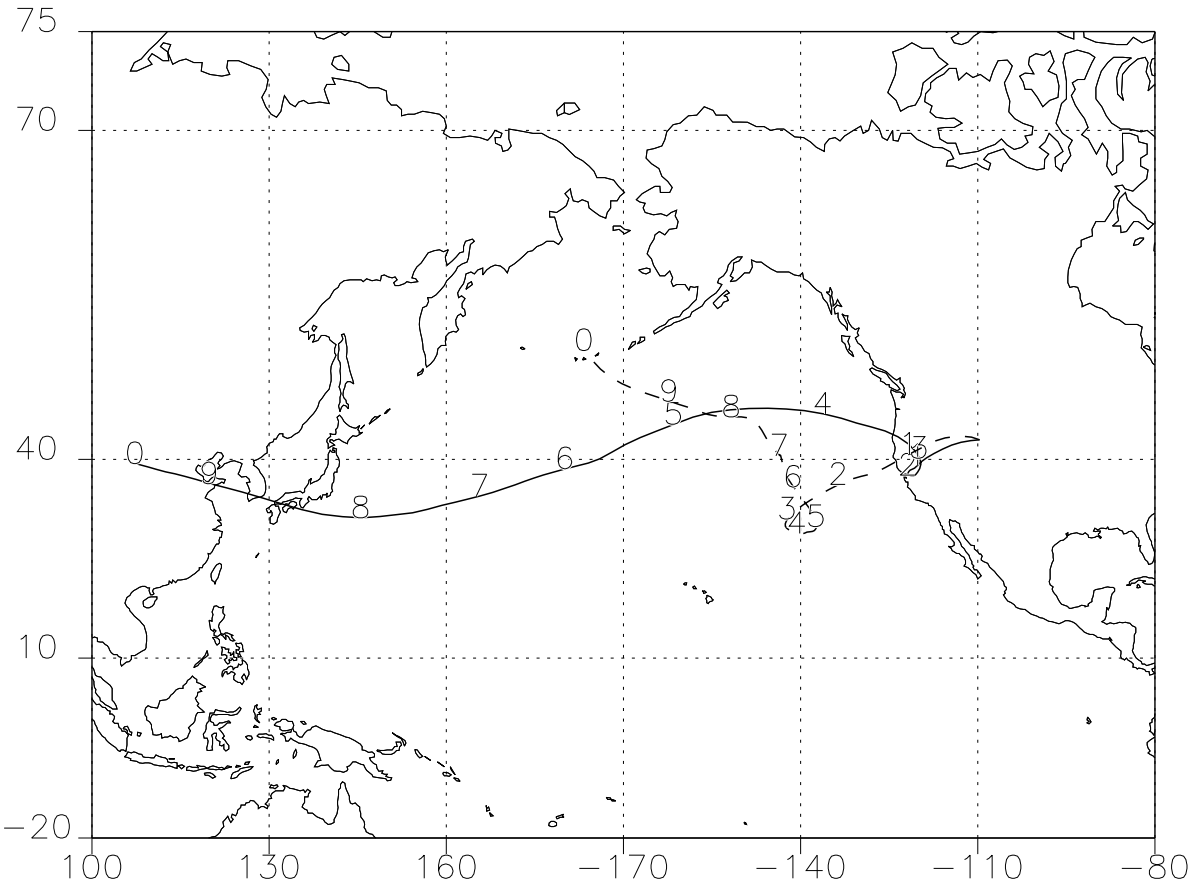
12UT

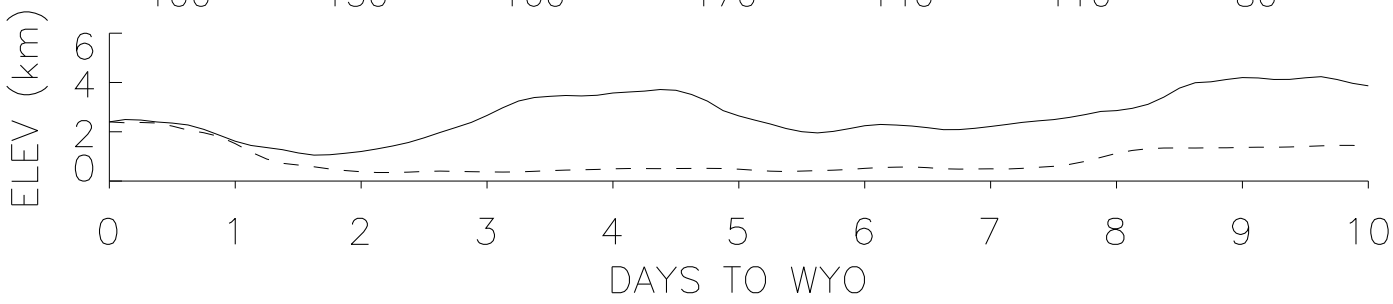
Day	km	hPa	C
0	2.4	756	1
1	2.4	768	-1
2	3.4	671	-5
3	2.8	729	1
4	2.5	759	3
5	3.4	673	-3
6	3.4	669	-2
7	2.9	718	4
8	2.8	722	6
9	2.7	739	9
10	3.6	658	2

18UT

Day	km	hPa	C
0	2.4	754	0
1	2.0	805	2
2	2.6	748	-3
3	5.0	538	-22
4	7.2	382	-43
5	6.8	409	-40
6	7.5	360	-46
7	8.7	302	-56
8	9.0	295	-54
9	9.5	273	-56
10	10.5	227	-68

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/12/2006 (Day of Year 12)
NCEP/NCAR Reanalysis 1 Data Set





00UT

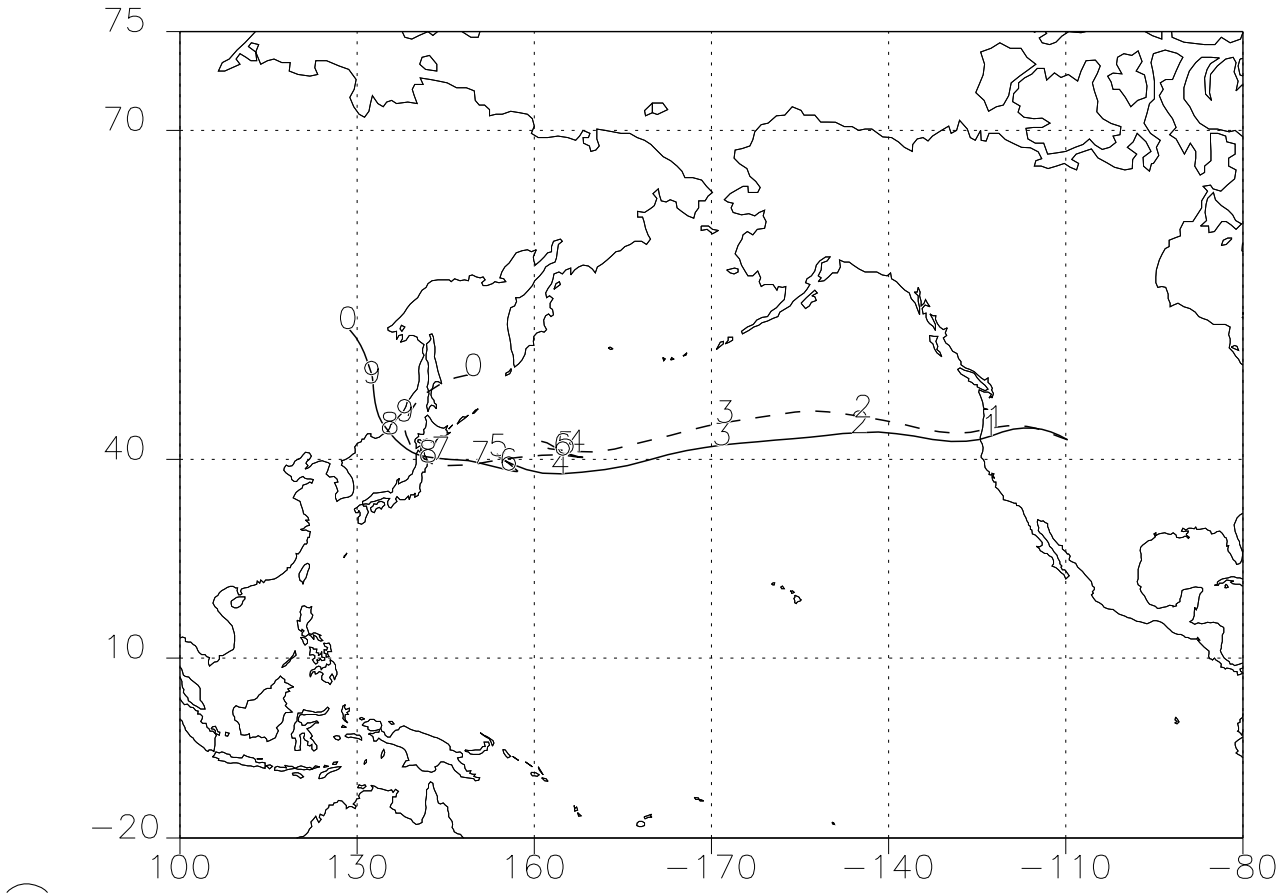
Day	km	hPa	C
0	2.4	753	−1
1	1.6	838	7
2	1.2	886	9
3	2.7	739	−4
4	3.6	645	−12
5	2.6	726	−5
6	2.2	770	0
7	2.2	773	1
8	2.9	711	−5
9	4.2	599	−14
10	3.9	627	−12

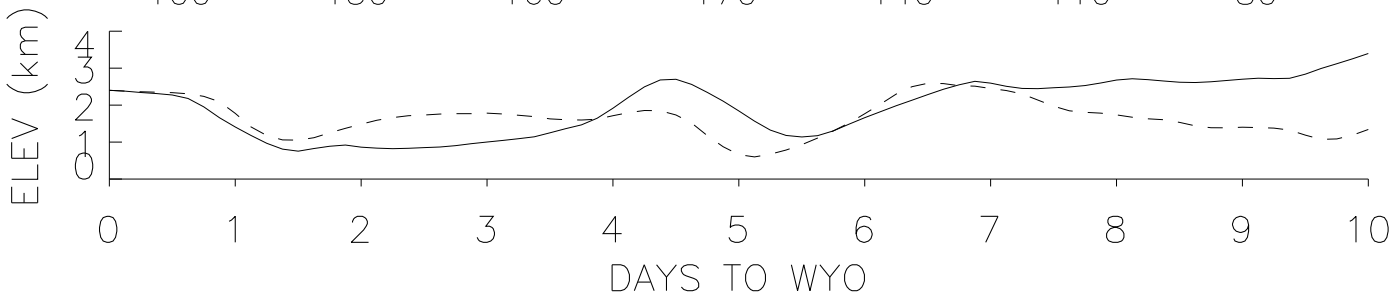
06UT

Day	km	hPa	C
0	2.4	754	−6
1	1.5	846	4
2	0.4	978	15
3	0.4	984	13
4	0.5	970	12
5	0.5	970	10
6	0.5	957	8
7	0.5	947	6
8	1.1	868	−4
9	1.4	838	−9
10	1.4	829	−12

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/12/2006 (Day of Year 12)
NCEP/NCAR Reanalysis 1 Data Set





12UT

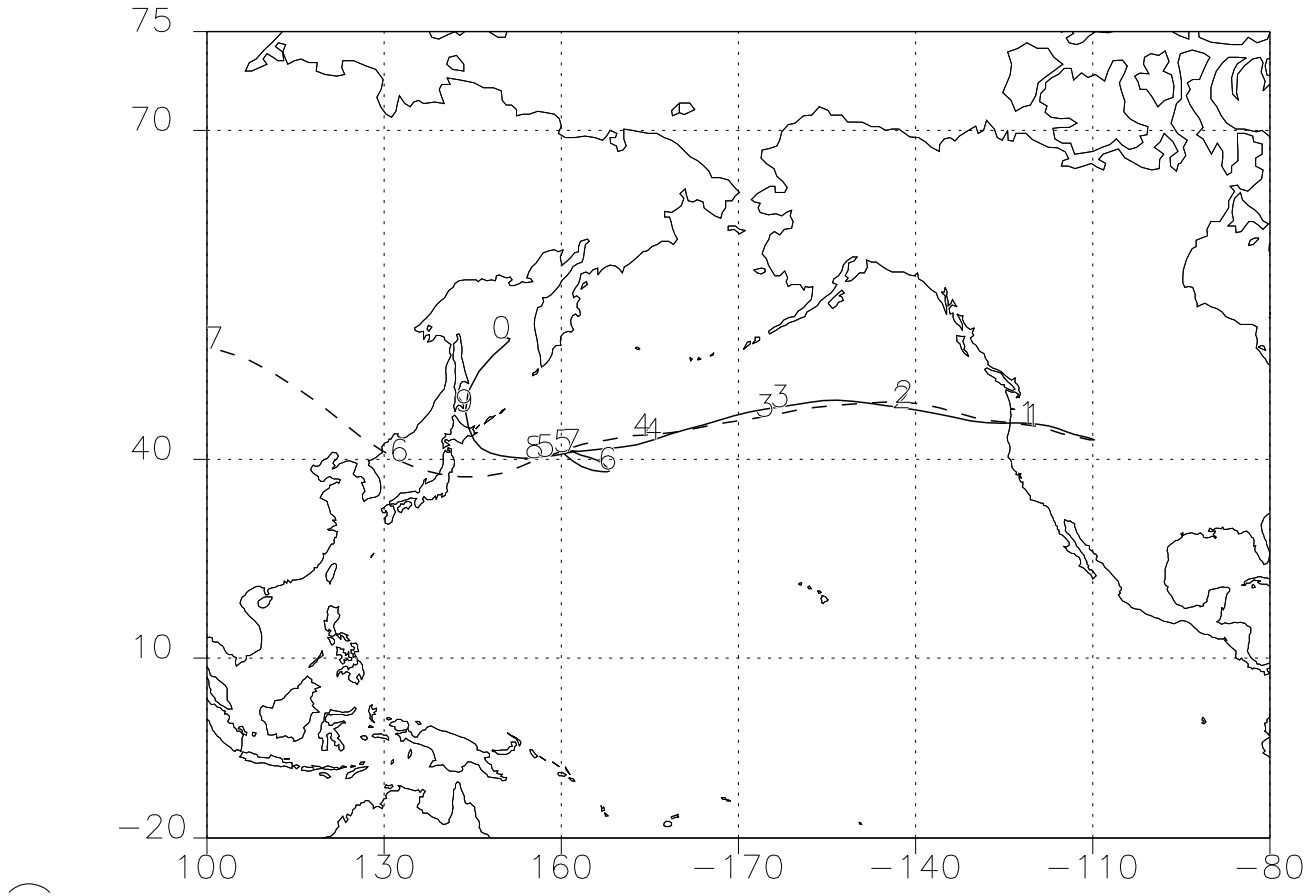
Day	km	hPa	C
0	2.4	755	−8
1	1.4	853	2
2	0.9	906	6
3	1.0	890	6
4	1.9	787	−5
5	1.8	792	−8
6	1.7	821	−11
7	2.6	721	−22
8	2.7	711	−26
9	2.7	707	−25
10	3.4	643	−31

18UT

Day	km	hPa	C
0	2.4	759	−9
1	1.8	815	−4
2	1.5	836	−1
3	1.8	802	−2
4	1.7	802	−6
5	0.7	920	−1
6	1.8	808	−11
7	2.5	736	−16
8	1.7	808	−13
9	1.4	840	−16
10	1.3	854	−16

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/13/2006 (Day of Year 13)
NCEP/NCAR Reanalysis 1 Data Set

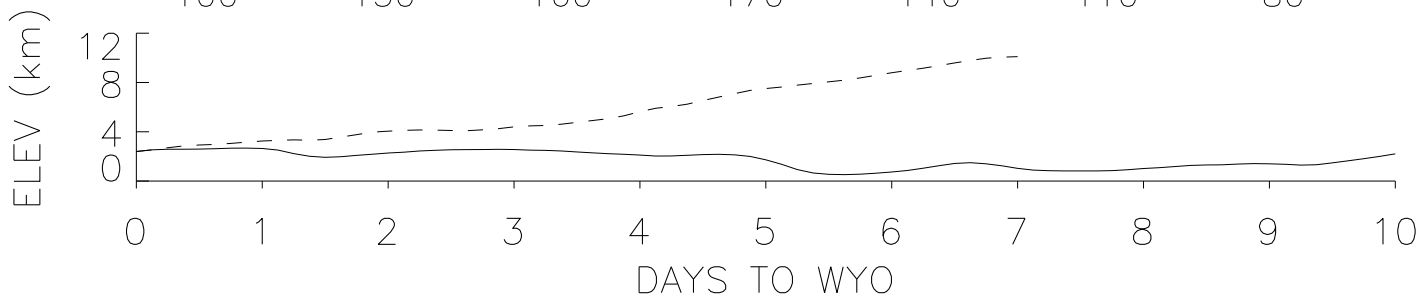


00UT

Day	km	hPa	C
0	2.4	760	−7
1	2.6	730	−10
2	2.3	756	−7
3	2.6	724	−11
4	2.1	764	−7
5	1.7	796	−4
6	0.7	927	0
7	1.0	880	−2
8	1.0	888	−5
9	1.4	833	−15
10	2.2	758	−22

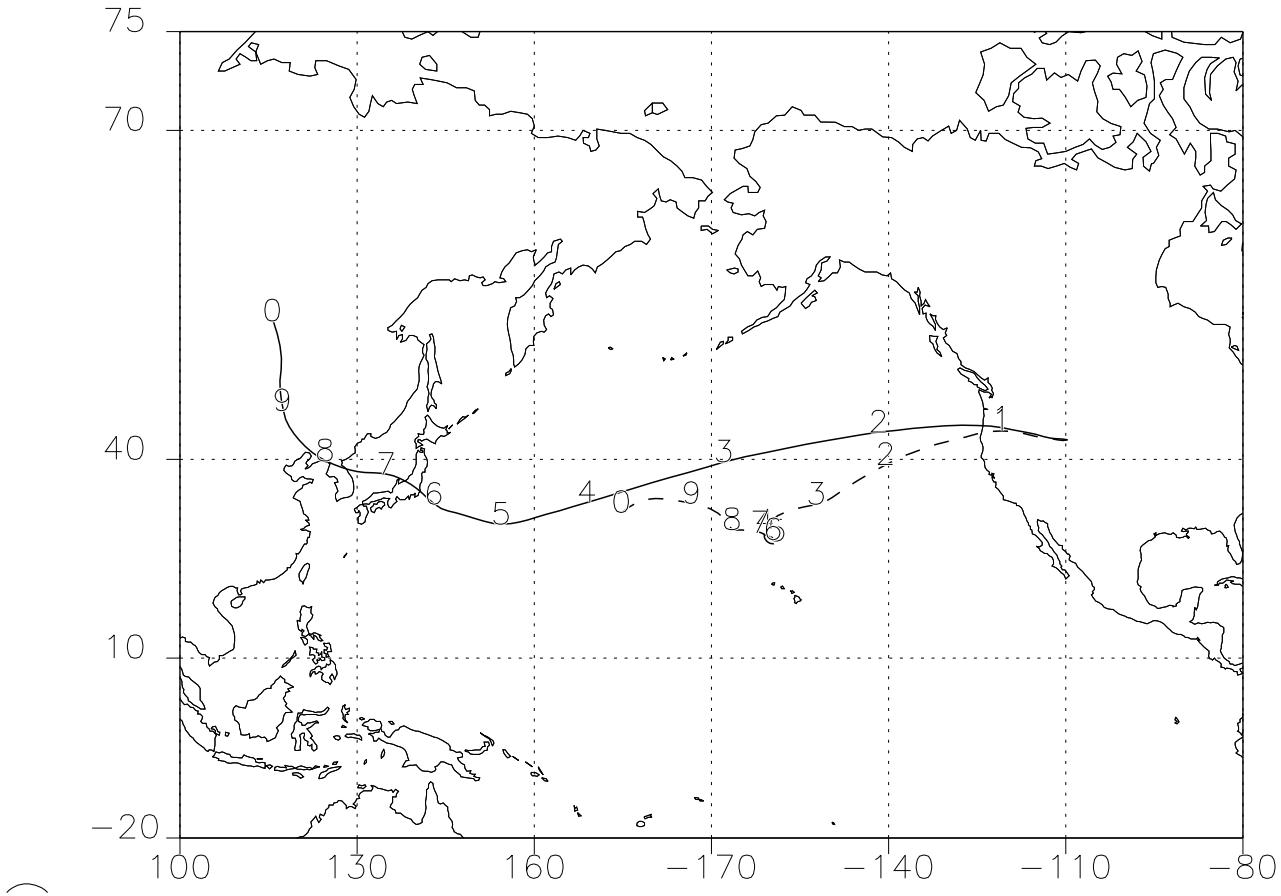
06UT

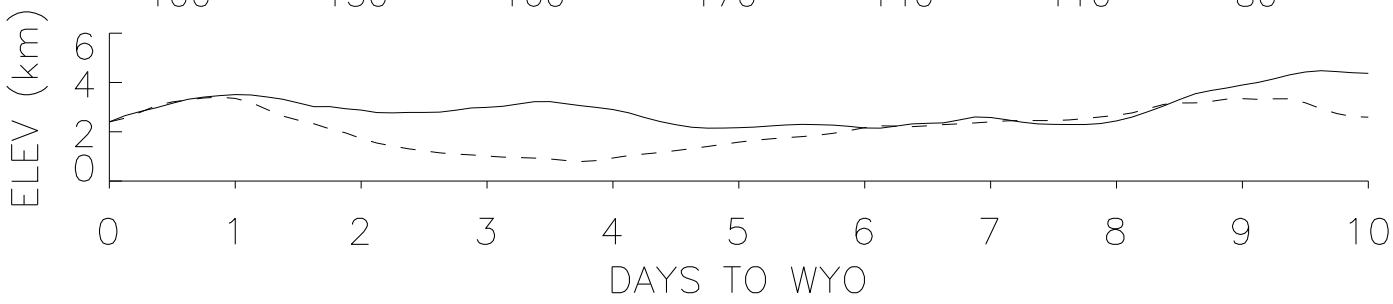
Day	km	hPa	C
0	2.4	761	−9
1	3.2	677	−14
2	4.0	599	−20
3	4.4	568	−22
4	5.6	476	−33
5	7.5	359	−45
6	8.8	294	−55
7	10.1	239	−67



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/13/2006 (Day of Year 13)
NCEP/NCAR Reanalysis 1 Data Set





12UT

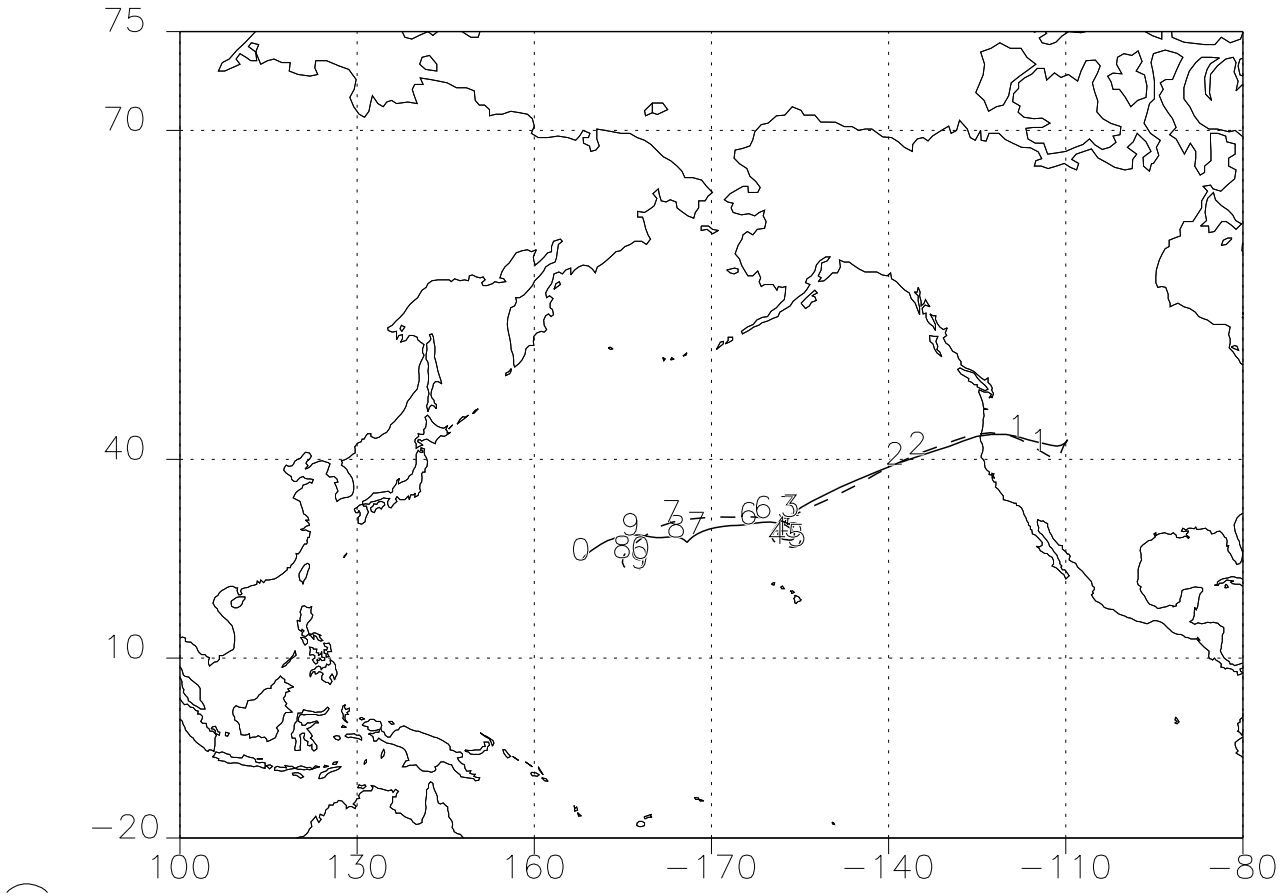
Day	km	hPa	C
0	2.4	763	−6
1	3.5	656	−12
2	2.9	710	−7
3	3.0	700	−9
4	2.9	708	−7
5	2.2	777	−3
6	2.2	771	−11
7	2.6	725	−21
8	2.4	745	−19
9	3.9	612	−30
10	4.4	566	−35

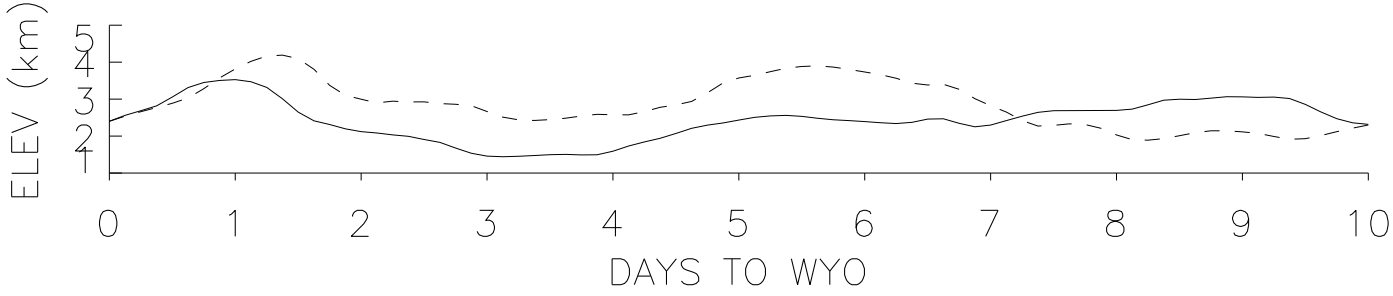
18UT

Day	km	hPa	C
0	2.4	764	−1
1	3.4	672	−7
2	1.7	826	6
3	1.0	910	13
4	0.9	920	13
5	1.6	851	13
6	2.2	793	9
7	2.4	770	8
8	2.7	743	7
9	3.3	681	−1
10	2.6	748	5

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/14/2006 (Day of Year 14)
NCEP/NCAR Reanalysis 1 Data Set





00UT

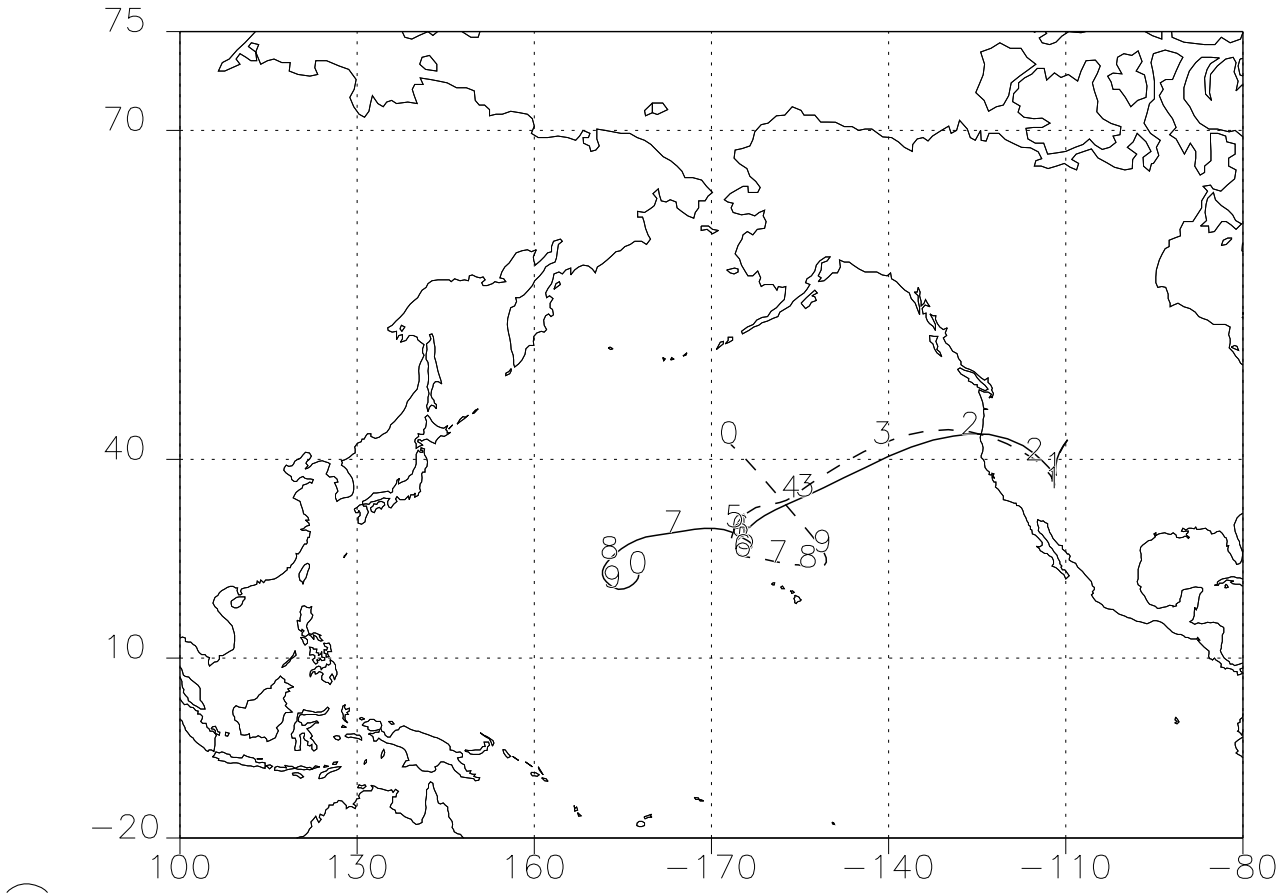
Day	km	hPa	C
0	2.4	763	3
1	3.5	658	−6
2	2.1	785	5
3	1.5	861	13
4	1.6	850	13
5	2.4	767	7
6	2.4	769	8
7	2.3	779	11
8	2.7	742	8
9	3.1	709	6
10	2.3	776	12

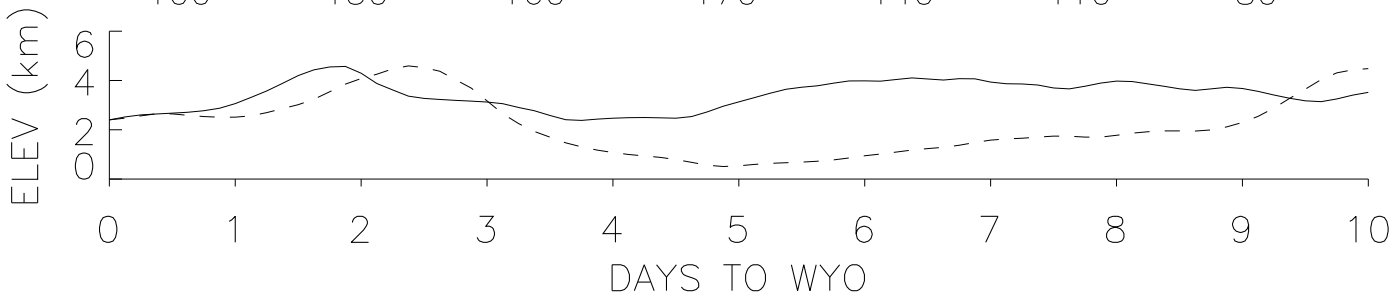
06UT

Day	km	hPa	C
0	2.4	761	3
1	3.8	637	−6
2	3.0	702	−1
3	2.7	743	5
4	2.6	756	9
5	3.6	668	2
6	3.7	652	0
7	2.8	728	6
8	2.0	802	14
9	2.1	796	11
10	2.3	778	10

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/14/2006 (Day of Year 14)
NCEP/NCAR Reanalysis 1 Data Set





12UT

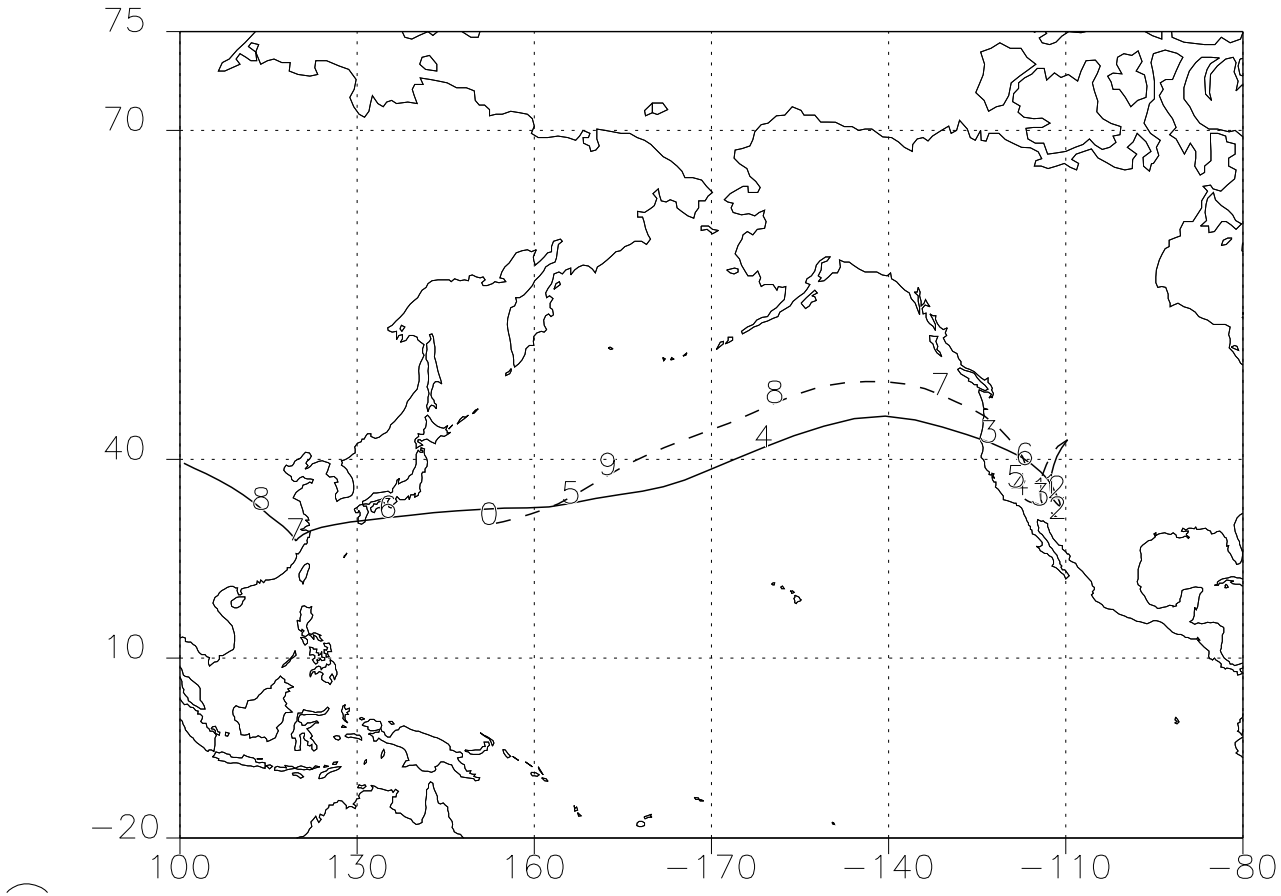
Day	km	hPa	C
0	2.4	759	3
1	3.1	704	−1
2	4.3	594	−10
3	3.1	698	0
4	2.5	764	9
5	3.1	706	7
6	4.0	635	0
7	3.9	638	0
8	4.0	635	2
9	3.7	659	4
10	3.5	673	4

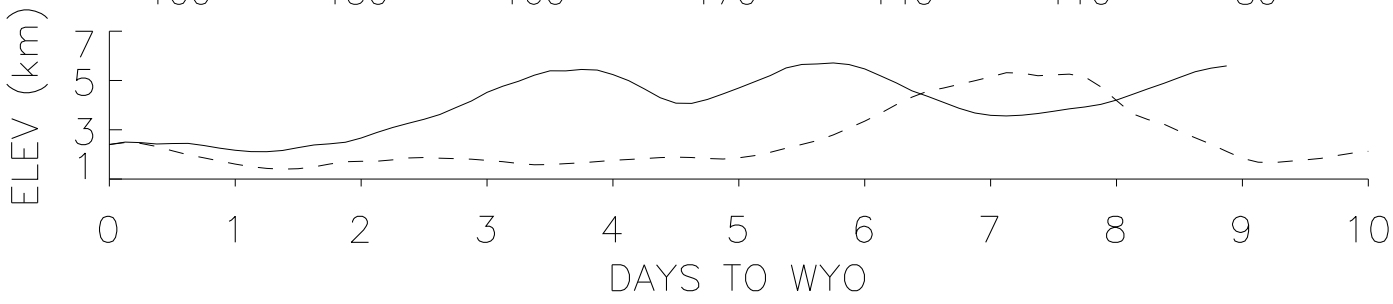
18UT

Day	km	hPa	C
0	2.4	756	2
1	2.5	756	3
2	4.1	615	−9
3	3.2	684	−4
4	1.1	902	13
5	0.5	961	17
6	0.9	917	14
7	1.6	850	12
8	1.8	830	13
9	2.3	775	6
10	4.5	575	−16

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/15/2006 (Day of Year 15)
NCEP/NCAR Reanalysis 1 Data Set





00UT

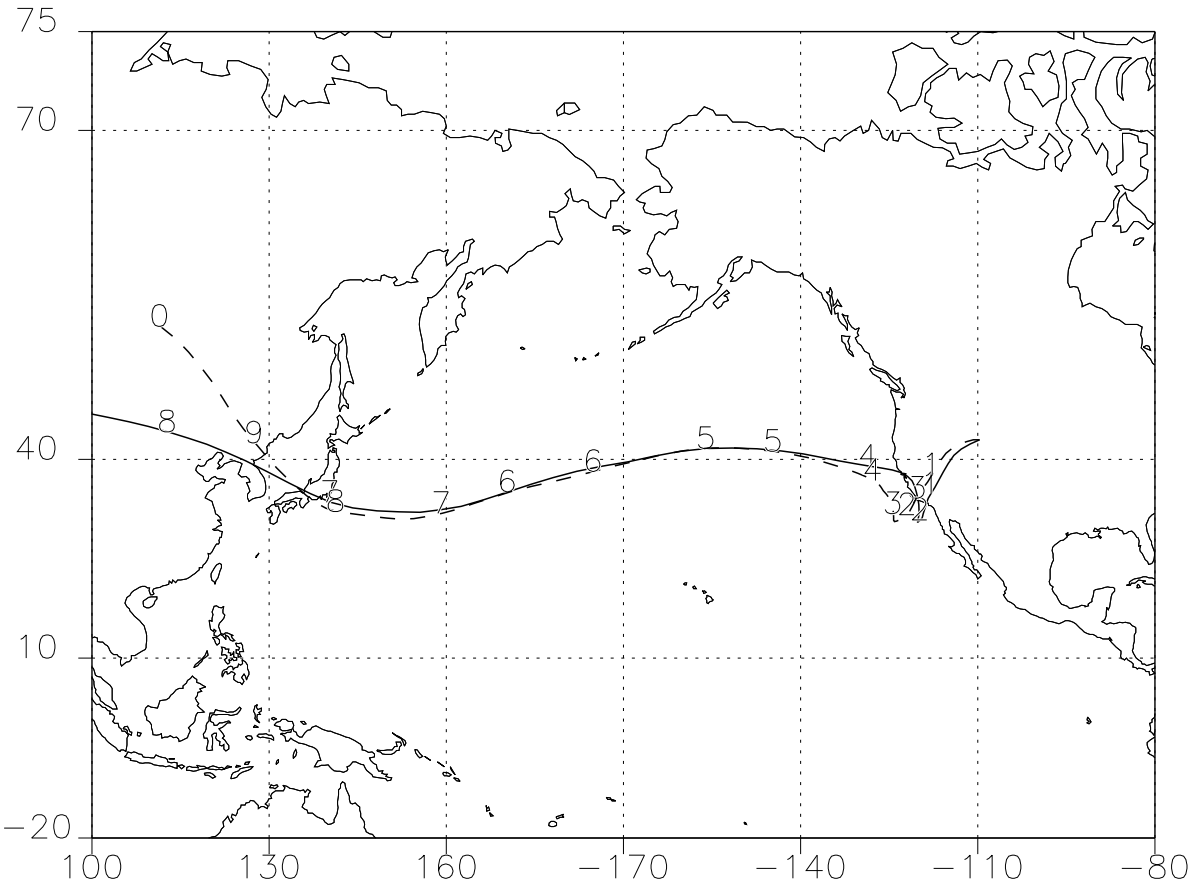
Day	km	hPa	C
0	2.4	753	2
1	2.2	787	9
2	2.7	738	3
3	4.5	574	−17
4	5.2	517	−24
5	4.7	563	−17
6	5.5	506	−22
7	3.6	656	−4
8	4.2	601	−13

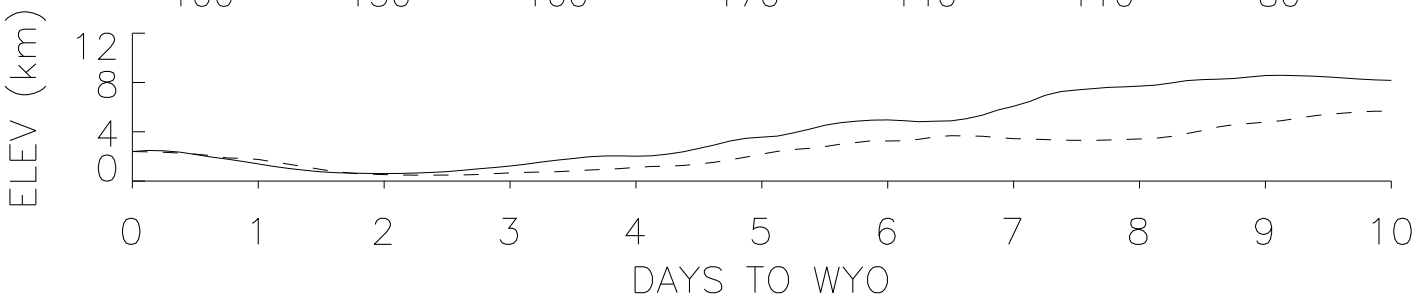
06UT

Day	km	hPa	C
0	2.4	751	0
1	1.6	840	11
2	1.7	830	9
3	1.8	822	10
4	1.8	827	9
5	1.9	819	5
6	3.3	678	−8
7	5.1	521	−24
8	4.2	589	−13
9	1.8	803	5
10	2.1	781	3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/15/2006 (Day of Year 15)
NCEP/NCAR Reanalysis 1 Data Set





12UT

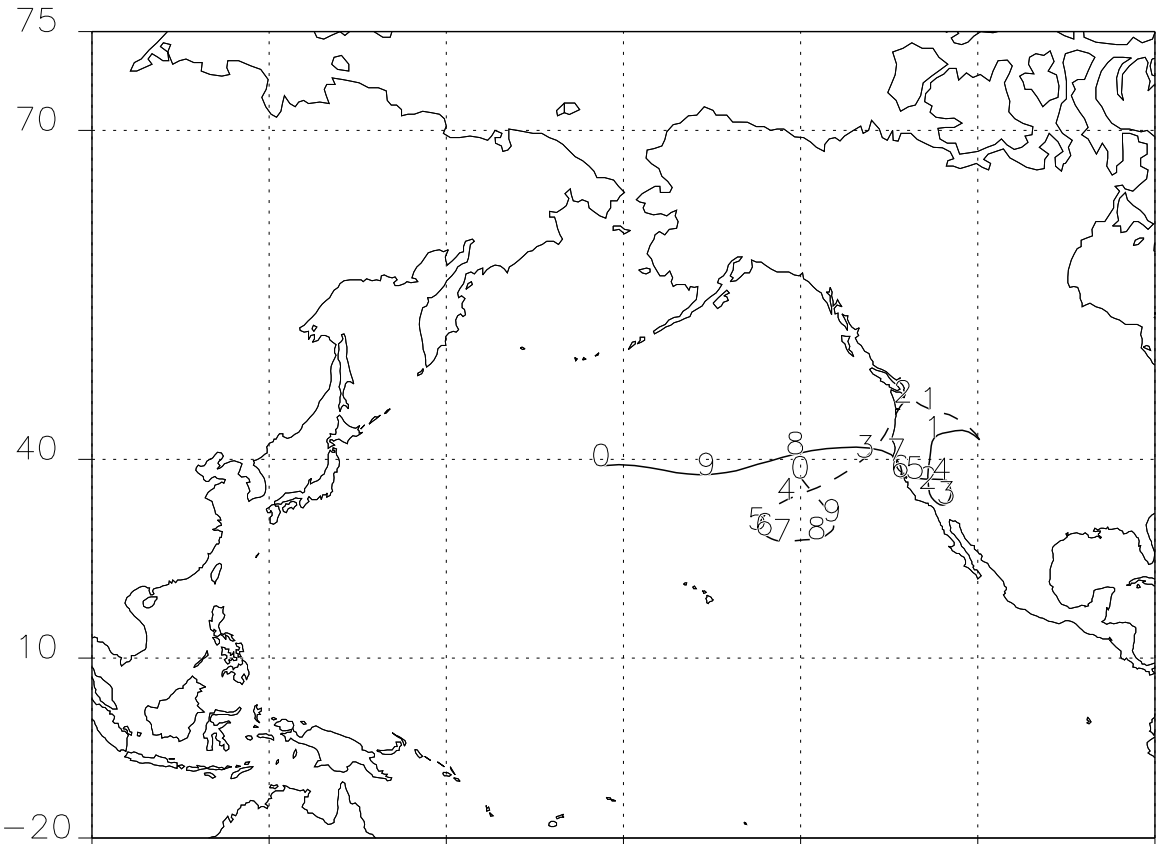
Day	km	hPa	C
0	2.4	749	−2
1	1.4	858	7
2	0.6	946	14
3	1.2	879	10
4	2.0	797	2
5	3.6	650	−10
6	5.0	538	−22
7	6.1	455	−35
8	7.7	357	−48
9	8.6	316	−53
10	8.2	339	−50

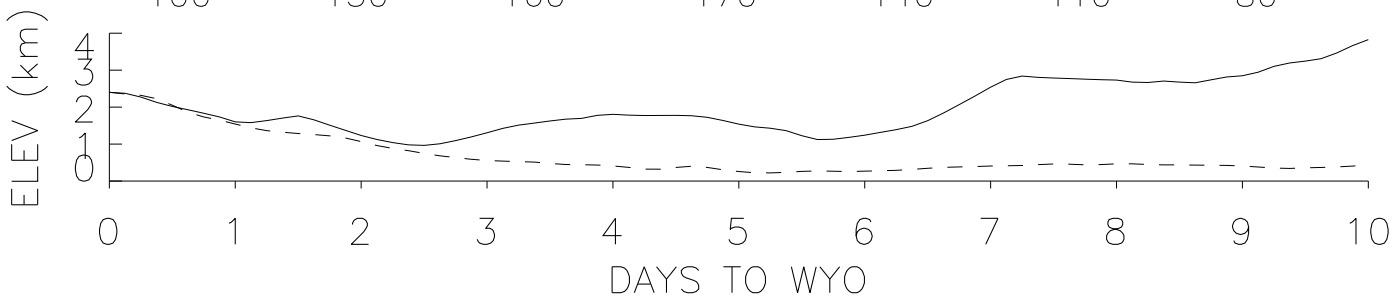
18UT

Day	km	hPa	C
0	2.4	751	−6
1	1.8	818	3
2	0.5	956	14
3	0.7	944	14
4	1.1	896	8
5	2.2	777	−1
6	3.3	676	−9
7	3.4	659	−11
8	3.4	656	−17
9	4.8	536	−32
10	5.7	470	−39

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/16/2006 (Day of Year 16)
NCEP/NCAR Reanalysis 1 Data Set





00UT

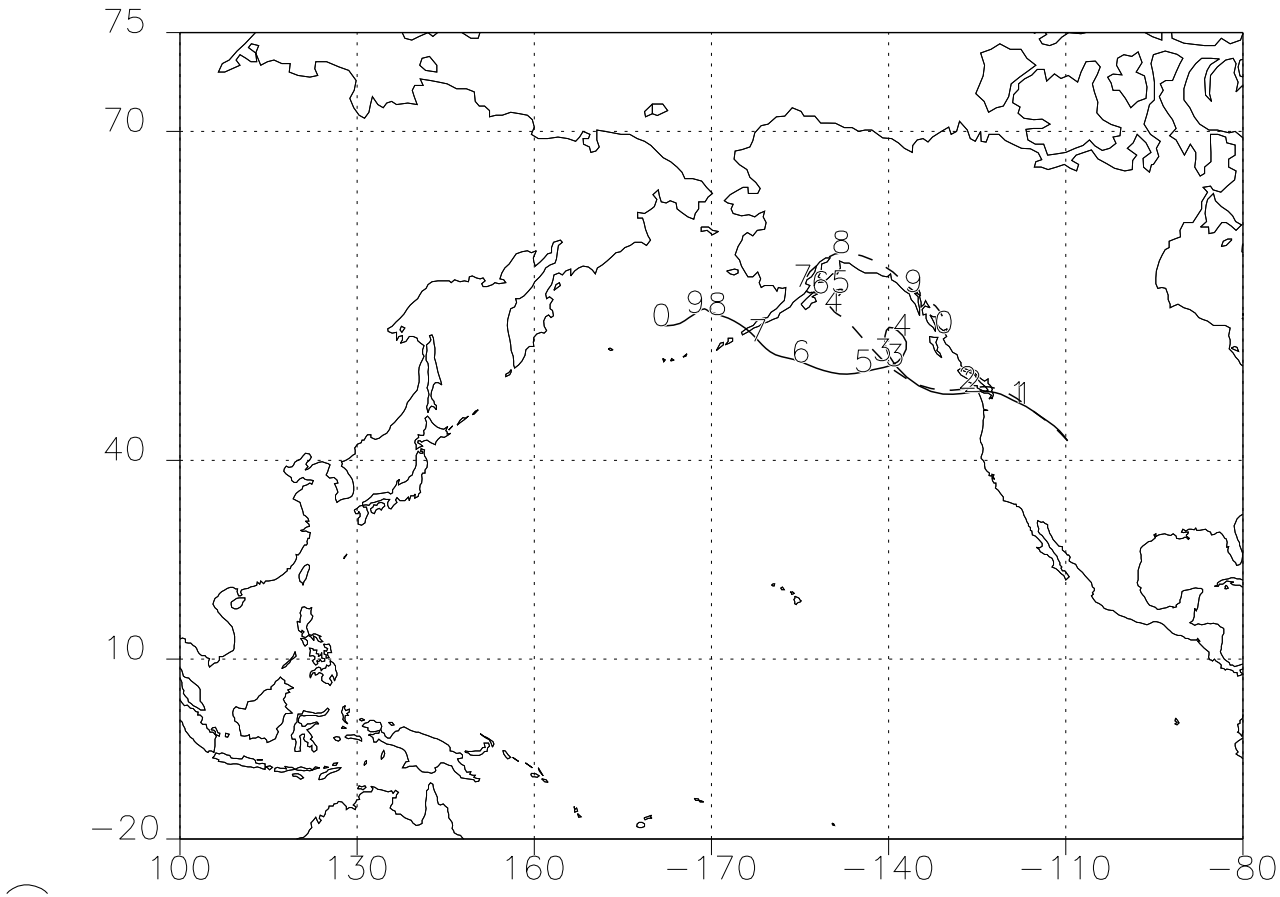
Day	km	hPa	C
0	2.4	751	−7
1	1.6	827	3
2	1.2	876	12
3	1.3	870	14
4	1.8	816	8
5	1.5	848	8
6	1.2	882	9
7	2.5	752	−1
8	2.7	729	−2
9	2.8	720	−2
10	3.8	632	−9

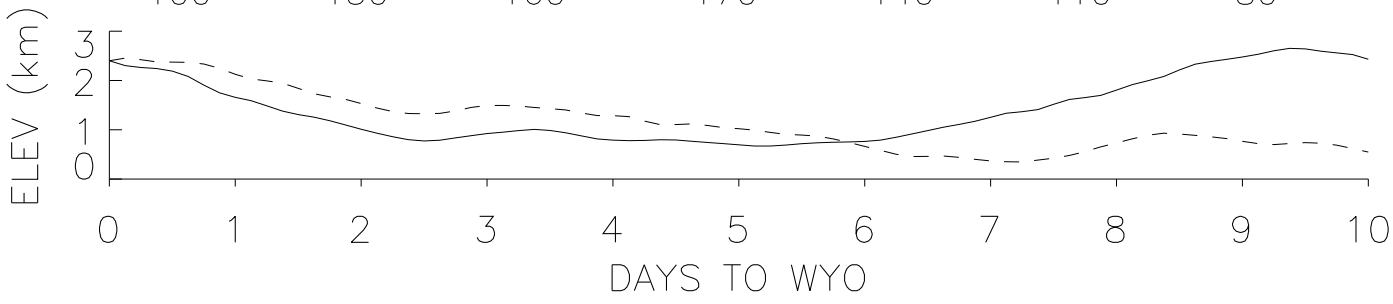
06UT

Day	km	hPa	C
0	2.4	755	−11
1	1.5	833	−4
2	1.1	885	0
3	0.6	944	11
4	0.4	971	14
5	0.3	996	17
6	0.3	997	16
7	0.4	979	13
8	0.5	974	12
9	0.4	978	11
10	0.4	963	9

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/16/2006 (Day of Year 16)
NCEP/NCAR Reanalysis 1 Data Set





12UT

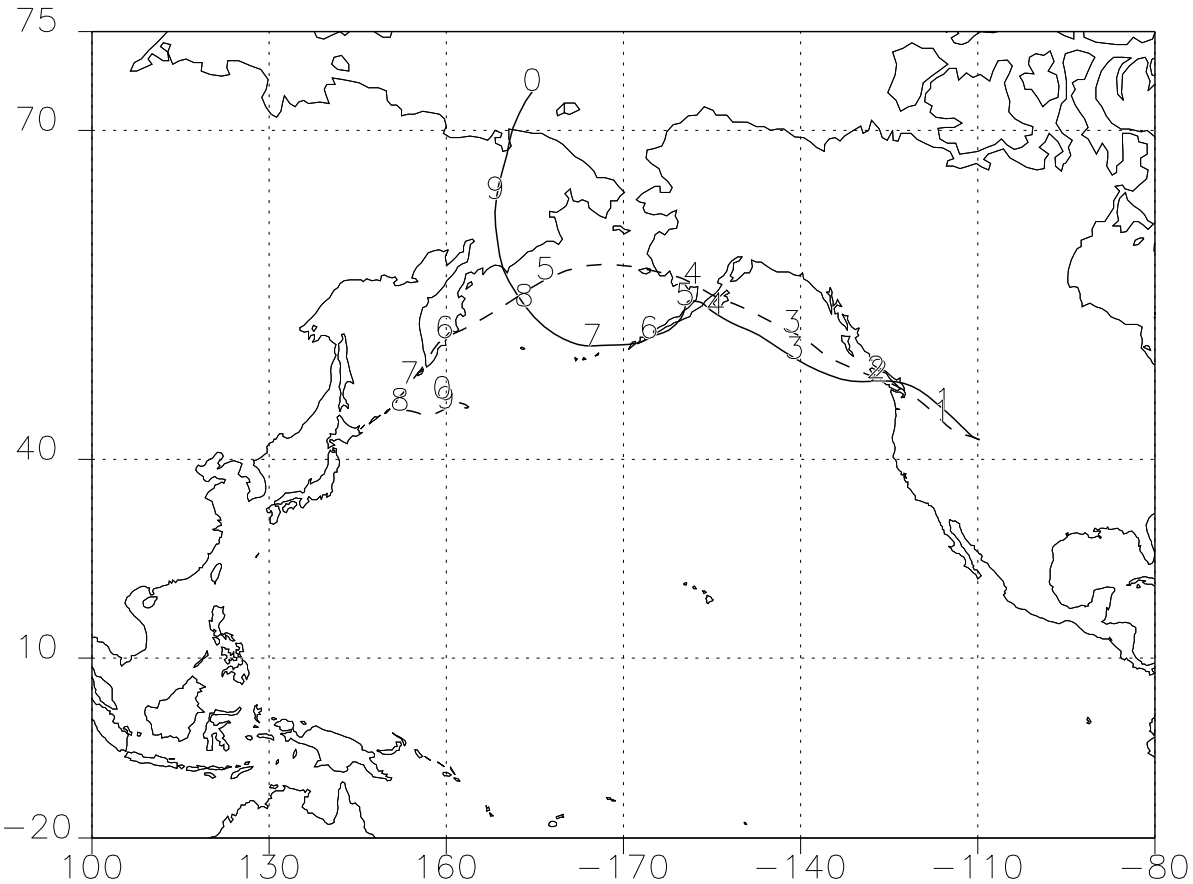
Day	km	hPa	C
0	2.4	758	−12
1	1.7	823	−6
2	1.0	889	−1
3	0.9	887	−3
4	0.8	906	−2
5	0.7	919	−1
6	0.8	904	−3
7	1.3	844	−10
8	1.8	791	−13
9	2.5	718	−17
10	2.4	727	−16

18UT

Day	km	hPa	C
0	2.4	759	−12
1	2.1	780	−10
2	1.5	832	−6
3	1.5	830	−7
4	1.3	851	−7
5	1.0	876	−4
6	0.7	908	−3
7	0.4	939	−3
8	0.7	902	−2
9	0.8	912	−1
10	0.5	941	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/17/2006 (Day of Year 17)
NCEP/NCAR Reanalysis 1 Data Set

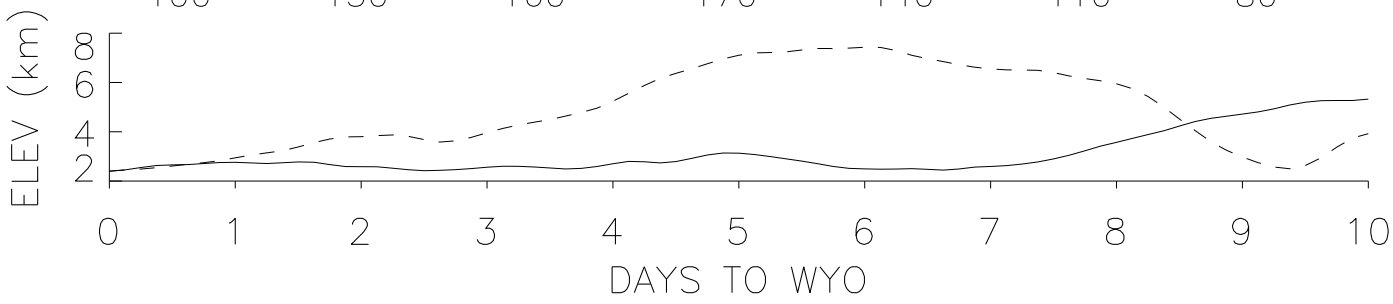


00UT

Day	km	hPa	C
0	2.4	760	−10
1	2.8	720	−15
2	2.6	727	−13
3	2.6	724	−12
4	2.7	708	−18
5	3.1	664	−22
6	2.5	721	−18
7	2.6	711	−19
8	3.6	622	−25
9	4.7	531	−38
10	5.3	488	−43

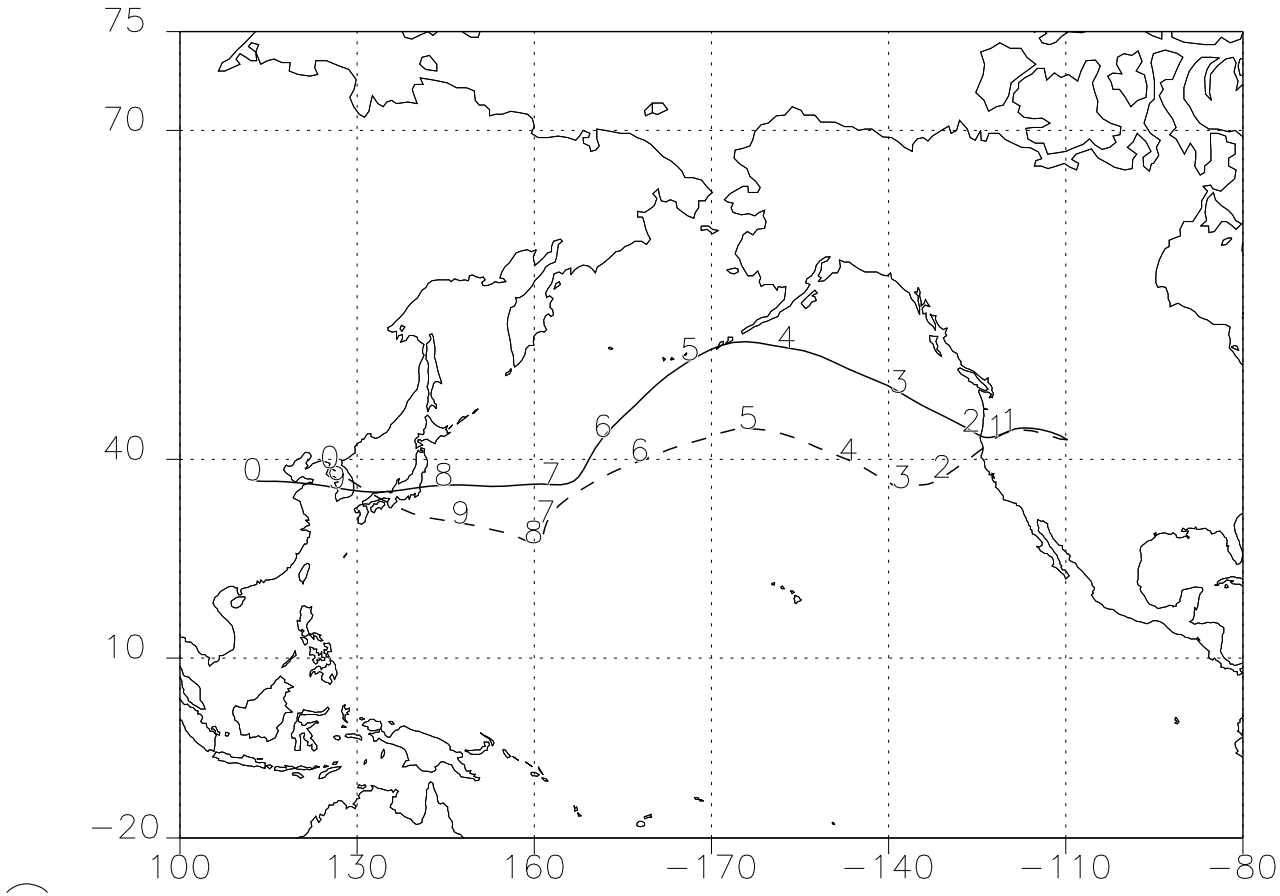
06UT

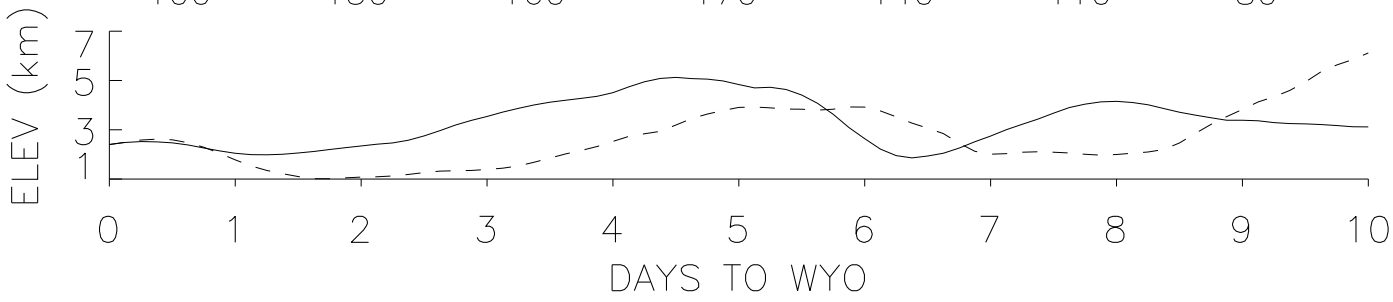
Day	km	hPa	C
0	2.4	761	−9
1	2.9	706	−15
2	3.8	619	−23
3	4.0	599	−24
4	5.2	498	−36
5	7.1	372	−51
6	7.4	356	−54
7	6.6	409	−48
8	5.9	448	−45
9	3.0	679	−16
10	3.9	599	−26



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/17/2006 (Day of Year 17)
NCEP/NCAR Reanalysis 1 Data Set





12UT

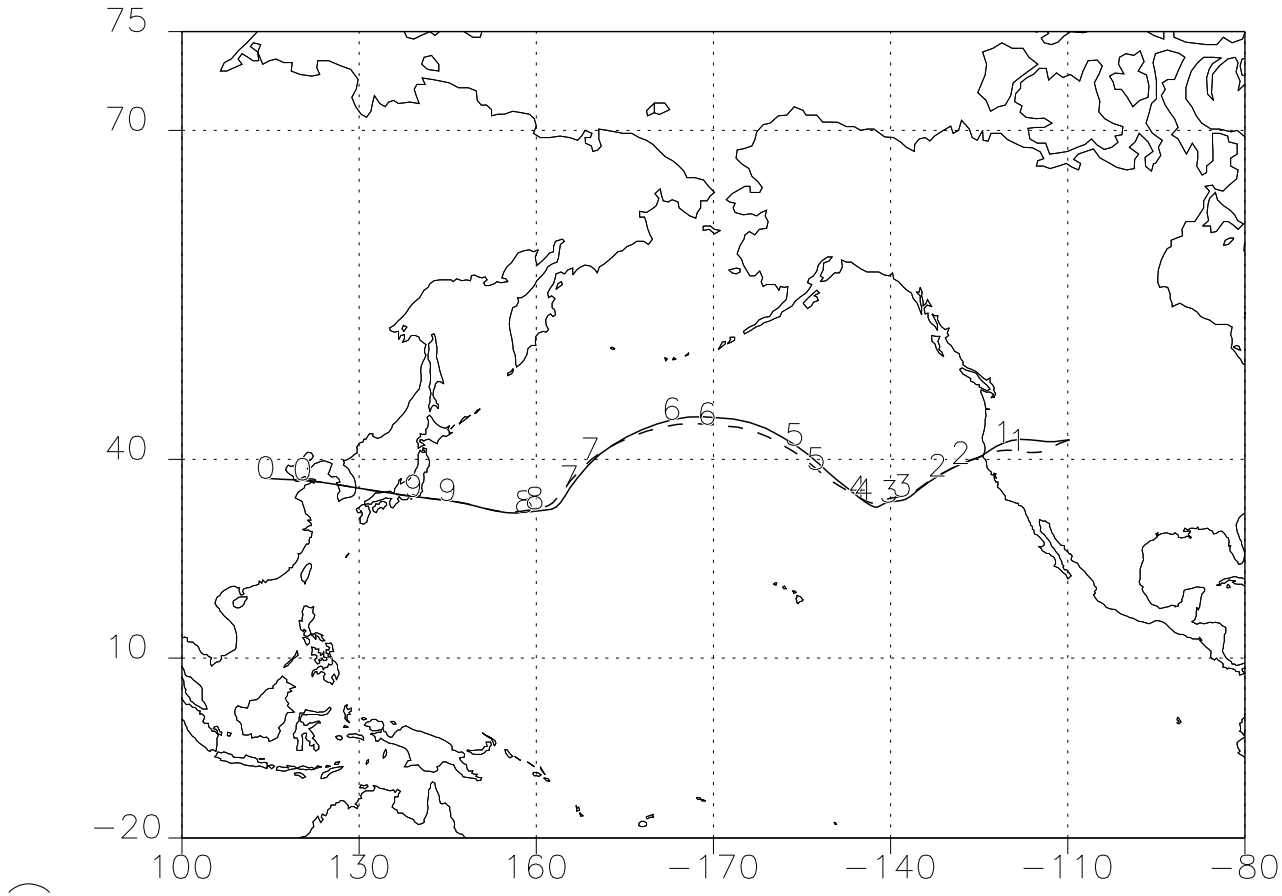
Day	km	hPa	C
0	2.4	761	−7
1	2.0	796	−8
2	2.3	762	−9
3	3.5	643	−16
4	4.5	561	−24
5	4.8	537	−26
6	2.6	728	−9
7	2.7	726	−8
8	4.2	598	−22
9	3.4	664	−15
10	3.1	692	−11

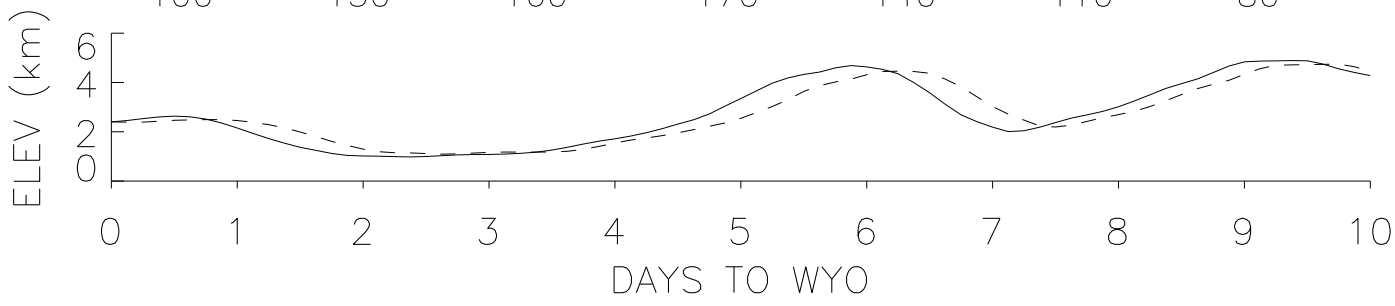
18UT

Day	km	hPa	C
0	2.4	760	−5
1	1.8	824	−1
2	1.1	902	4
3	1.4	865	1
4	2.5	747	−6
5	3.9	623	−16
6	3.9	623	−14
7	2.0	801	3
8	2.0	802	3
9	3.8	627	−15
10	6.1	451	−38

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/18/2006 (Day of Year 18)
NCEP/NCAR Reanalysis 1 Data Set





00UT

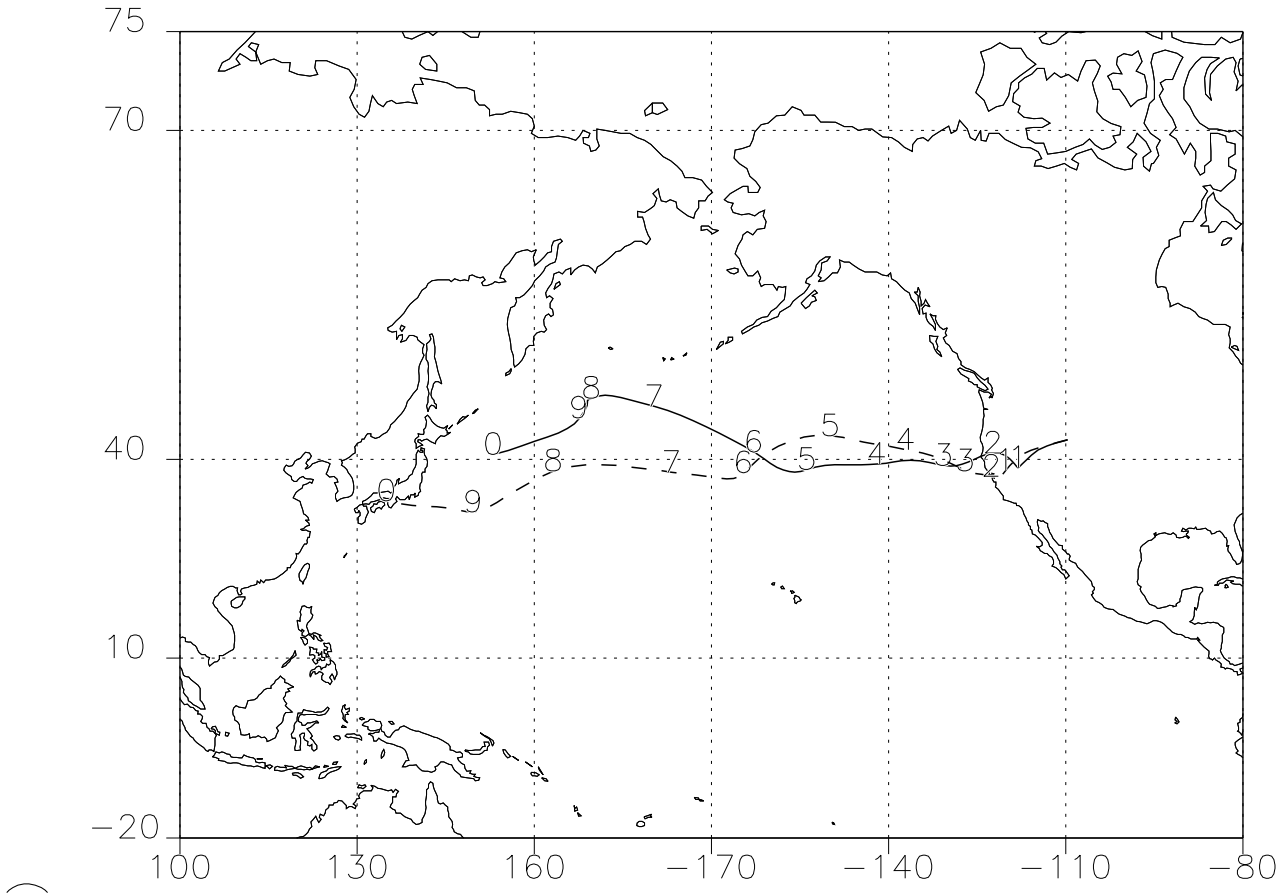
Day	km	hPa	C
0	2.4	758	−2
1	2.2	788	−1
2	1.0	907	7
3	1.1	900	6
4	1.7	833	4
5	3.3	672	−10
6	4.6	561	−23
7	2.2	781	−3
8	3.0	703	−7
9	4.8	546	−25
10	4.3	593	−18

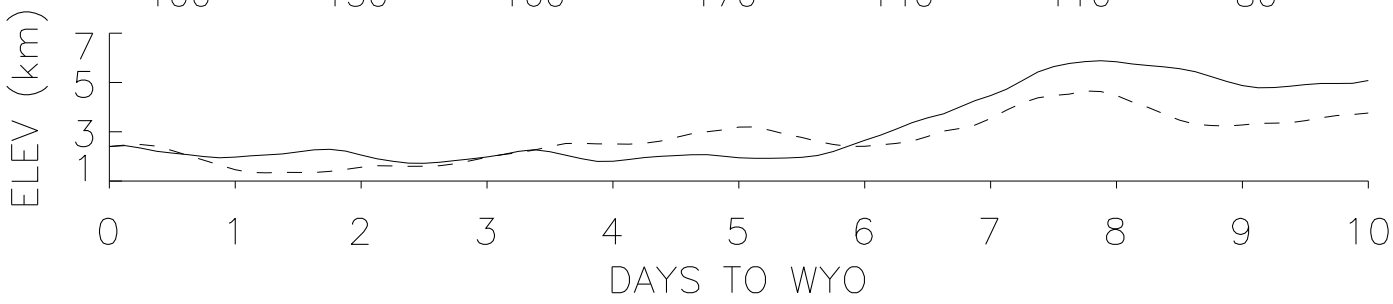
06UT

Day	km	hPa	C
0	2.4	754	−1
1	2.5	760	−2
2	1.3	876	5
3	1.2	891	6
4	1.5	852	6
5	2.5	748	−2
6	4.3	587	−19
7	3.0	696	−10
8	2.7	732	−5
9	4.3	586	−21
10	4.5	576	−21

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/18/2006 (Day of Year 18)
NCEP/NCAR Reanalysis 1 Data Set





12UT

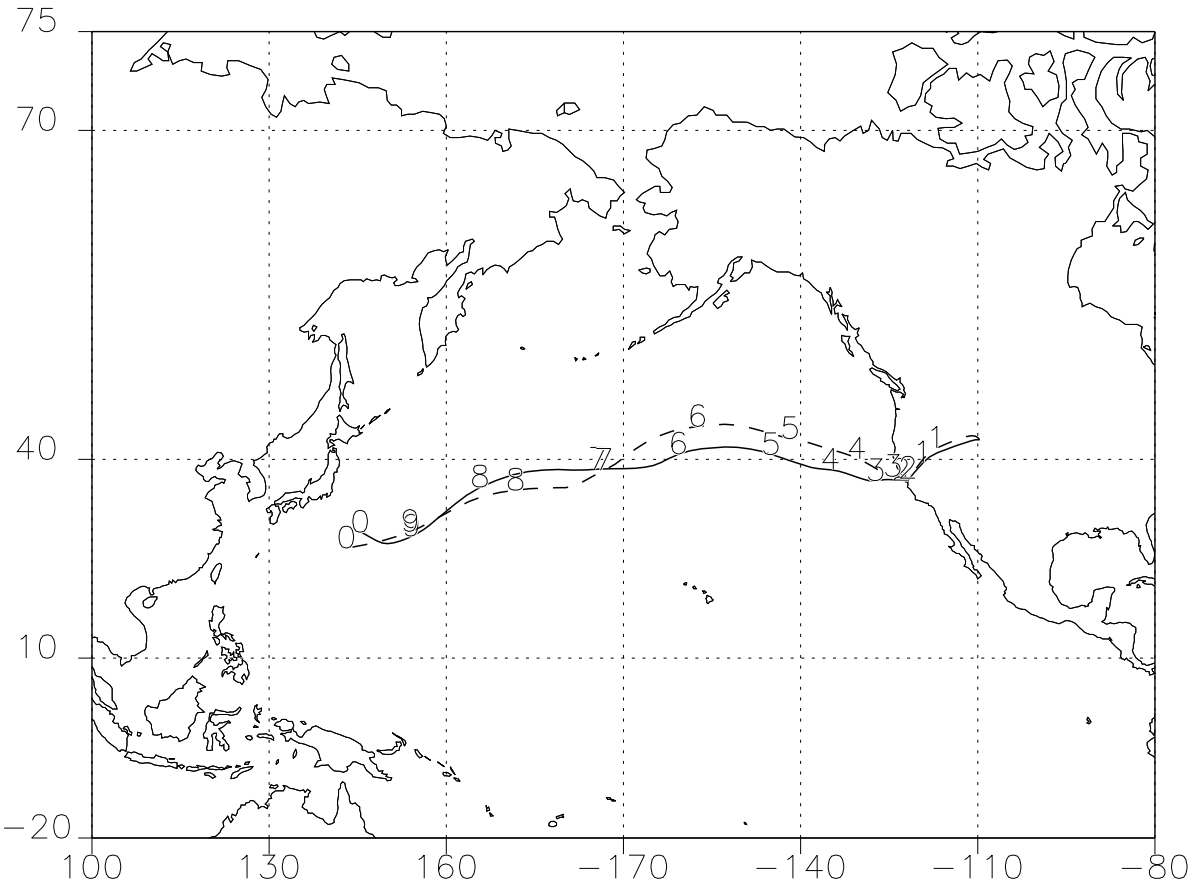
Day	km	hPa	C
0	2.4	752	−2
1	2.0	809	0
2	2.1	797	−3
3	2.0	804	−2
4	1.8	818	−2
5	1.9	808	0
6	2.7	736	−7
7	4.5	568	−26
8	5.8	460	−39
9	4.9	526	−29
10	5.1	509	−35

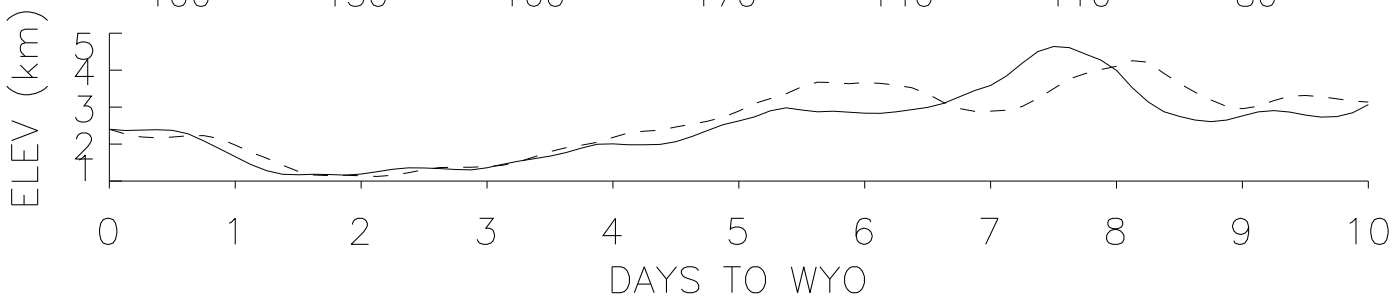
18UT

Day	km	hPa	C
0	2.4	751	−3
1	1.5	860	4
2	1.6	852	4
3	2.0	807	−2
4	2.5	746	−8
5	3.2	683	−12
6	2.4	763	−2
7	3.5	659	−10
8	4.5	576	−20
9	3.3	678	−11
10	3.8	632	−16

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/19/2006 (Day of Year 19)
NCEP/NCAR Reanalysis 1 Data Set





00UT

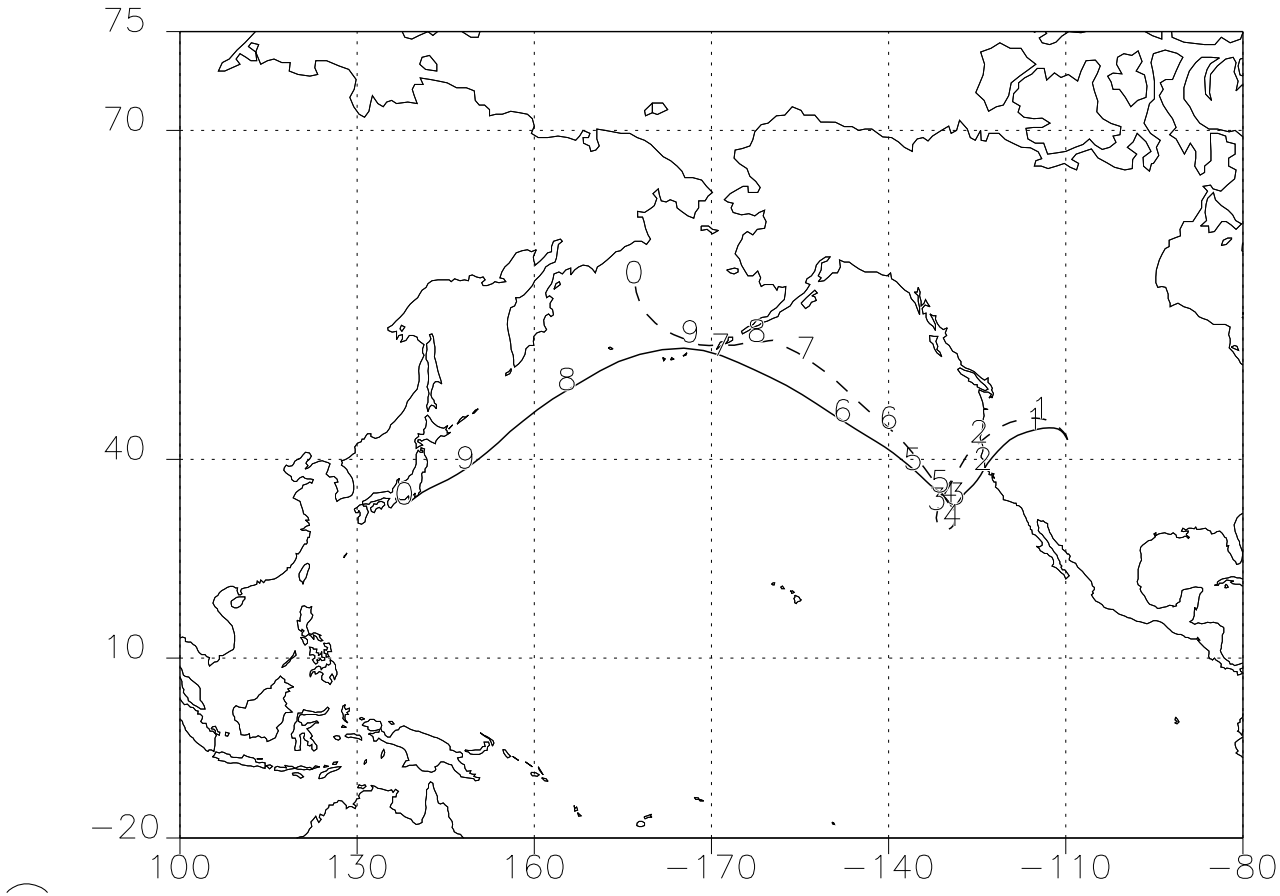
Day	km	hPa	C
0	2.4	750	−4
1	1.7	834	4
2	1.2	891	7
3	1.4	871	1
4	2.0	799	−4
5	2.6	736	−7
6	2.8	720	−5
7	3.6	656	−10
8	4.0	620	−13
9	2.8	729	−2
10	3.1	698	−5

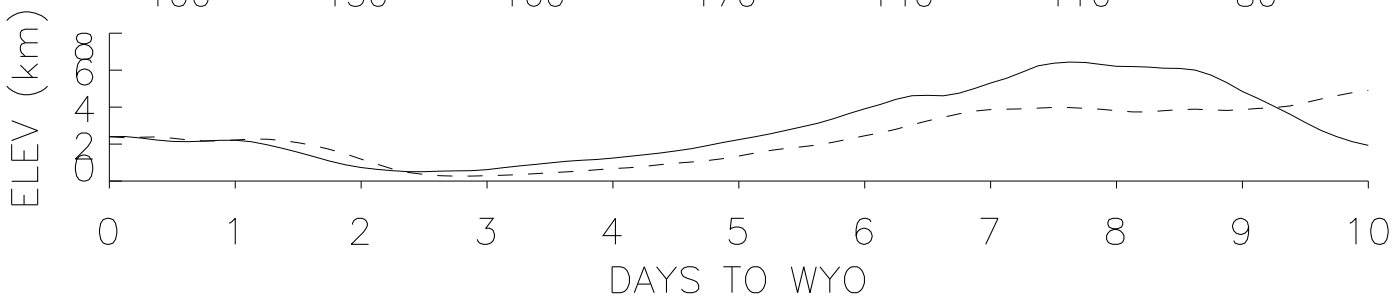
06UT

Day	km	hPa	C
0	2.4	752	−8
1	2.0	797	0
2	1.1	898	7
3	1.4	868	2
4	2.2	780	−5
5	2.9	709	−10
6	3.7	642	−12
7	2.9	714	−4
8	4.1	612	−13
9	3.0	709	−2
10	3.1	693	−3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/19/2006 (Day of Year 19)
NCEP/NCAR Reanalysis 1 Data Set





12UT

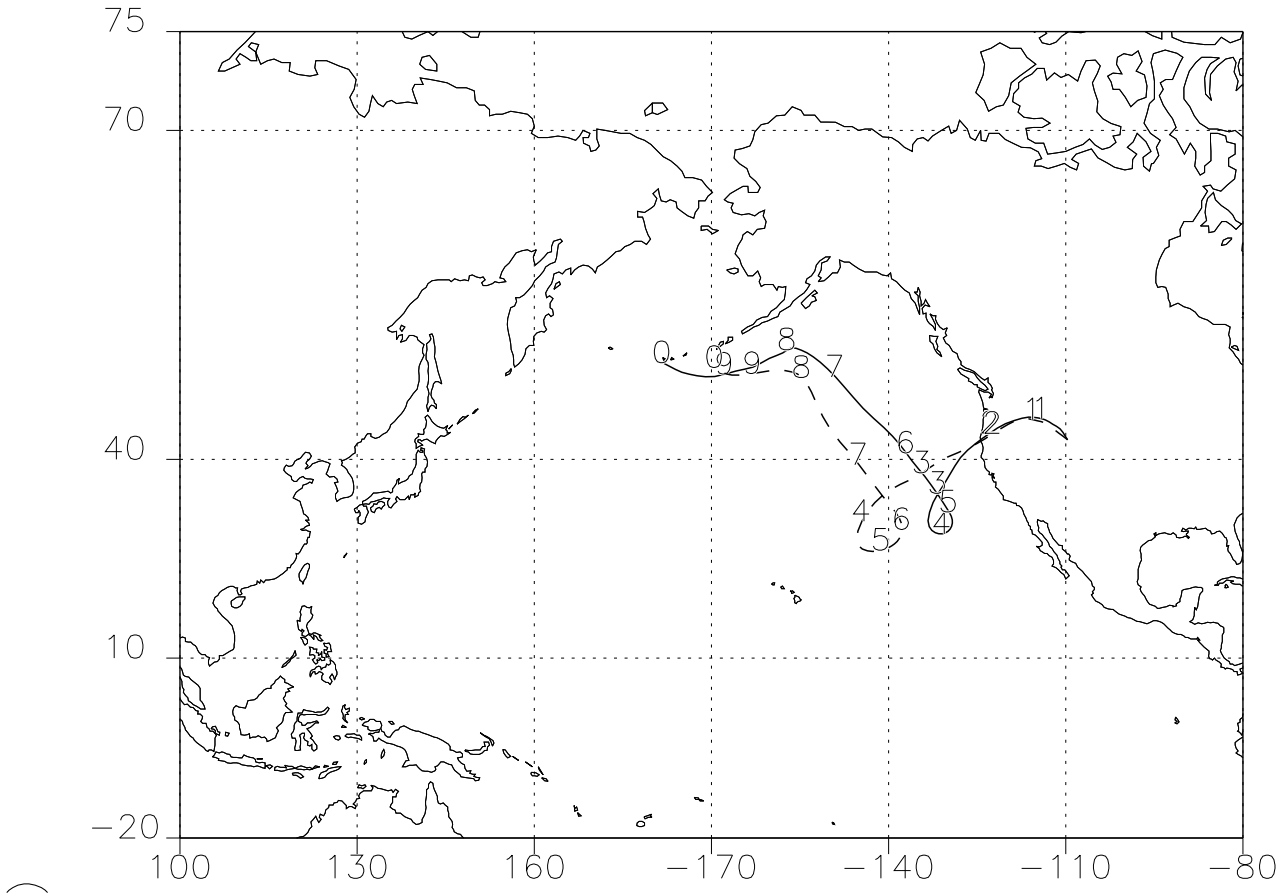
Day	km	hPa	C
0	2.4	753	−9
1	2.2	769	−4
2	0.7	939	8
3	0.6	955	10
4	1.2	884	3
5	2.2	773	−5
6	3.9	618	−16
7	5.3	502	−32
8	6.2	437	−41
9	4.8	539	−27
10	1.9	803	−6

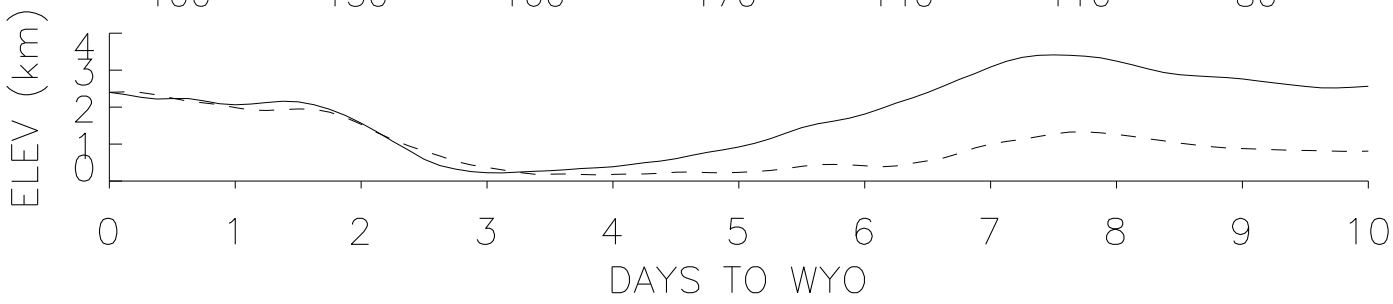
18UT

Day	km	hPa	C
0	2.4	754	−10
1	2.2	766	−6
2	1.2	880	5
3	0.3	994	15
4	0.7	950	9
5	1.4	866	1
6	2.4	746	−8
7	3.9	608	−25
8	3.8	604	−25
9	3.9	598	−28
10	4.9	513	−36

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/20/2006 (Day of Year 20)
NCEP/NCAR Reanalysis 1 Data Set





00UT

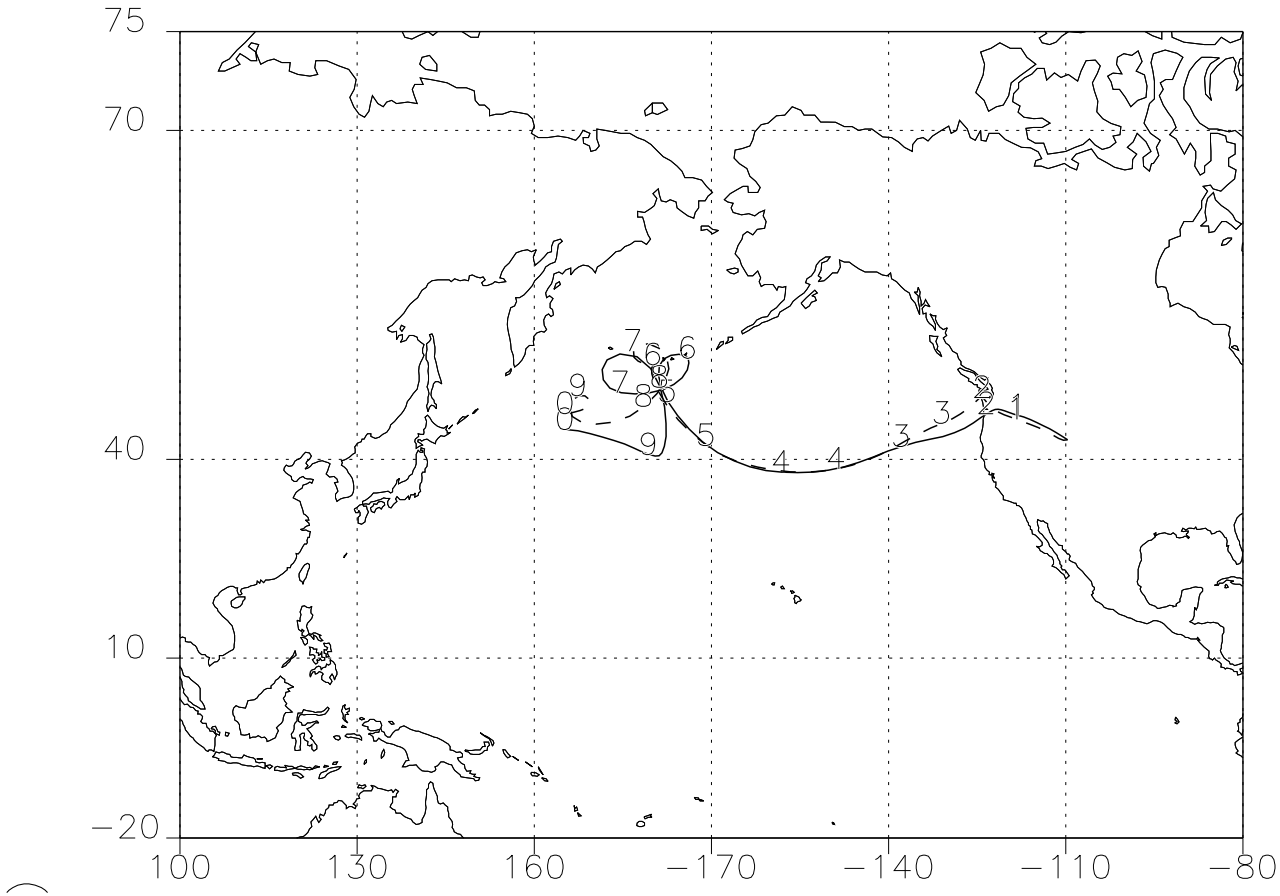
Day	km	hPa	C
0	2.4	756	−9
1	2.1	784	−6
2	1.6	835	−1
3	0.2	997	15
4	0.4	982	13
5	0.9	916	6
6	1.8	812	−3
7	3.1	678	−18
8	3.2	655	−21
9	2.8	699	−17
10	2.6	716	−16

06UT

Day	km	hPa	C
0	2.4	757	−11
1	2.0	795	−7
2	1.5	838	−1
3	0.4	975	14
4	0.2	1000	18
5	0.2	999	15
6	0.4	977	12
7	1.0	900	1
8	1.3	857	−7
9	0.9	895	−4
10	0.8	899	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/20/2006 (Day of Year 20)
NCEP/NCAR Reanalysis 1 Data Set

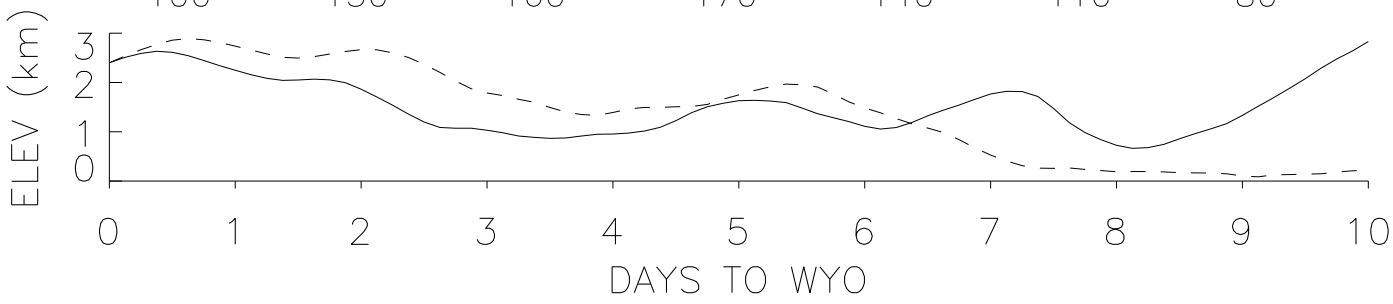


12UT

Day	km	hPa	C
0	2.4	758	−11
1	2.2	770	−8
2	1.9	800	−5
3	1.0	892	3
4	1.0	899	1
5	1.6	814	−10
6	1.1	858	−5
7	1.8	791	−10
8	0.7	915	−2
9	1.3	869	−5
10	2.8	705	−17

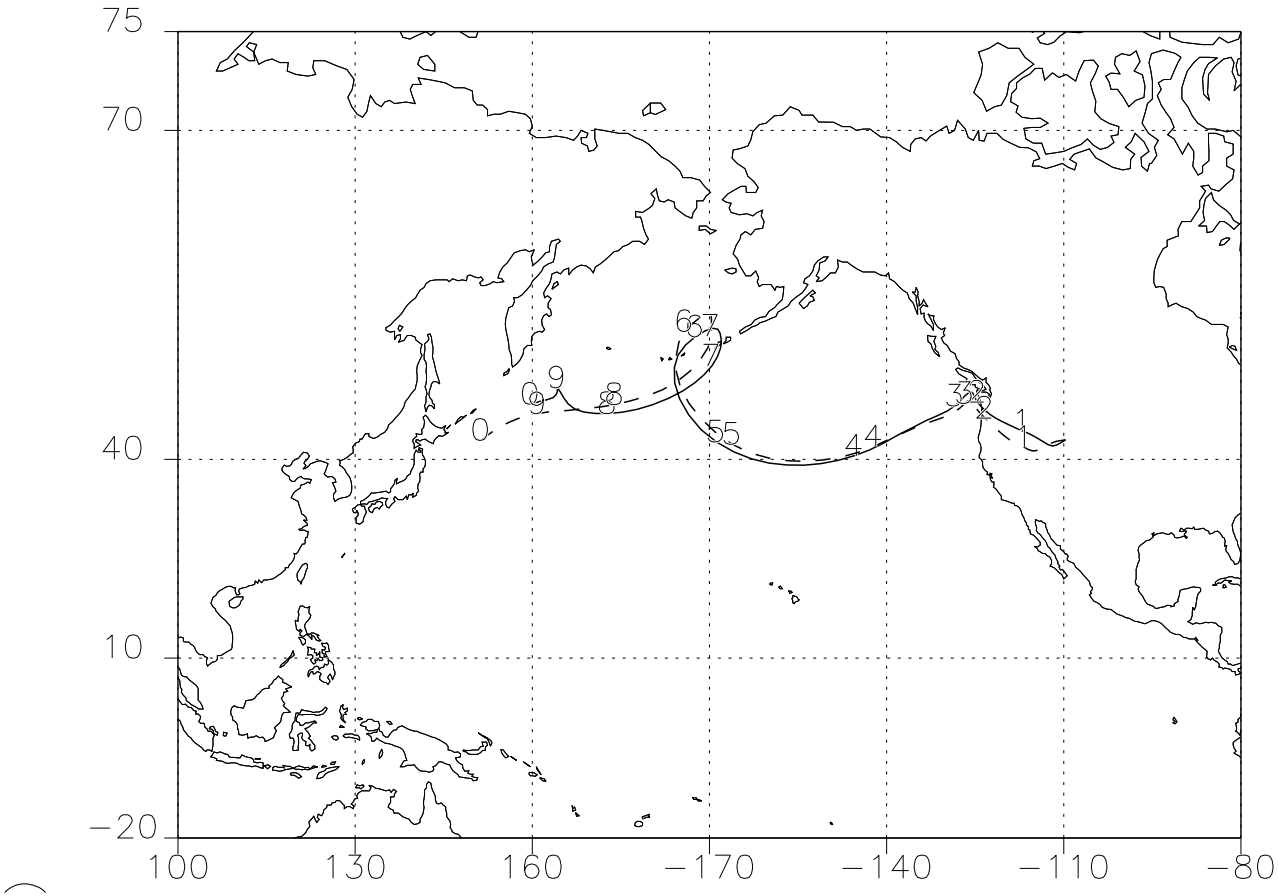
18UT

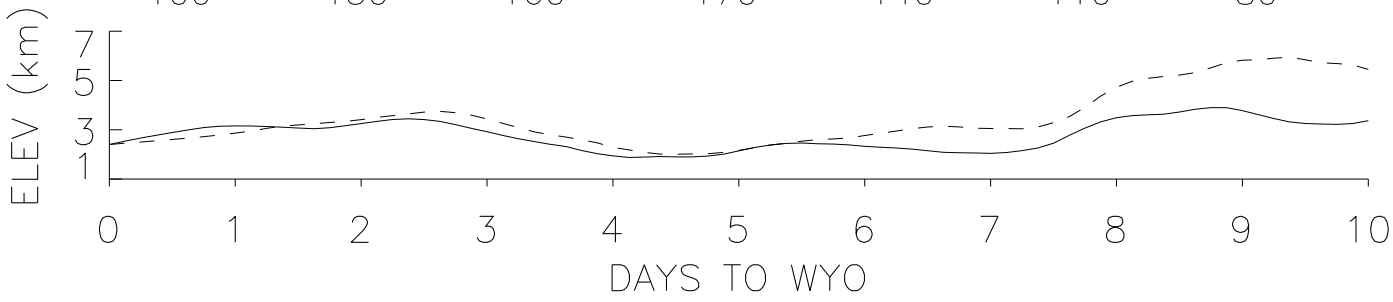
Day	km	hPa	C
0	2.4	759	−10
1	2.7	725	−12
2	2.7	723	−10
3	1.8	809	−2
4	1.4	854	2
5	1.7	805	−9
6	1.5	817	−8
7	0.5	918	0
8	0.2	970	3
9	0.1	993	2
10	0.2	989	0



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/21/2006 (Day of Year 21)
NCEP/NCAR Reanalysis 1 Data Set





00UT

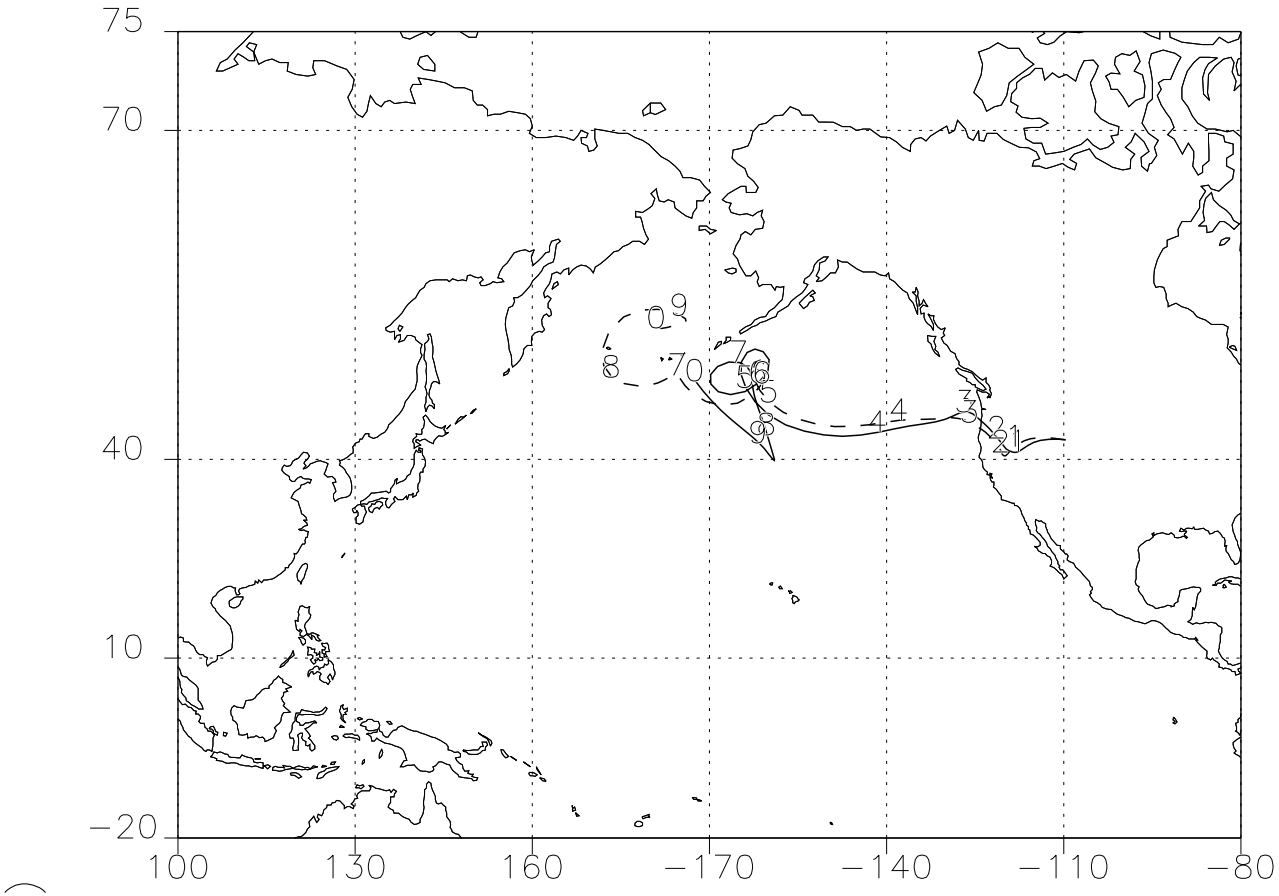
Day	km	hPa	C
0	2.4	757	−8
1	3.2	687	−14
2	3.3	673	−13
3	2.9	697	−10
4	1.9	794	−3
5	2.1	764	−9
6	2.3	734	−12
7	2.0	768	−8
8	3.5	634	−20
9	3.8	611	−25
10	3.4	655	−23

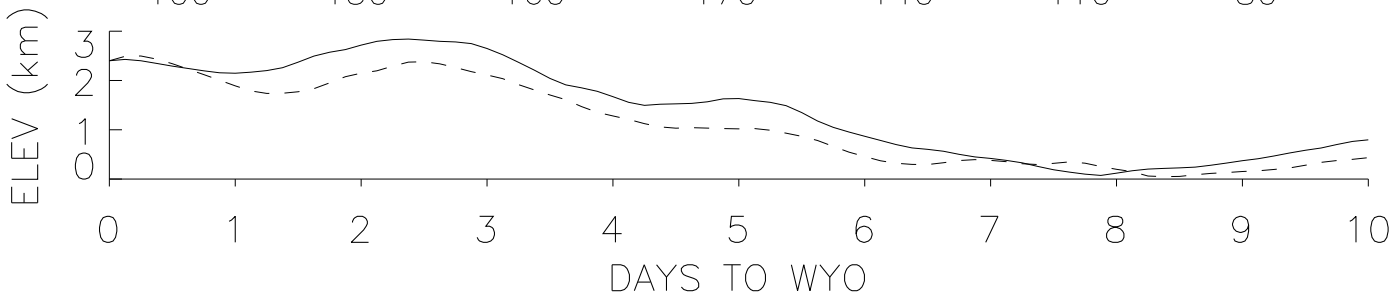
06UT

Day	km	hPa	C
0	2.4	757	−10
1	2.9	715	−11
2	3.4	663	−14
3	3.4	652	−14
4	2.3	760	−5
5	2.2	765	−8
6	2.8	696	−15
7	3.1	671	−17
8	4.7	533	−31
9	5.8	458	−41
10	5.4	489	−39

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/21/2006 (Day of Year 21)
NCEP/NCAR Reanalysis 1 Data Set





12UT

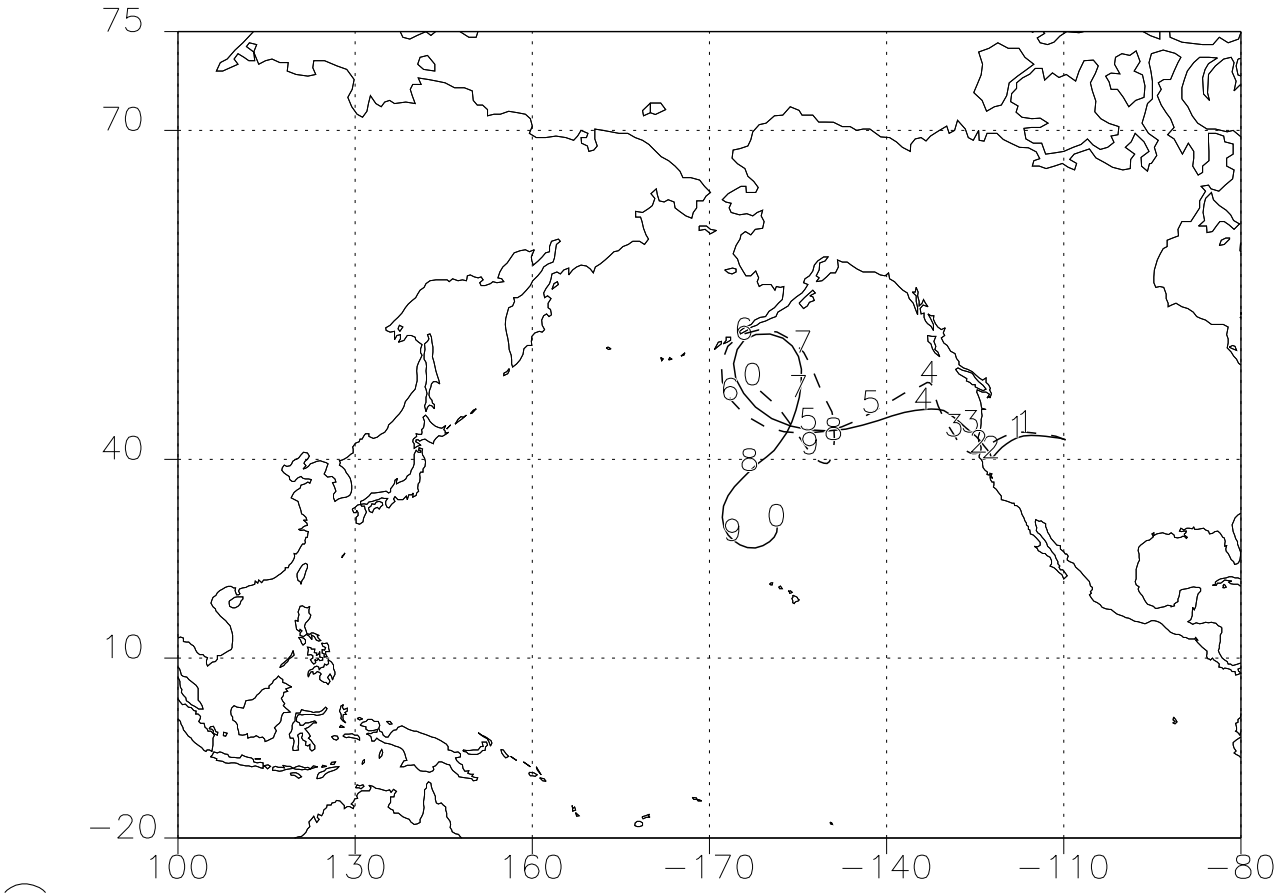
Day	km	hPa	C
0	2.4	758	−9
1	2.1	785	−9
2	2.7	727	−10
3	2.6	722	−9
4	1.7	817	−3
5	1.6	804	−6
6	0.9	869	−3
7	0.4	939	4
8	0.1	1000	6
9	0.4	980	2
10	0.8	914	−7

18UT

Day	km	hPa	C
0	2.4	760	−9
1	1.9	810	−6
2	2.1	785	−7
3	2.1	778	−6
4	1.3	857	−1
5	1.0	871	−1
6	0.5	917	2
7	0.4	938	1
8	0.2	964	0
9	0.2	995	−2
10	0.4	961	−6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/22/2006 (Day of Year 22)
NCEP/NCAR Reanalysis 1 Data Set

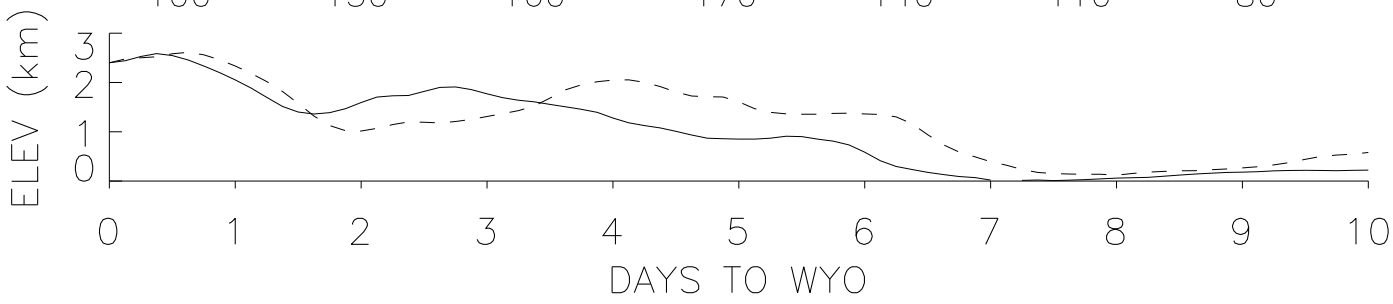


00UT

Day	km	hPa	C
0	2.4	760	−8
1	2.1	792	−5
2	1.6	843	0
3	1.8	816	−4
4	1.3	856	−2
5	0.9	897	1
6	0.6	911	1
7	0.0	982	9
8	0.1	1000	14
9	0.2	1000	20
10	0.2	999	16

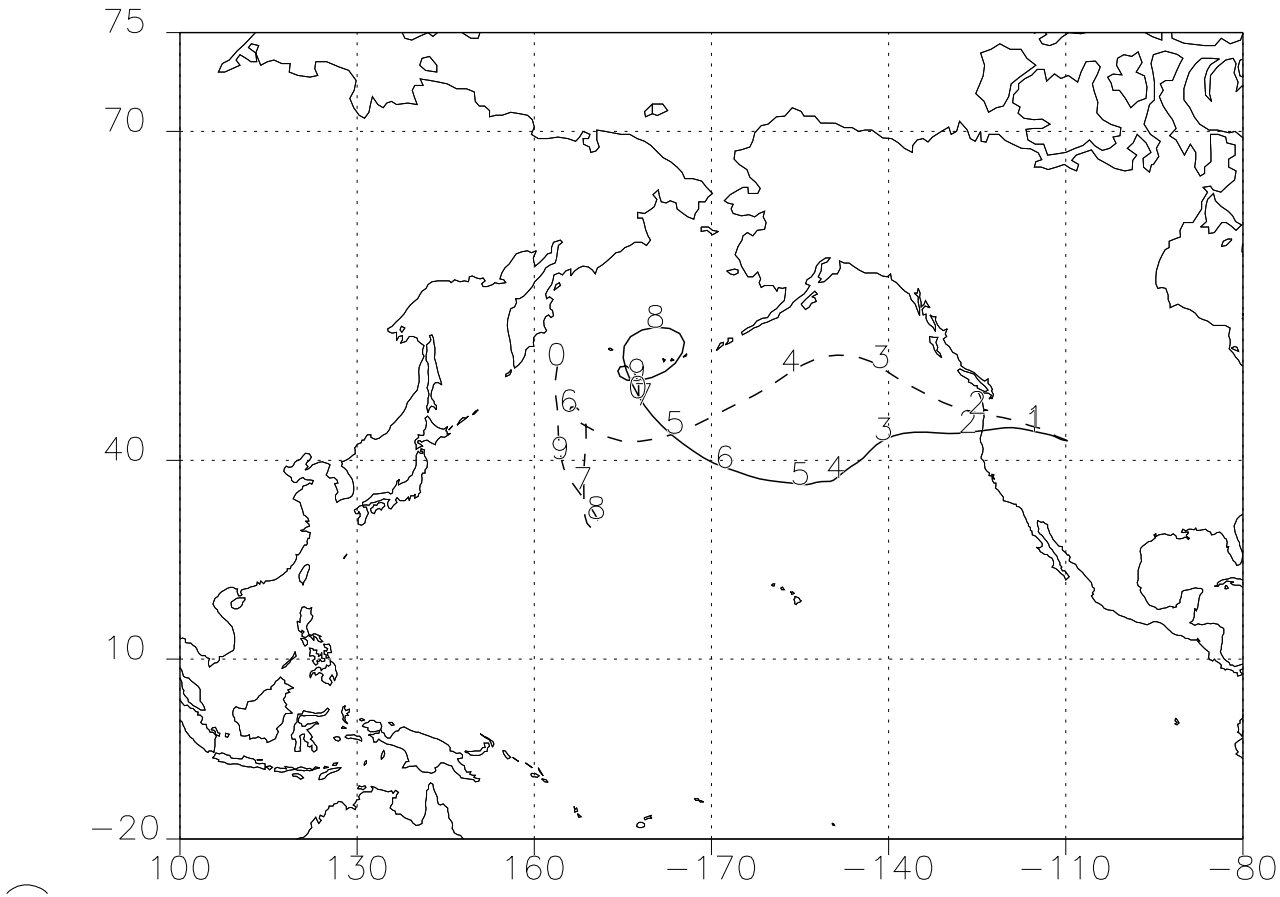
06UT

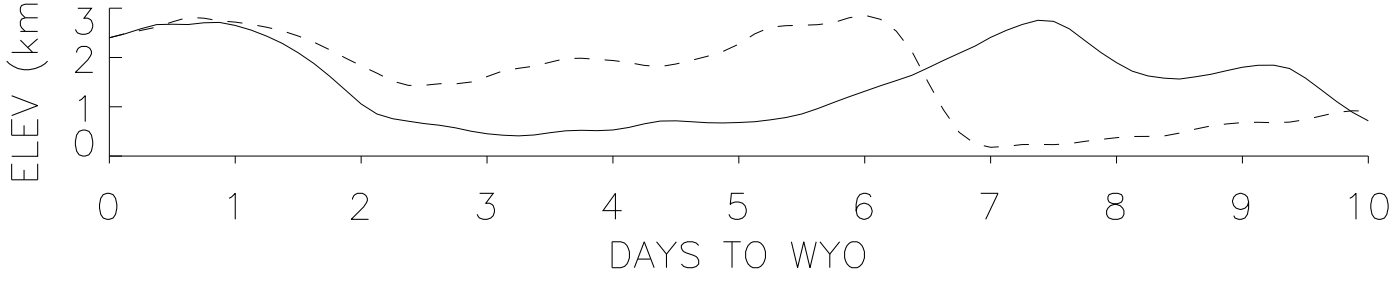
Day	km	hPa	C
0	2.4	761	−11
1	2.3	764	−9
2	1.0	905	2
3	1.3	871	0
4	2.0	778	−6
5	1.6	818	−2
6	1.4	832	−6
7	0.4	935	3
8	0.1	1000	8
9	0.3	992	5
10	0.6	943	−4



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/22/2006 (Day of Year 22)
NCEP/NCAR Reanalysis 1 Data Set





12UT

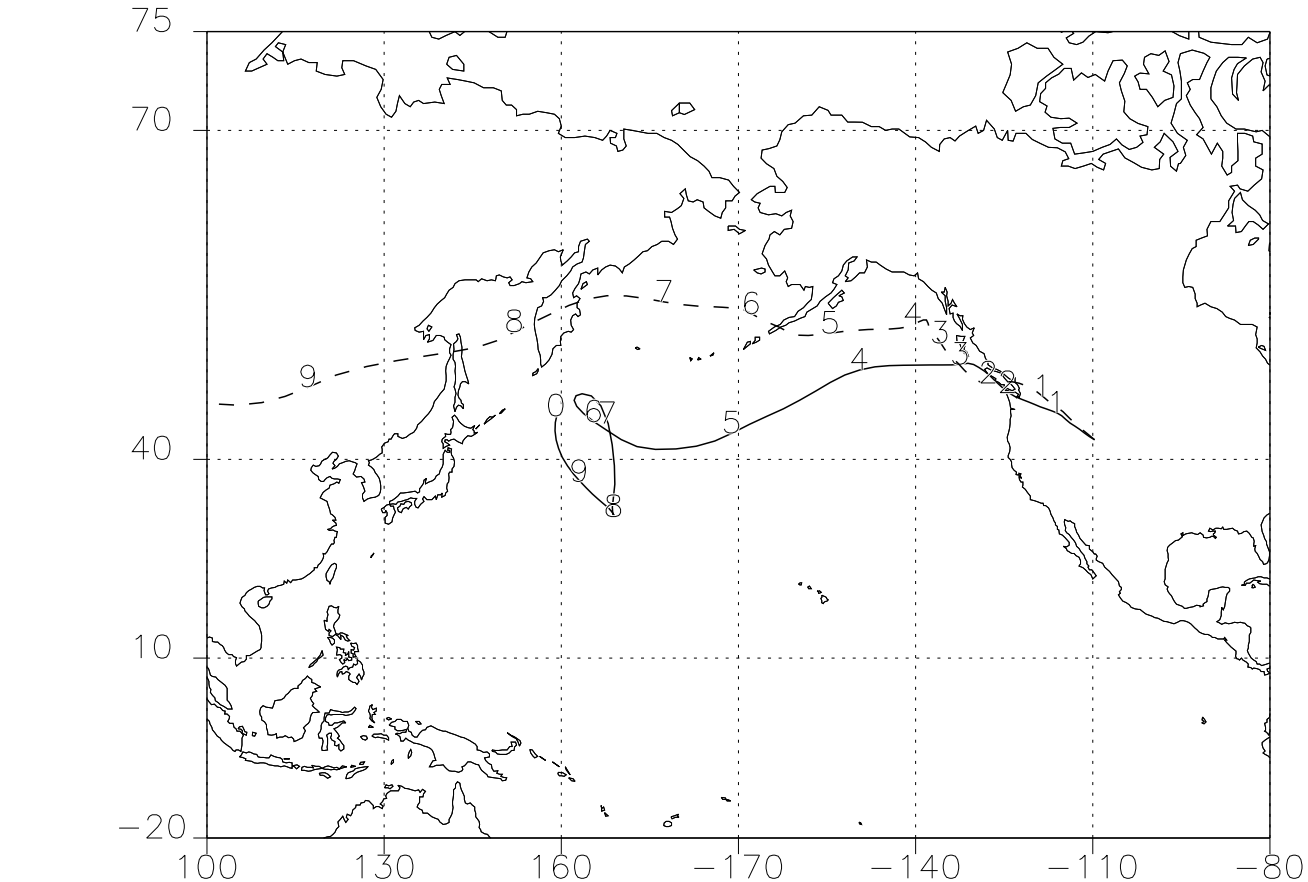
Day	km	hPa	C
0	2.4	762	−11
1	2.7	734	−11
2	1.1	895	3
3	0.5	971	8
4	0.5	966	7
5	0.7	944	5
6	1.3	864	−3
7	2.4	741	−13
8	1.9	777	−11
9	1.8	783	−9
10	0.7	905	0

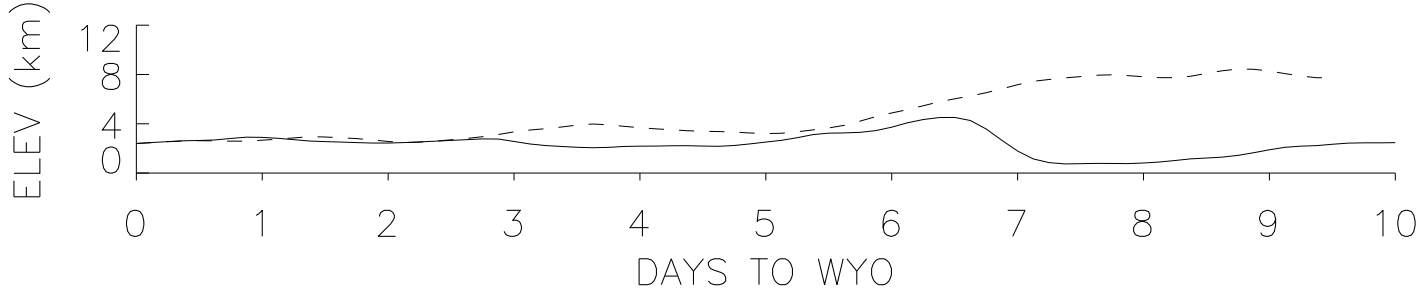
18UT

Day	km	hPa	C
0	2.4	763	−12
1	2.7	729	−12
2	1.8	809	−4
3	1.6	827	−4
4	1.9	789	−5
5	2.3	750	−8
6	2.9	686	−13
7	0.2	987	15
8	0.4	981	9
9	0.7	932	−3
10	0.9	896	−10

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/23/2006 (Day of Year 23)
NCEP/NCAR Reanalysis 1 Data Set





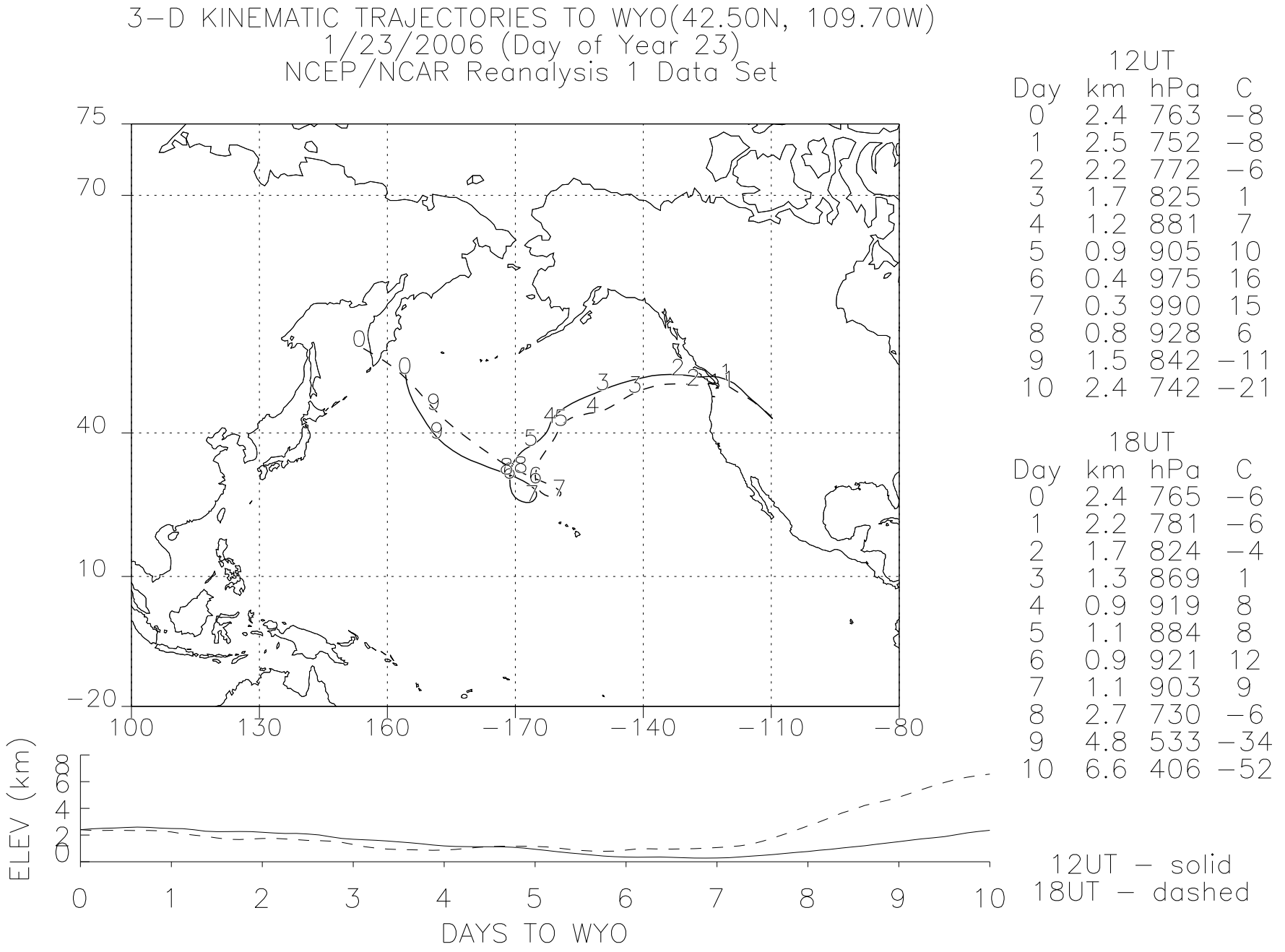
00UT

Day	km	hPa	C
0	2.4	764	−9
1	2.9	711	−13
2	2.4	749	−9
3	2.6	728	−10
4	2.2	768	−5
5	2.5	733	−6
6	3.7	616	−17
7	1.8	795	−3
8	0.8	931	5
9	1.9	805	−9
10	2.5	734	−20

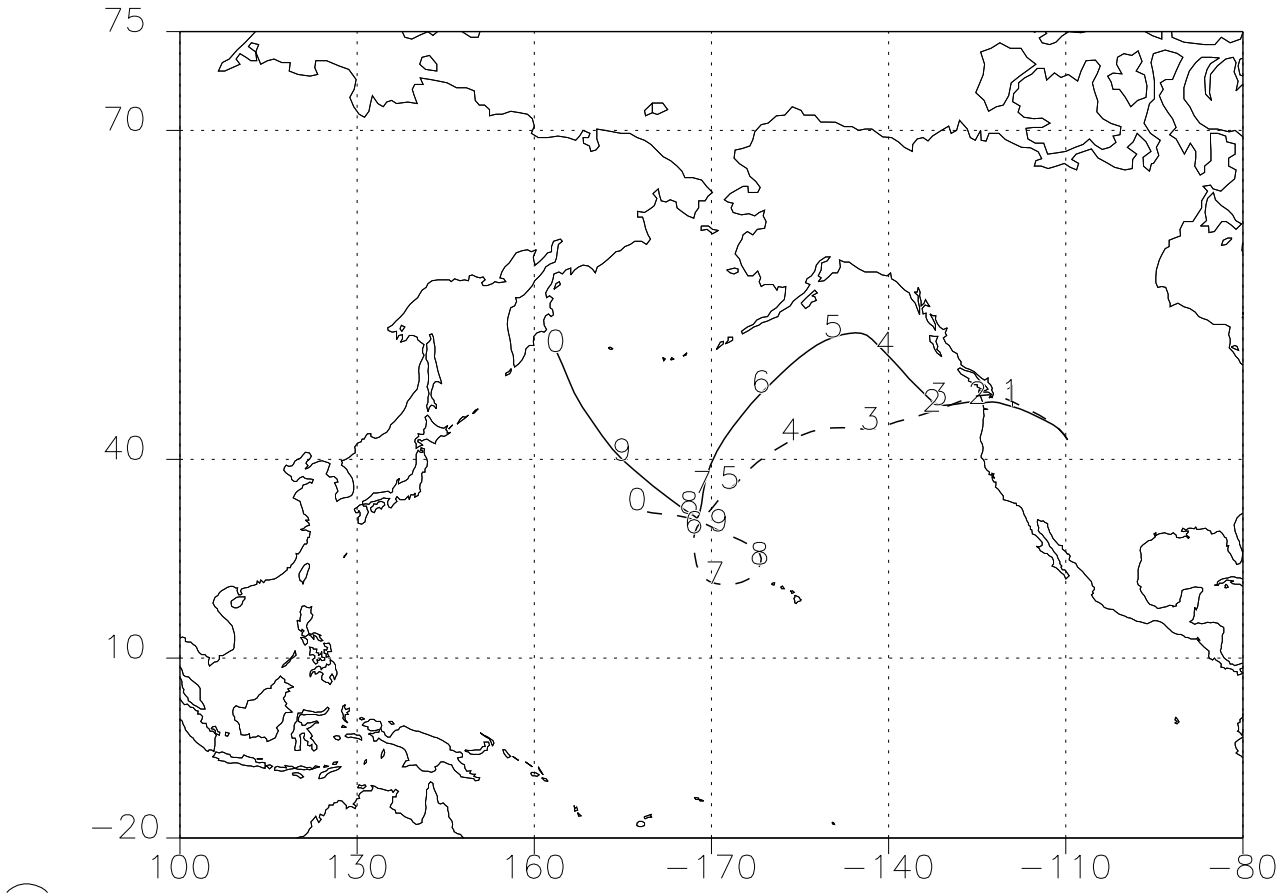
06UT

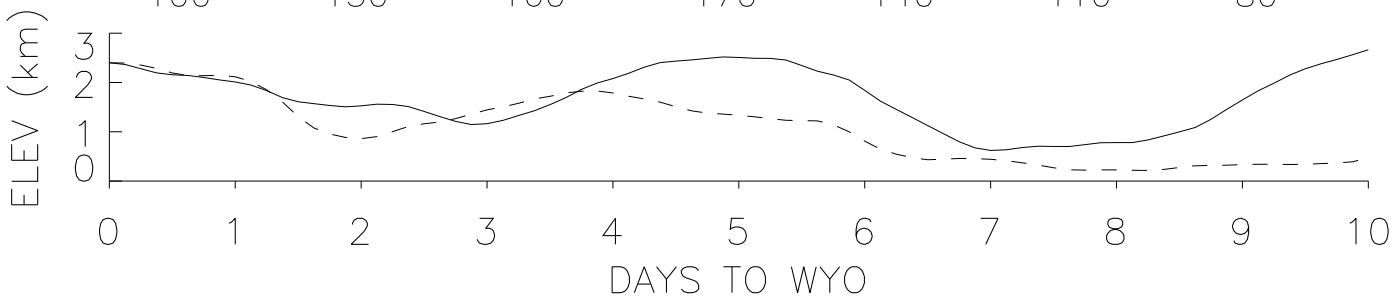
Day	km	hPa	C
0	2.4	764	−10
1	2.7	735	−10
2	2.6	738	−8
3	3.3	660	−14
4	3.7	627	−19
5	3.2	667	−15
6	4.9	528	−29
7	7.2	372	−51
8	7.8	333	−54
9	8.3	313	−59

00UT − solid
06UT − dashed


3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/23/2006 (Day of Year 23)
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
0
1
2
3
4
5
6
7
8
9
10
DAYS TO WYO
12UT
Day km hPa C
0 2.4 763 -8
1 2.5 752 -8
2 2.2 772 -6
3 1.7 825 1
4 1.2 881 7
5 0.9 905 10
6 0.4 975 16
7 0.3 990 15
8 0.8 928 6
9 1.5 842 -11
10 2.4 742 -21
18UT
Day km hPa C
0 2.4 765 -6
1 2.2 781 -6
2 1.7 824 -4
3 1.3 869 1
4 0.9 919 8
5 1.1 884 8
6 0.9 921 12
7 1.1 903 9
8 2.7 730 -6
9 4.8 533 -34
10 6.6 406 -52
12UT - solid
18UT - dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/24/2006 (Day of Year 24)
NCEP/NCAR Reanalysis 1 Data Set





00UT

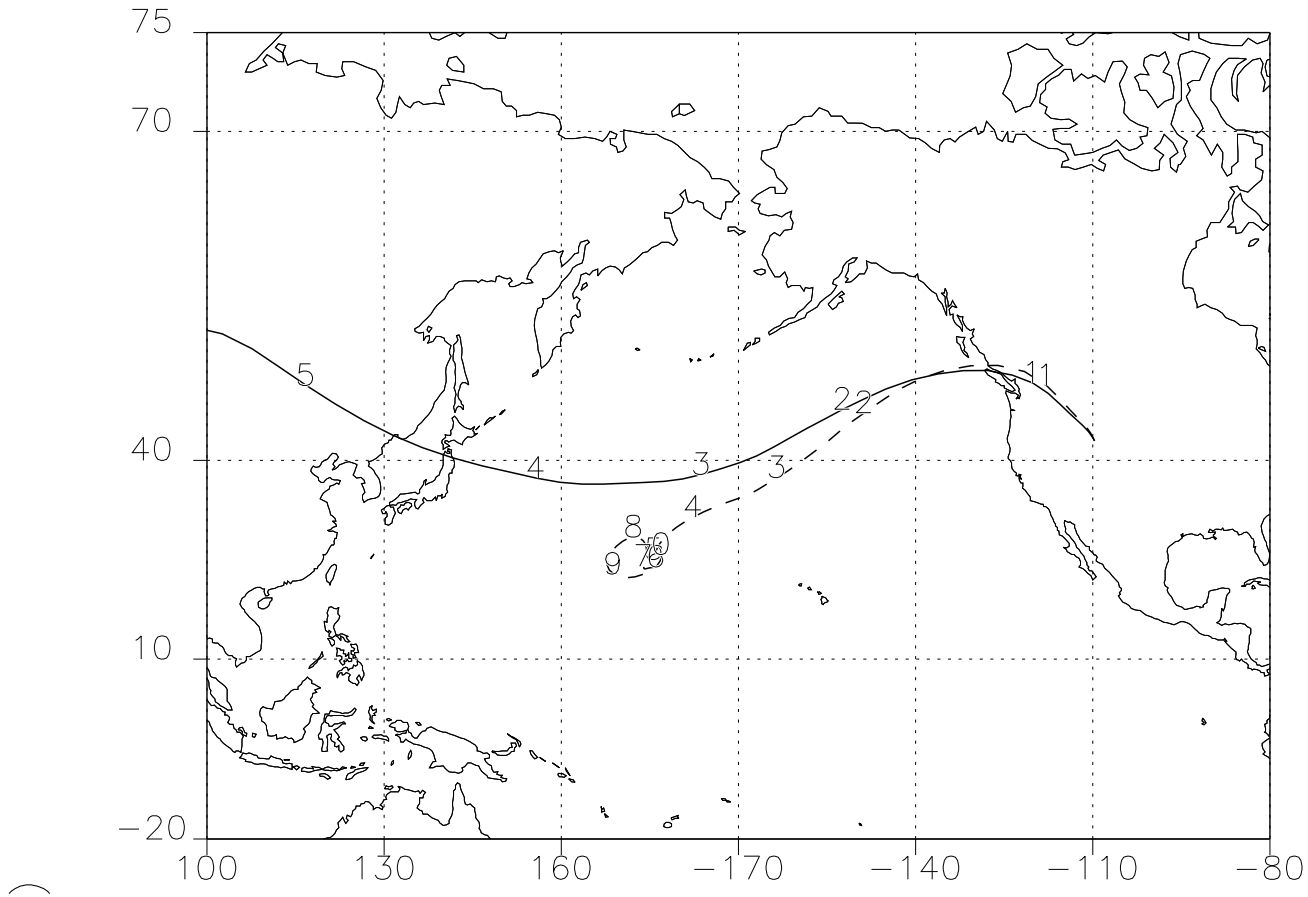
Day	km	hPa	C
0	2.4	765	−1
1	2.0	804	−3
2	1.5	850	−3
3	1.2	884	0
4	2.1	778	−8
5	2.5	732	−10
6	1.8	799	−2
7	0.6	944	9
8	0.8	932	6
9	1.6	828	−12
10	2.7	714	−25

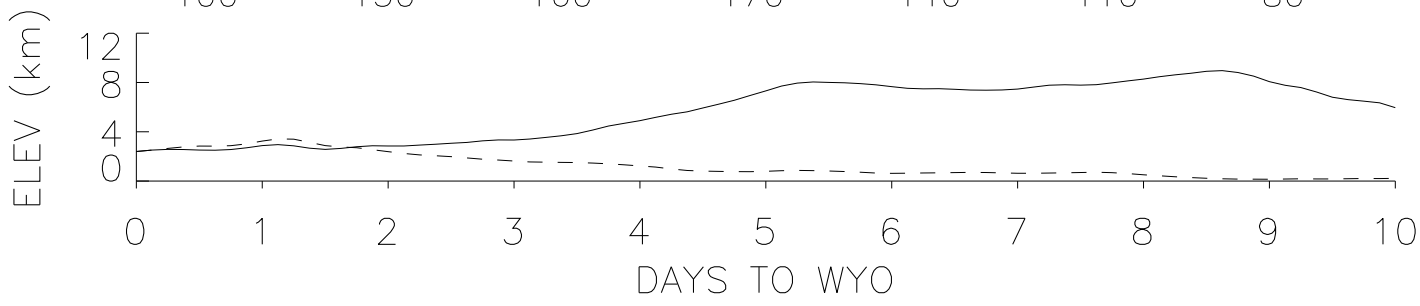
06UT

Day	km	hPa	C
0	2.4	768	−2
1	2.1	794	−2
2	0.9	926	6
3	1.4	859	5
4	1.8	821	4
5	1.3	867	10
6	0.8	918	16
7	0.4	967	20
8	0.2	995	20
9	0.3	980	15
10	0.5	955	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/24/2006 (Day of Year 24)
NCEP/NCAR Reanalysis 1 Data Set





12UT

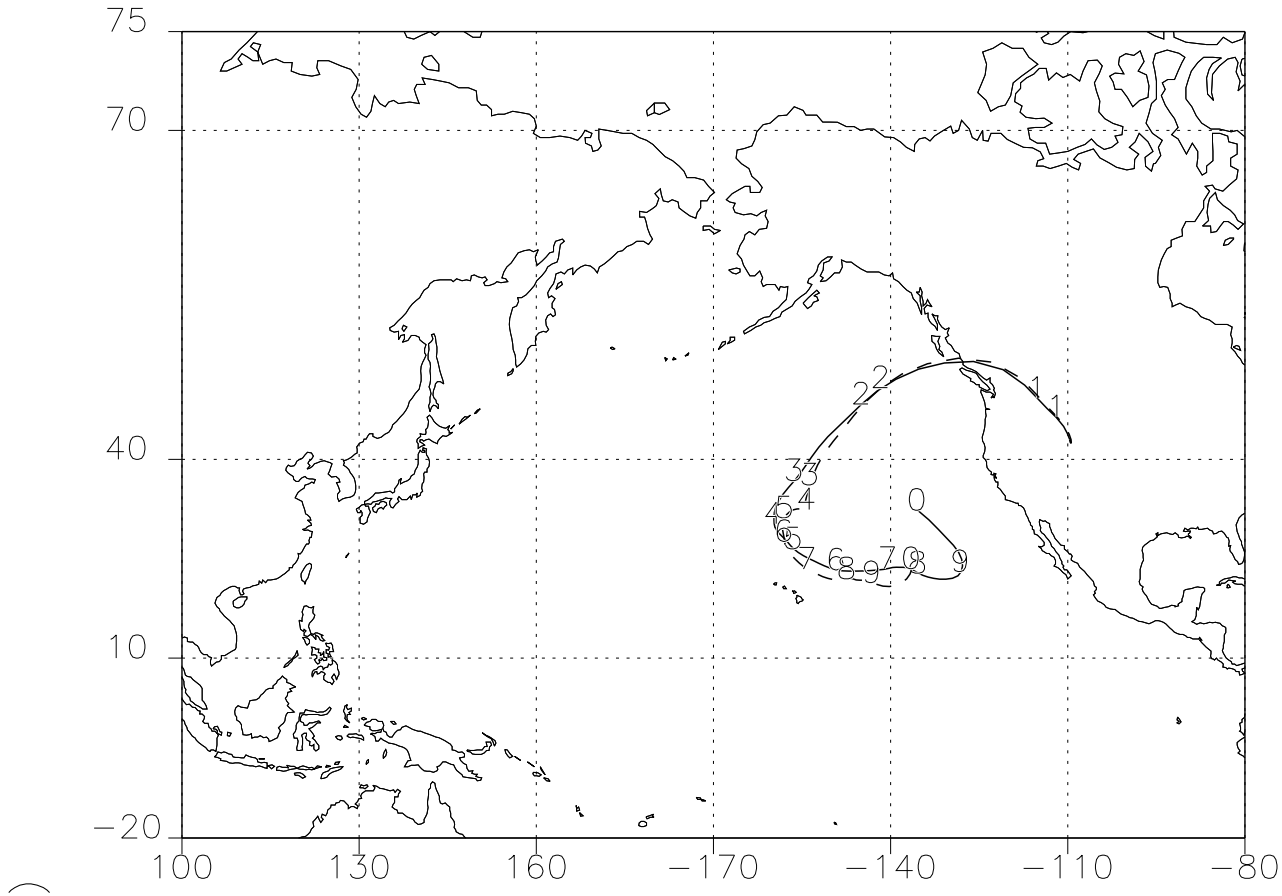
Day	km	hPa	C
0	2.4	768	−2
1	2.9	718	−4
2	2.8	713	−7
3	3.3	668	−12
4	4.9	531	−25
5	7.3	376	−46
6	7.7	352	−50
7	7.5	365	−45
8	8.3	331	−51
9	8.1	330	−51
10	6.0	467	−28

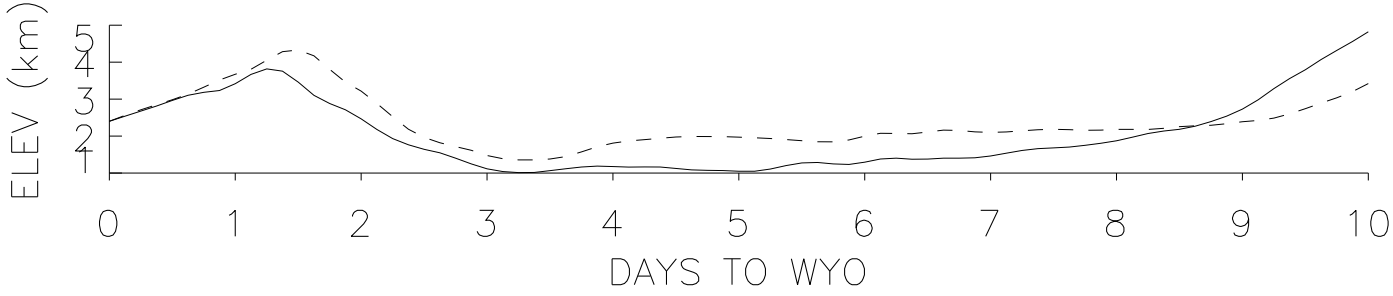
18UT

Day	km	hPa	C
0	2.4	769	−3
1	3.2	685	−5
2	2.4	761	−1
3	1.6	839	6
4	1.2	877	12
5	0.8	926	17
6	0.6	942	18
7	0.6	940	18
8	0.5	951	16
9	0.1	1000	22
10	0.2	996	17

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/25/2006 (Day of Year 25)
NCEP/NCAR Reanalysis 1 Data Set





00UT

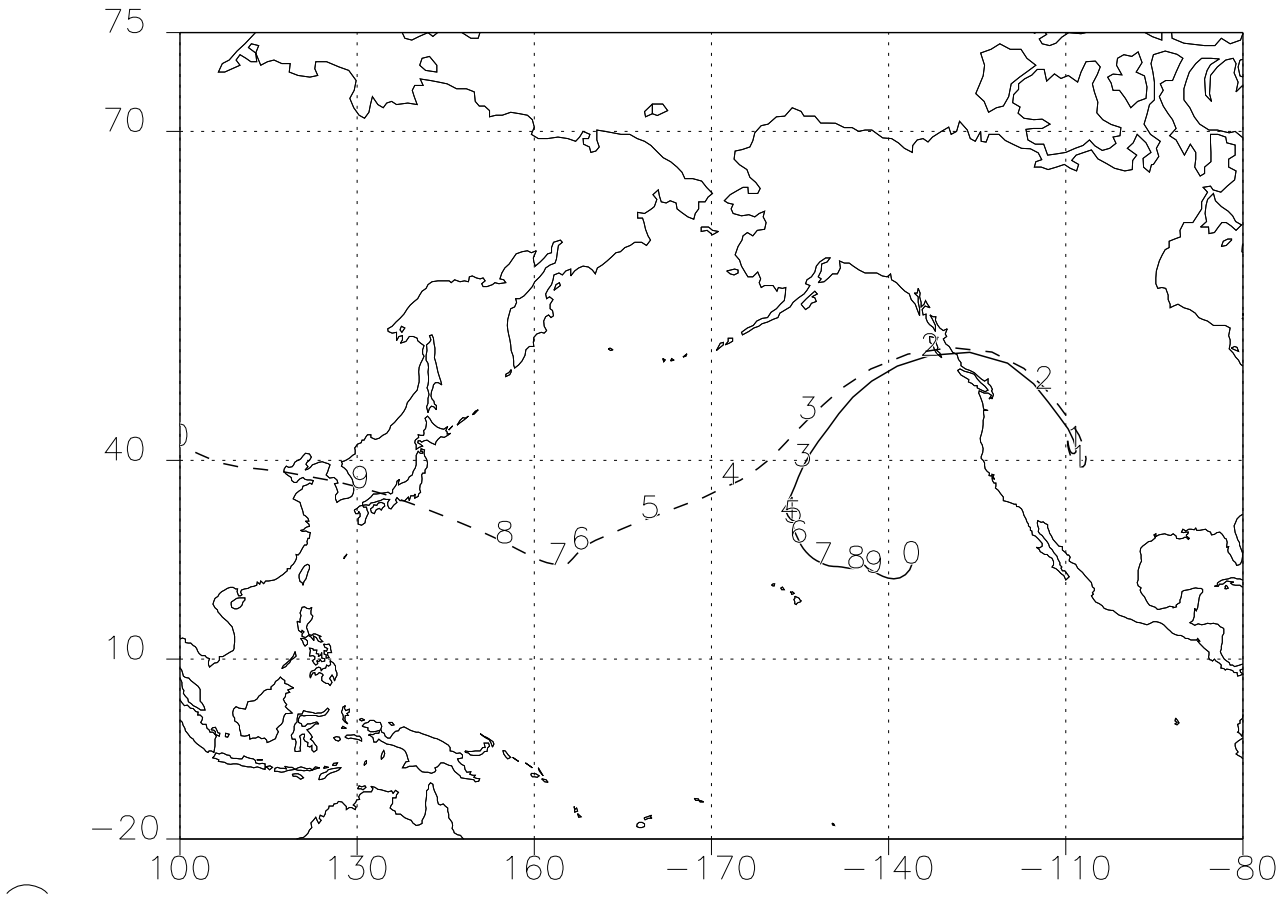
Day	km	hPa	C
0	2.4	768	3
1	3.4	673	−4
2	2.5	755	−1
3	1.1	896	12
4	1.2	891	14
5	1.0	905	15
6	1.3	878	12
7	1.5	861	11
8	1.9	819	10
9	2.7	737	7
10	4.8	562	−11

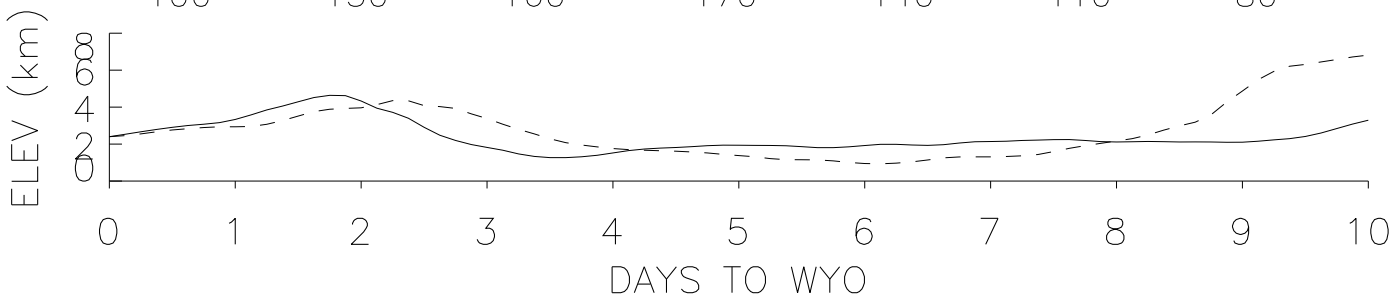
06UT

Day	km	hPa	C
0	2.4	766	−3
1	3.7	653	−5
2	3.2	686	−4
3	1.5	860	9
4	1.8	828	8
5	2.0	811	8
6	2.0	809	9
7	2.1	797	10
8	2.2	790	9
9	2.4	770	11
10	3.4	679	4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/25/2006 (Day of Year 25)
NCEP/NCAR Reanalysis 1 Data Set





12UT

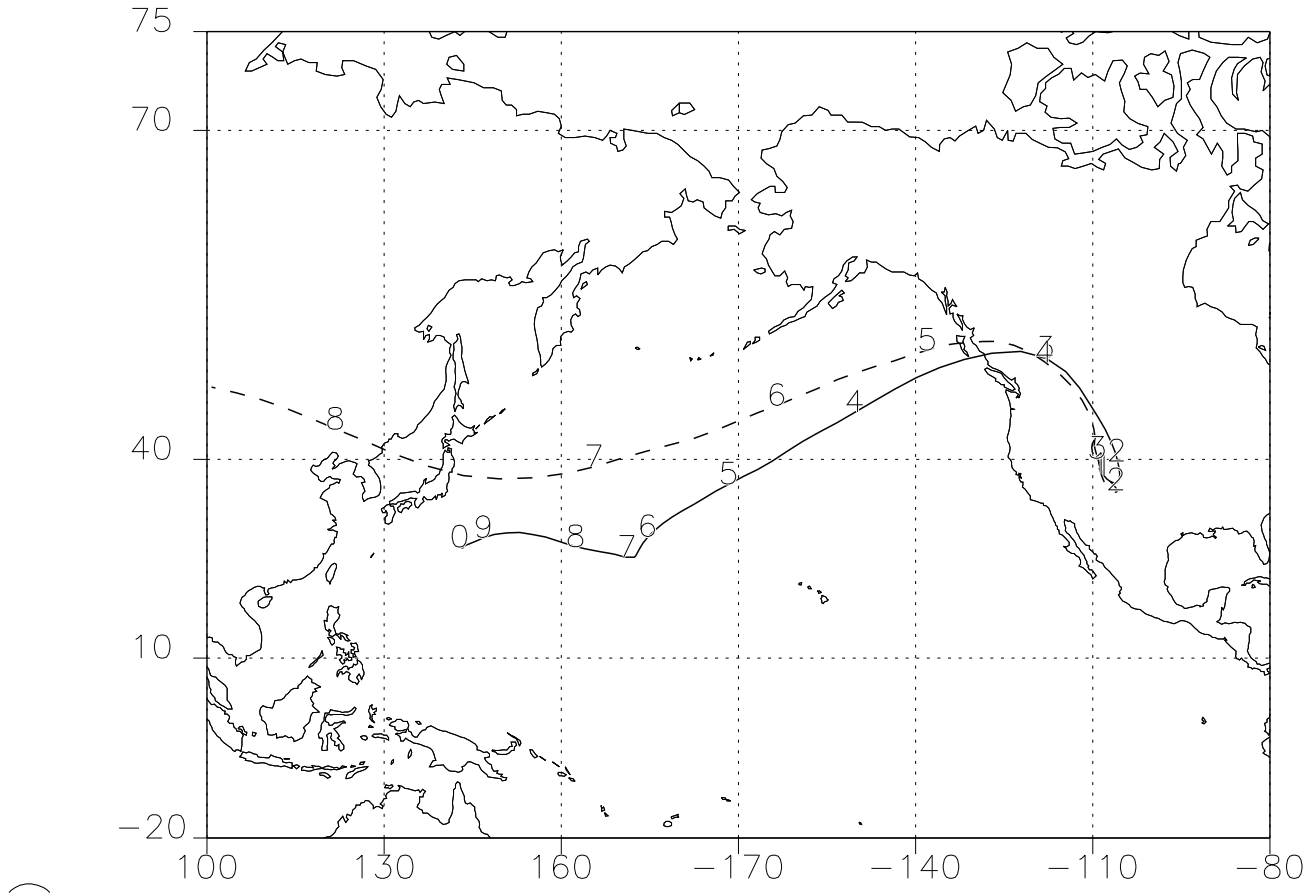
Day	km	hPa	C
0	2.4	765	−4
1	3.3	683	−1
2	4.3	590	−13
3	1.8	821	7
4	1.5	857	10
5	1.9	814	8
6	1.9	816	9
7	2.1	794	9
8	2.1	796	9
9	2.1	797	11
10	3.3	690	4

18UT

Day	km	hPa	C
0	2.4	764	−2
1	2.9	720	0
2	4.0	621	−11
3	3.4	668	−7
4	1.8	825	4
5	1.4	860	11
6	0.9	906	14
7	1.3	869	10
8	2.2	781	5
9	4.9	547	−21
10	6.8	409	−40

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/26/2006 (Day of Year 26)
NCEP/NCAR Reanalysis 1 Data Set

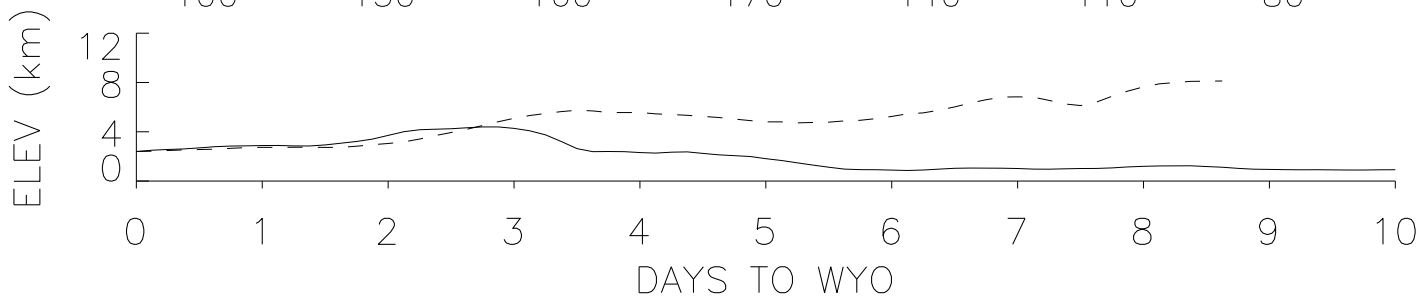


00UT

Day	km	hPa	C
0	2.4	760	2
1	2.9	724	2
2	3.7	647	−6
3	4.3	593	−12
4	2.3	763	1
5	1.8	814	6
6	0.9	915	15
7	1.0	902	12
8	1.2	879	10
9	0.9	911	13
10	0.9	916	11

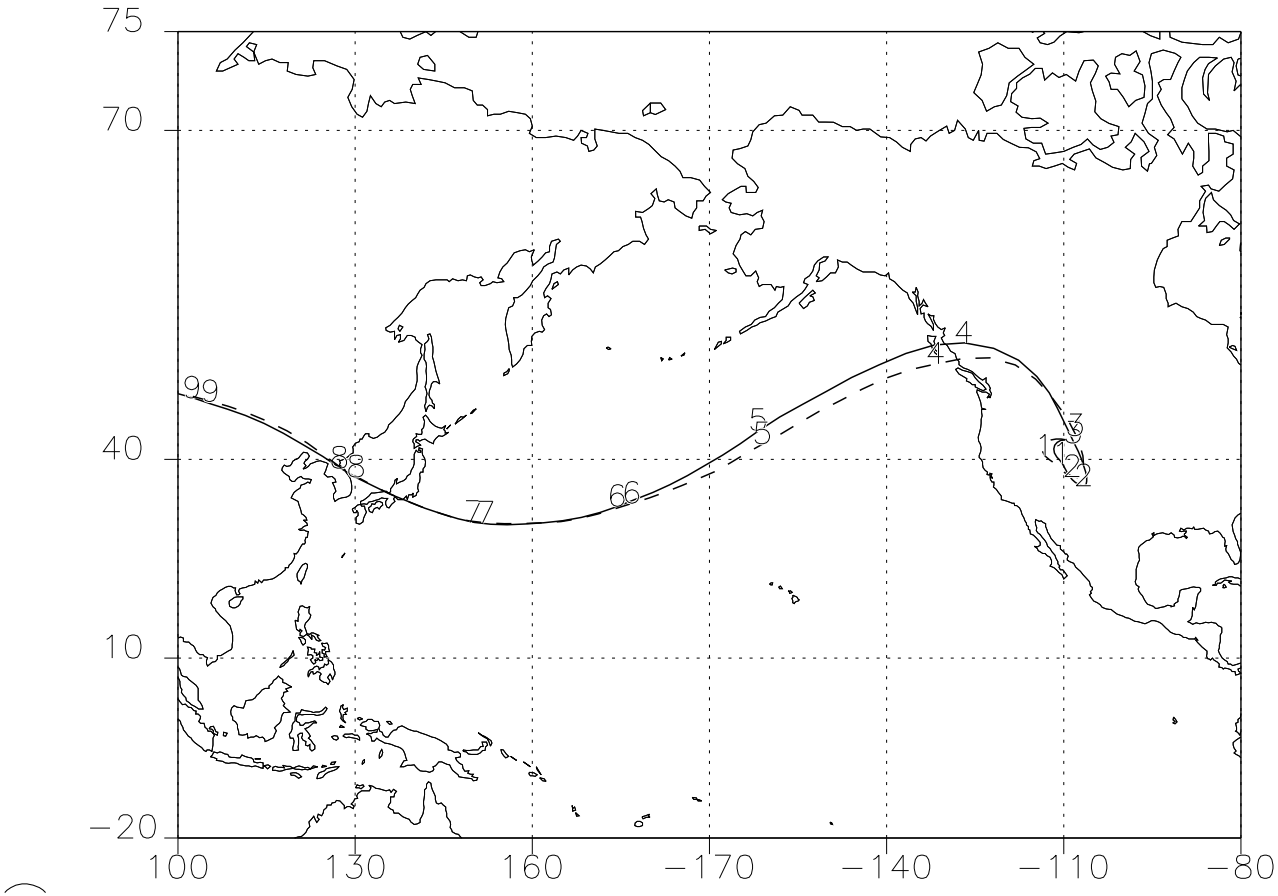
06UT

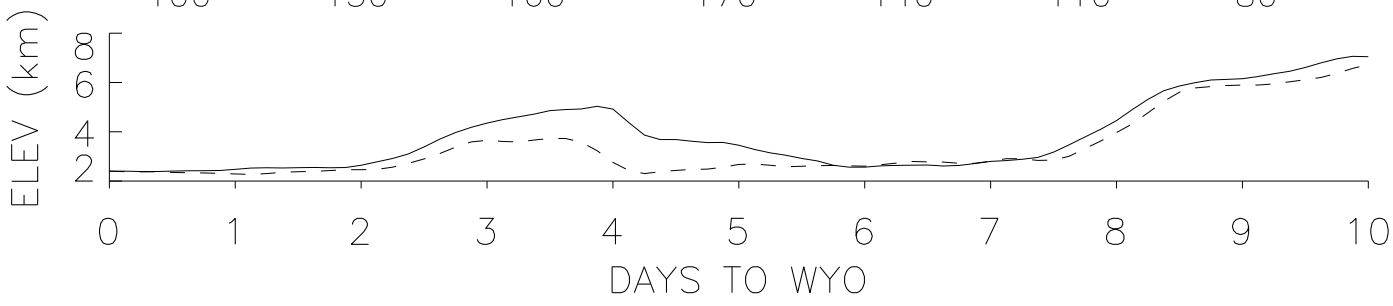
Day	km	hPa	C
0	2.4	756	−2
1	2.7	737	0
2	3.0	706	−1
3	5.1	538	−20
4	5.6	497	−24
5	4.8	543	−21
6	5.2	513	−26
7	6.8	401	−43
8	7.6	359	−47



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/26/2006 (Day of Year 26)
NCEP/NCAR Reanalysis 1 Data Set





12UT

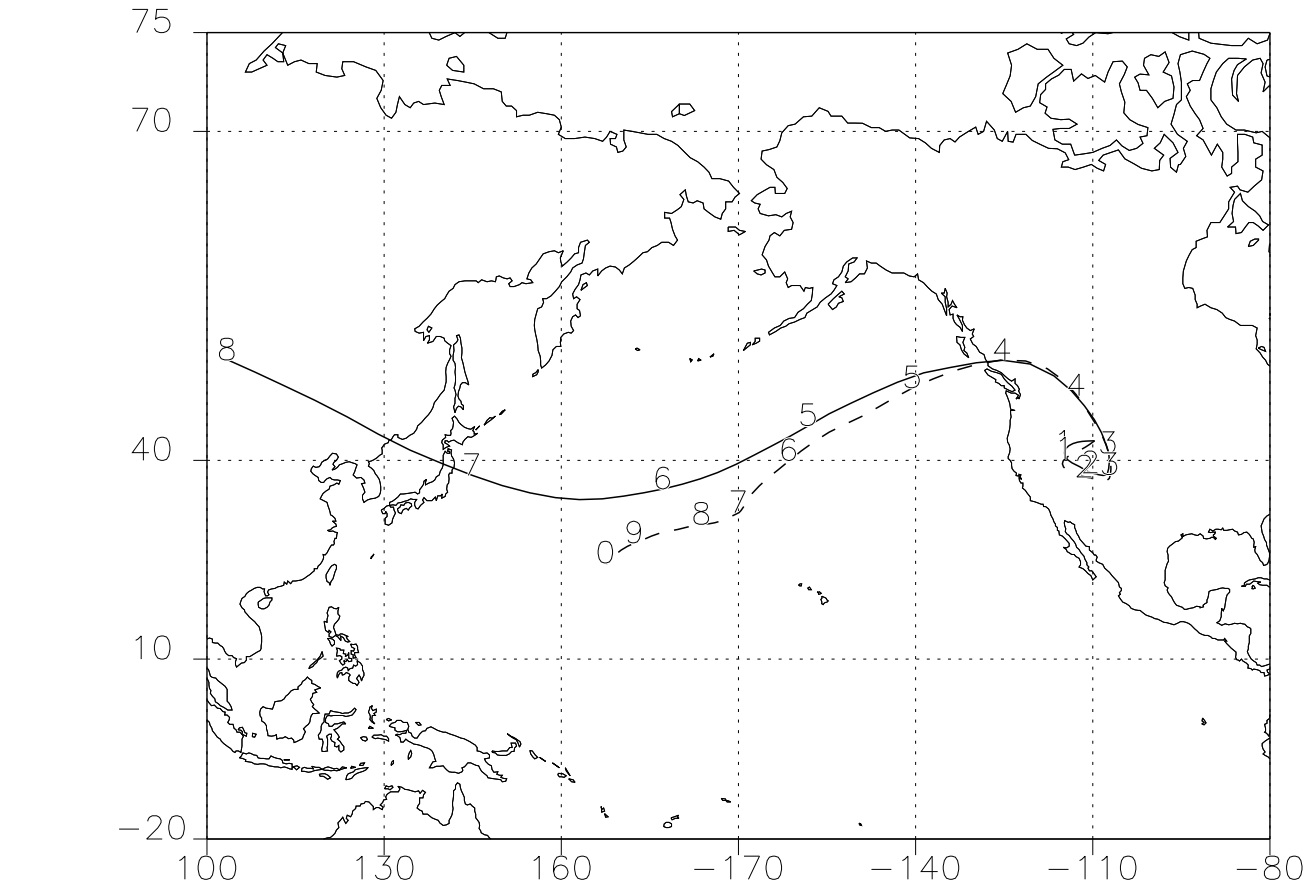
Day	km	hPa	C
0	2.4	755	−2
1	2.5	758	−2
2	2.6	744	−2
3	4.4	591	−13
4	4.9	542	−18
5	3.5	658	−8
6	2.6	739	−1
7	2.8	718	−4
8	4.5	576	−22
9	6.2	450	−38
10	7.0	392	−46

18UT

Day	km	hPa	C
0	2.4	756	−4
1	2.3	774	−2
2	2.5	763	−1
3	3.7	649	−8
4	2.8	722	−3
5	2.7	730	−5
6	2.6	735	−2
7	2.8	717	−5
8	4.0	616	−18
9	5.9	468	−36
10	6.7	412	−44

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/27/2006 (Day of Year 27)
NCEP/NCAR Reanalysis 1 Data Set

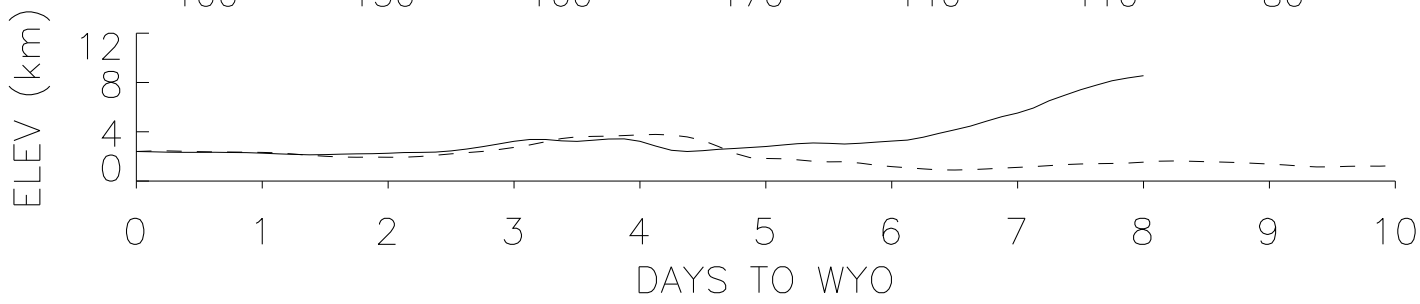


00UT

Day	km	hPa	C
0	2.4	757	−3
1	2.3	771	1
2	2.3	780	4
3	3.2	688	−4
4	3.2	682	−7
5	2.8	713	−7
6	3.2	675	−10
7	5.5	488	−28
8	8.6	312	−56

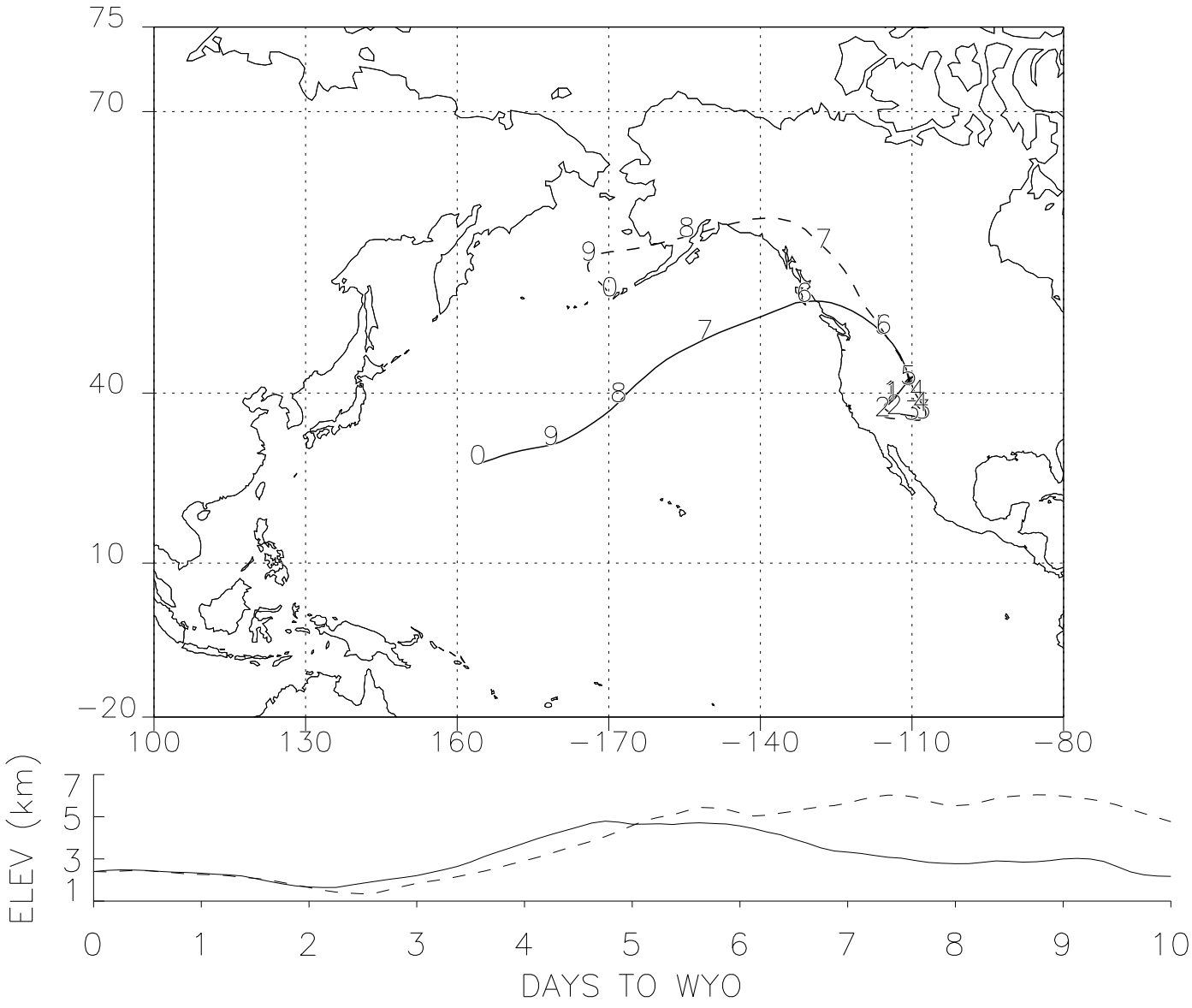
06UT

Day	km	hPa	C
0	2.4	756	−6
1	2.3	765	−3
2	1.9	813	−1
3	2.7	736	−2
4	3.8	638	−9
5	1.8	812	2
6	1.2	883	9
7	1.1	895	11
8	1.5	846	6
9	1.4	857	8
10	1.2	876	11



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/27/2006 (Day of Year 27)
NCEP/NCAR Reanalysis 1 Data Set



12UT

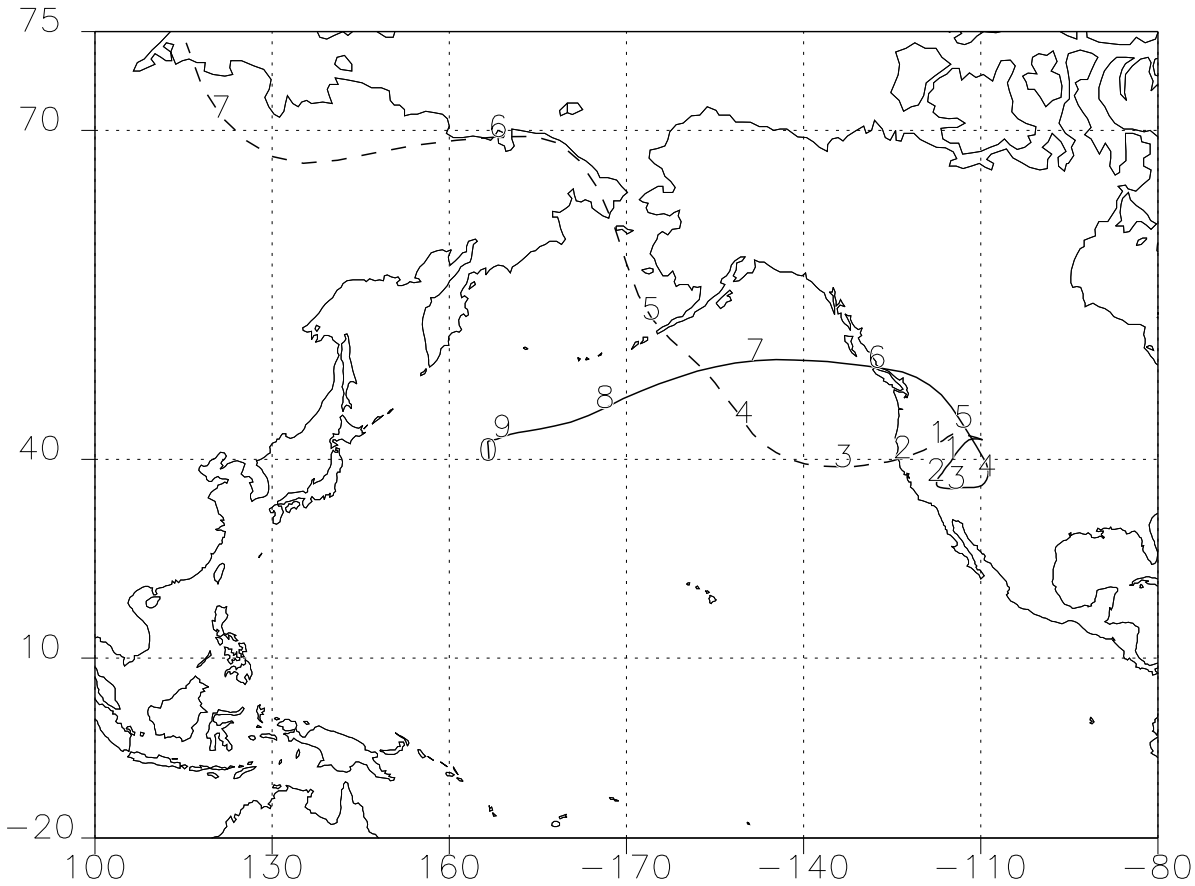
Day	km	hPa	C
0	2.4	757	−7
1	2.3	766	−3
2	1.7	835	3
3	2.2	786	−4
4	3.8	641	−11
5	4.6	566	−17
6	4.6	564	−20
7	3.3	669	−9
8	2.8	722	−2
9	3.0	702	0
10	2.2	781	4

18UT

Day	km	hPa	C
0	2.4	756	−7
1	2.3	773	−3
2	1.6	836	4
3	1.8	822	1
4	2.9	716	−5
5	4.6	574	−18
6	5.2	520	−27
7	5.7	477	−34
8	5.5	483	−33
9	6.0	456	−35
10	4.8	541	−22

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/28/2006 (Day of Year 28)
NCEP/NCAR Reanalysis 1 Data Set

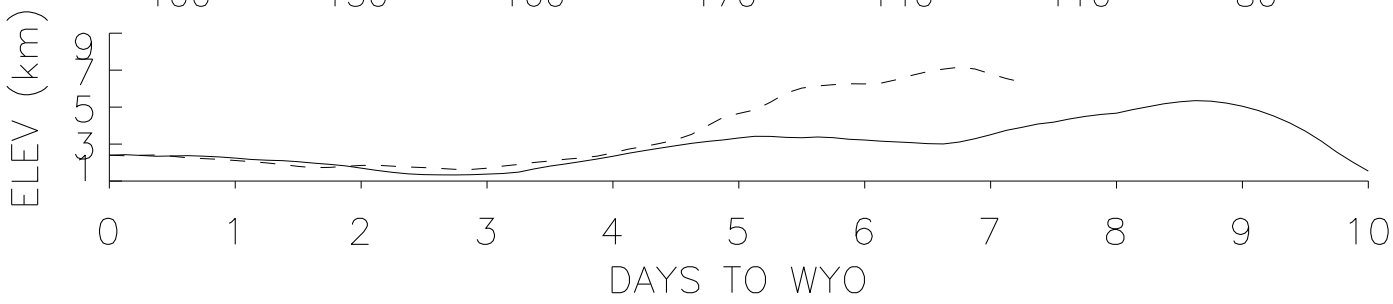


00UT

Day	km	hPa	C
0	2.4	755	−6
1	2.2	774	−2
2	1.7	828	6
3	1.4	866	9
4	2.3	771	−1
5	3.3	677	−11
6	3.2	681	−10
7	3.5	645	−14
8	4.7	547	−24
9	5.0	511	−30
10	1.5	819	1

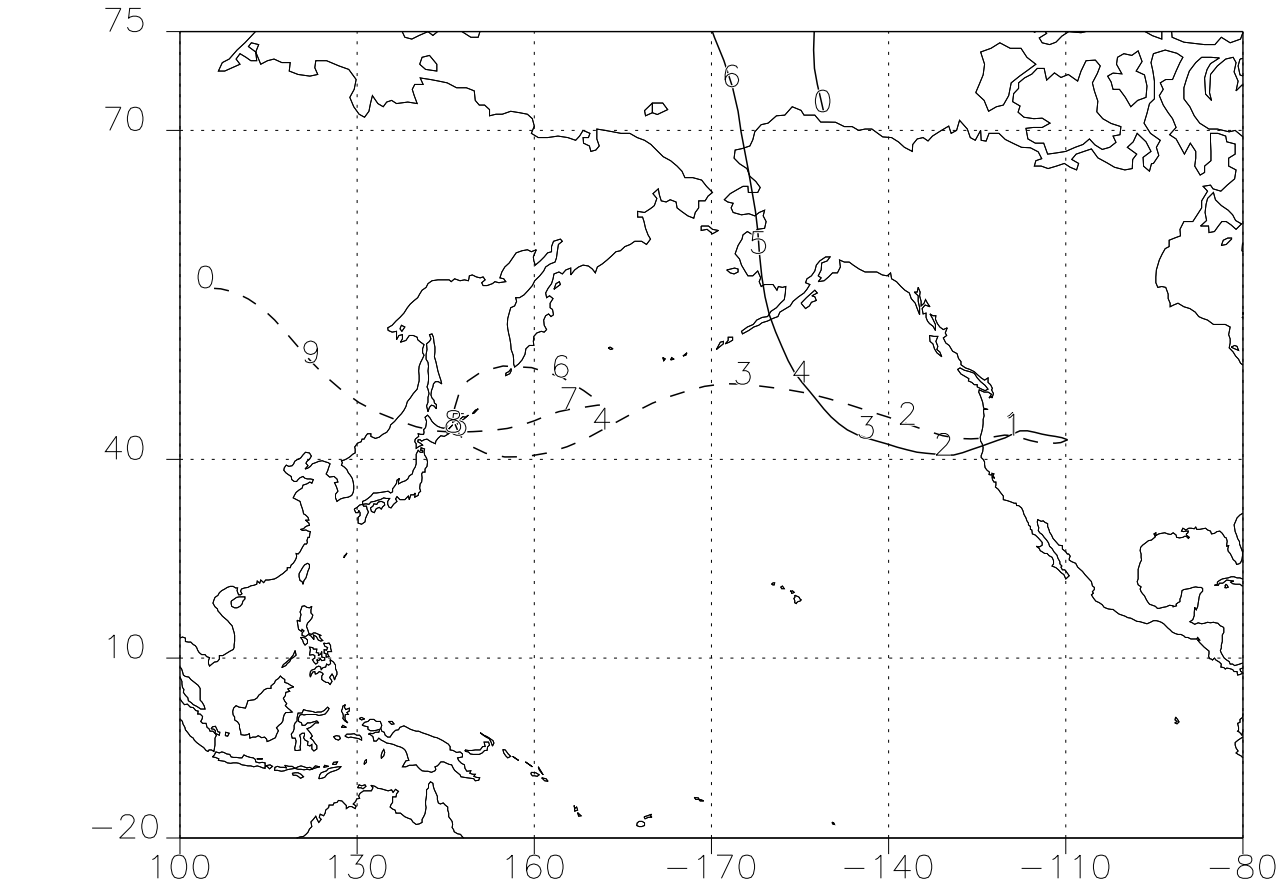
06UT

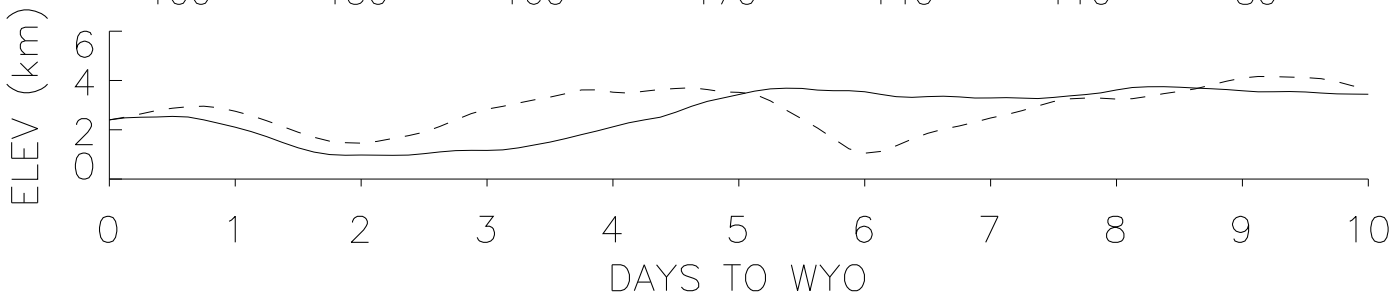
Day	km	hPa	C
0	2.4	757	−10
1	2.1	784	−6
2	1.8	812	−3
3	1.7	825	−2
4	2.5	737	−11
5	4.7	549	−31
6	6.3	420	−48
7	6.8	393	−49



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/28/2006 (Day of Year 28)
NCEP/NCAR Reanalysis 1 Data Set





12UT

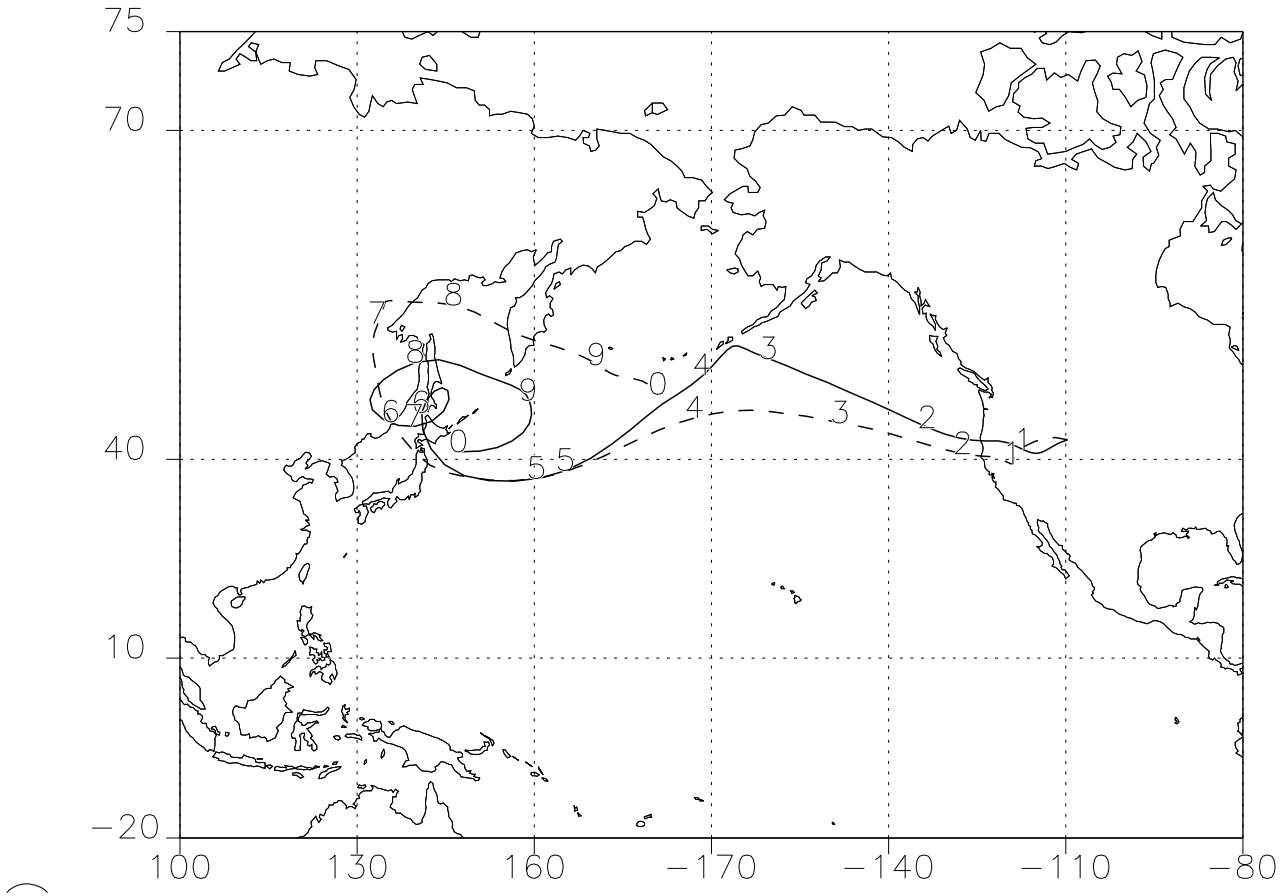
Day	km	hPa	C
0	2.4	758	−11
1	2.1	784	−7
2	1.0	907	1
3	1.2	884	−5
4	2.1	779	−13
5	3.4	646	−26
6	3.5	620	−29
7	3.3	647	−26
8	3.6	621	−29
9	3.6	624	−28
10	3.4	638	−22

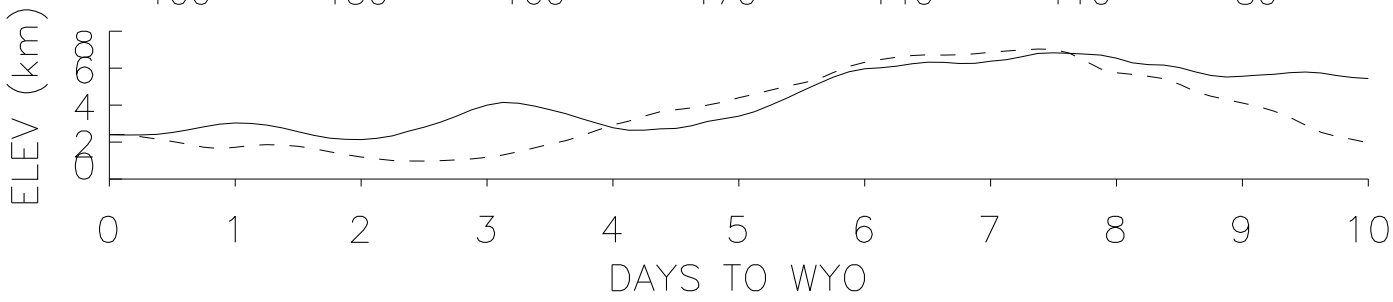
18UT

Day	km	hPa	C
0	2.4	756	−9
1	2.8	723	−12
2	1.5	846	0
3	2.8	700	−15
4	3.5	632	−22
5	3.5	625	−26
6	1.0	878	−6
7	2.5	736	−20
8	3.2	654	−29
9	4.1	586	−37
10	3.7	626	−32

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/29/2006 (Day of Year 29)
NCEP/NCAR Reanalysis 1 Data Set





00UT

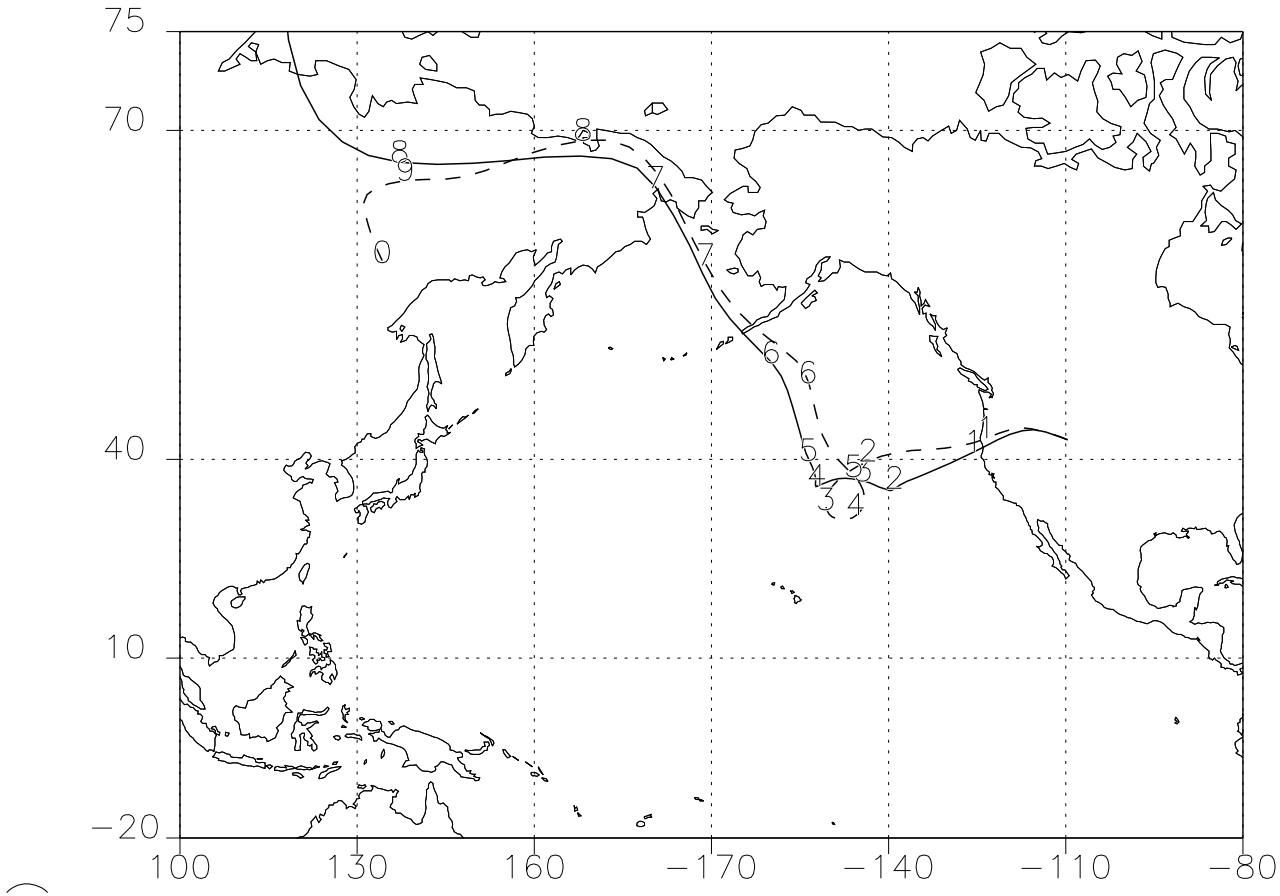
Day	km	hPa	C
0	2.4	753	−6
1	3.0	699	−12
2	2.1	776	−6
3	4.0	595	−22
4	2.8	700	−9
5	3.4	643	−18
6	6.0	436	−47
7	6.4	408	−49
8	6.5	398	−52
9	5.6	465	−43
10	5.4	476	−39

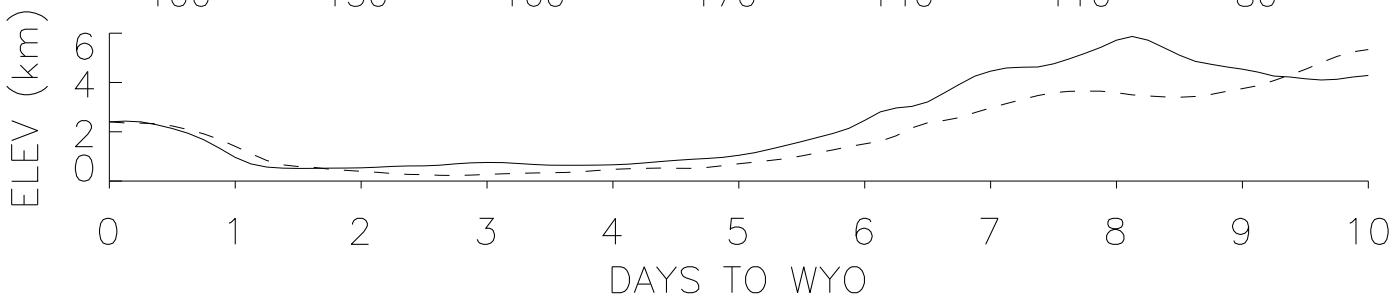
06UT

Day	km	hPa	C
0	2.4	753	−7
1	1.7	830	−3
2	1.2	882	2
3	1.2	879	2
4	2.9	696	−14
5	4.4	565	−27
6	6.3	424	−47
7	6.9	394	−51
8	5.7	463	−37
9	4.1	584	−23
10	2.0	773	−3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/29/2006 (Day of Year 29)
NCEP/NCAR Reanalysis 1 Data Set





12UT

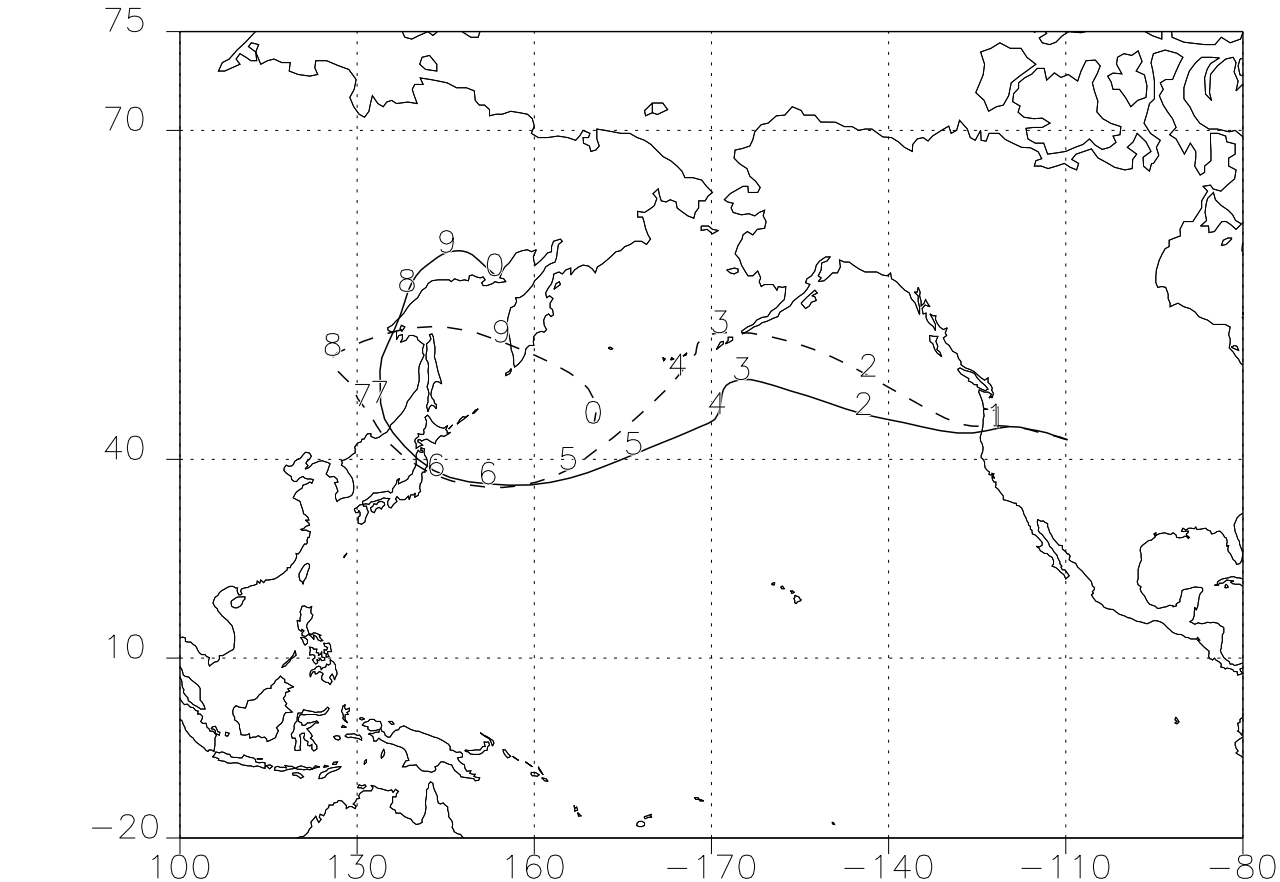
Day	km	hPa	C
0	2.4	754	−8
1	1.0	904	5
2	0.5	965	11
3	0.8	939	7
4	0.7	949	6
5	1.0	904	−1
6	2.5	746	−18
7	4.5	552	−35
8	5.7	461	−46
9	4.5	552	−30
10	4.3	567	−30

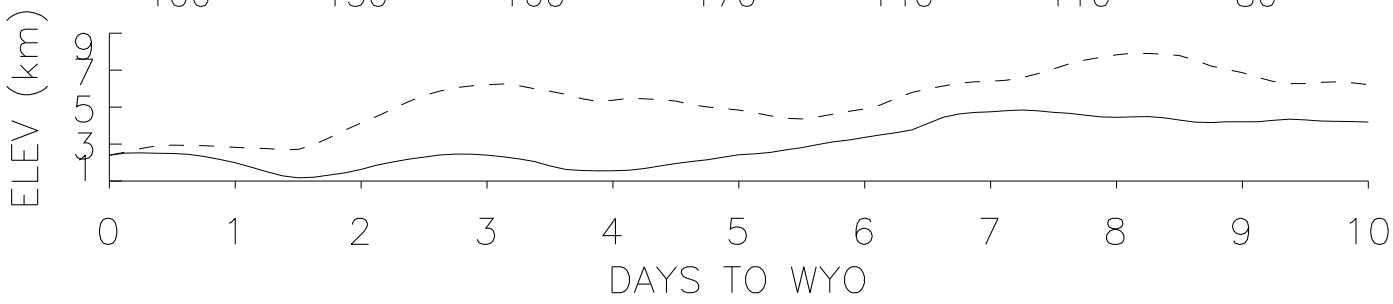
18UT

Day	km	hPa	C
0	2.4	757	−9
1	1.4	854	−1
2	0.4	973	11
3	0.3	999	14
4	0.5	972	10
5	0.7	939	3
6	1.5	842	−12
7	3.0	685	−26
8	3.6	624	−30
9	3.8	616	−29
10	5.3	484	−46

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/30/2006 (Day of Year 30)
NCEP/NCAR Reanalysis 1 Data Set





00UT

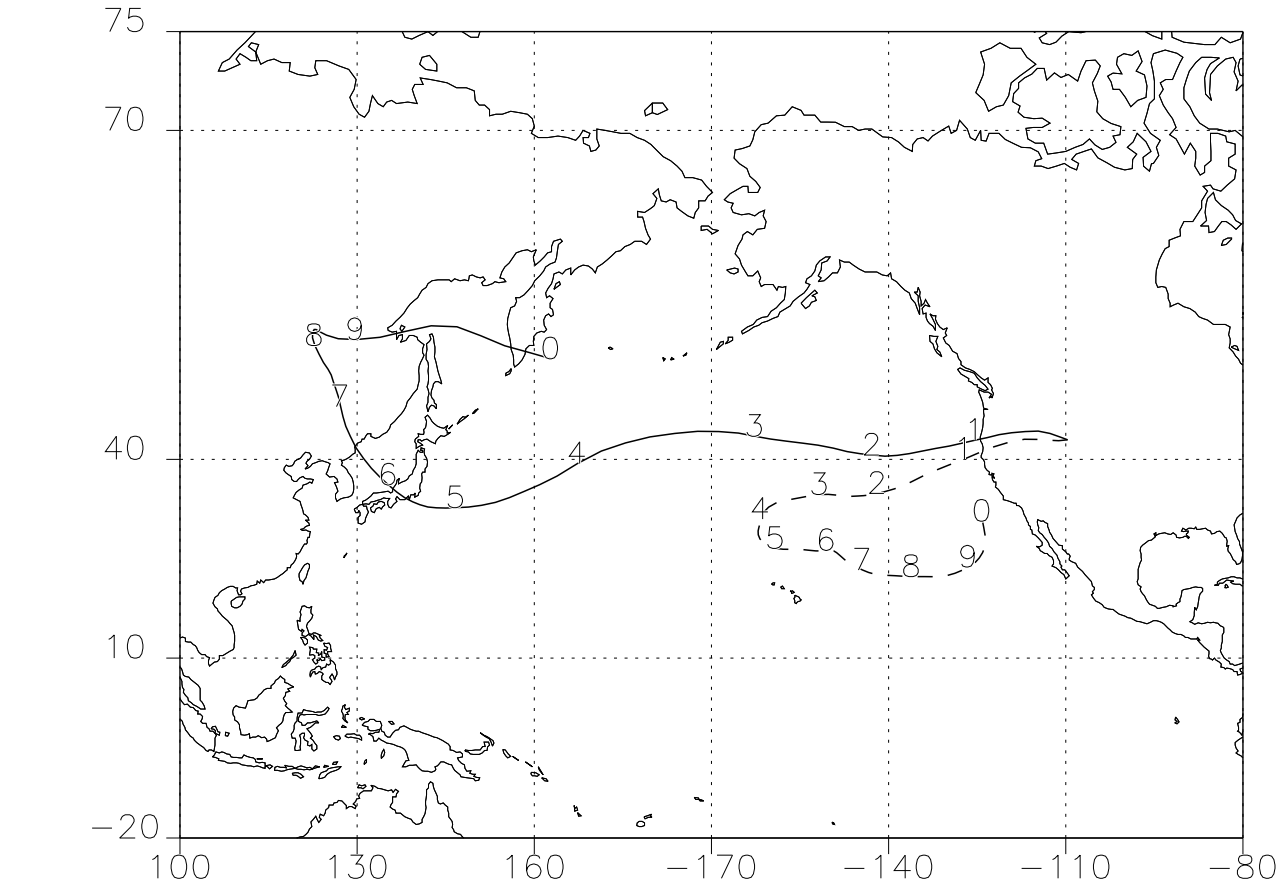
Day	km	hPa	C
0	2.4	757	−7
1	2.0	793	−5
2	1.6	820	−4
3	2.4	737	−12
4	1.6	832	−2
5	2.4	746	−10
6	3.4	651	−21
7	4.7	534	−33
8	4.4	561	−31
9	4.2	580	−28
10	4.2	580	−29

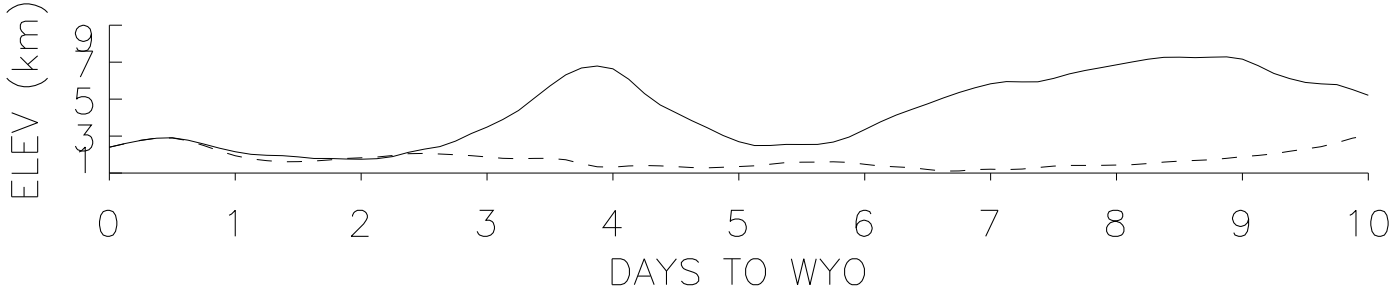
06UT

Day	km	hPa	C
0	2.4	758	−8
1	2.8	714	−11
2	4.1	585	−22
3	6.2	434	−42
4	5.4	492	−35
5	4.8	535	−28
6	4.9	528	−33
7	6.4	421	−48
8	7.8	339	−59
9	6.9	388	−48
10	6.2	432	−42

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/30/2006 (Day of Year 30)
NCEP/NCAR Reanalysis 1 Data Set





12UT

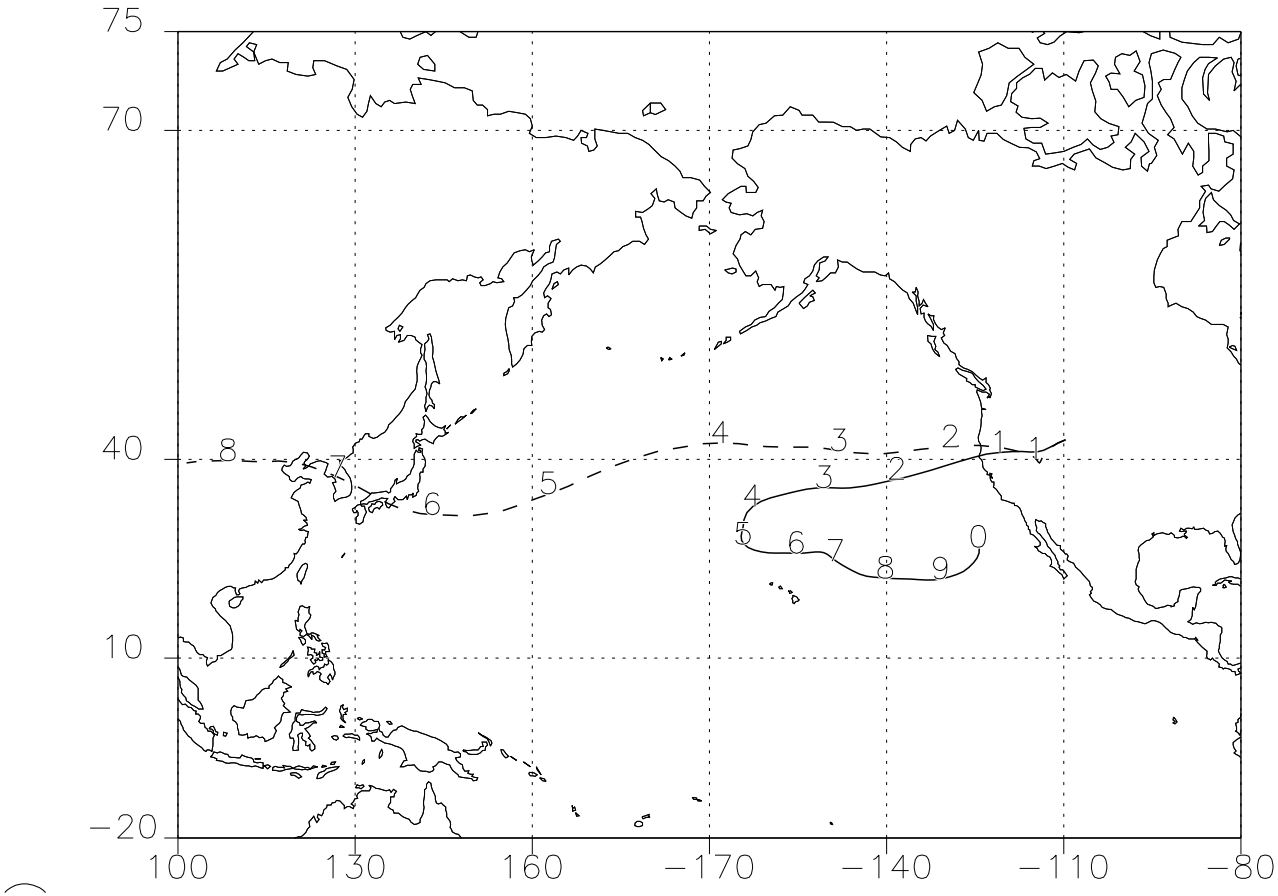
Day	km	hPa	C
0	2.4	759	−4
1	2.2	781	0
2	1.7	824	5
3	3.5	658	−8
4	6.6	416	−40
5	2.7	725	−10
6	3.4	667	−16
7	5.8	464	−41
8	6.9	396	−50
9	7.2	374	−54
10	5.2	497	−35

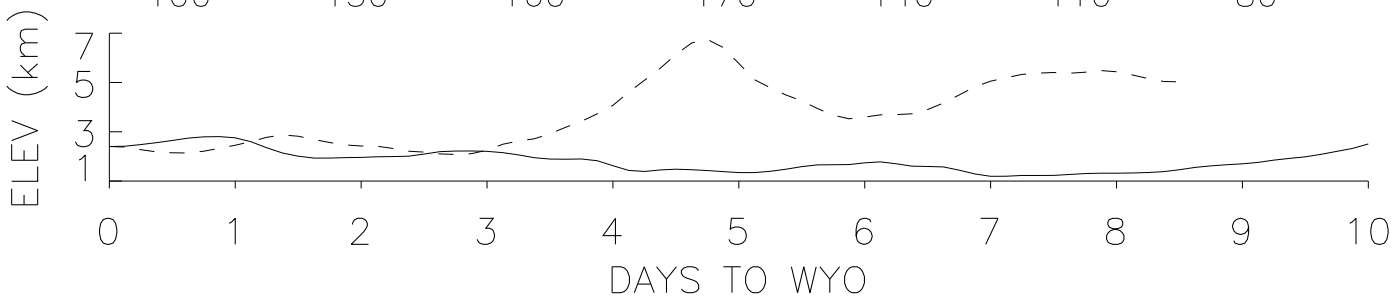
18UT

Day	km	hPa	C
0	2.4	758	−1
1	1.9	807	5
2	1.8	823	6
3	1.9	820	7
4	1.3	876	13
5	1.4	871	13
6	1.5	857	11
7	1.2	884	14
8	1.4	862	12
9	1.9	818	10
10	3.0	707	−3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/31/2006 (Day of Year 31)
NCEP/NCAR Reanalysis 1 Data Set





00UT

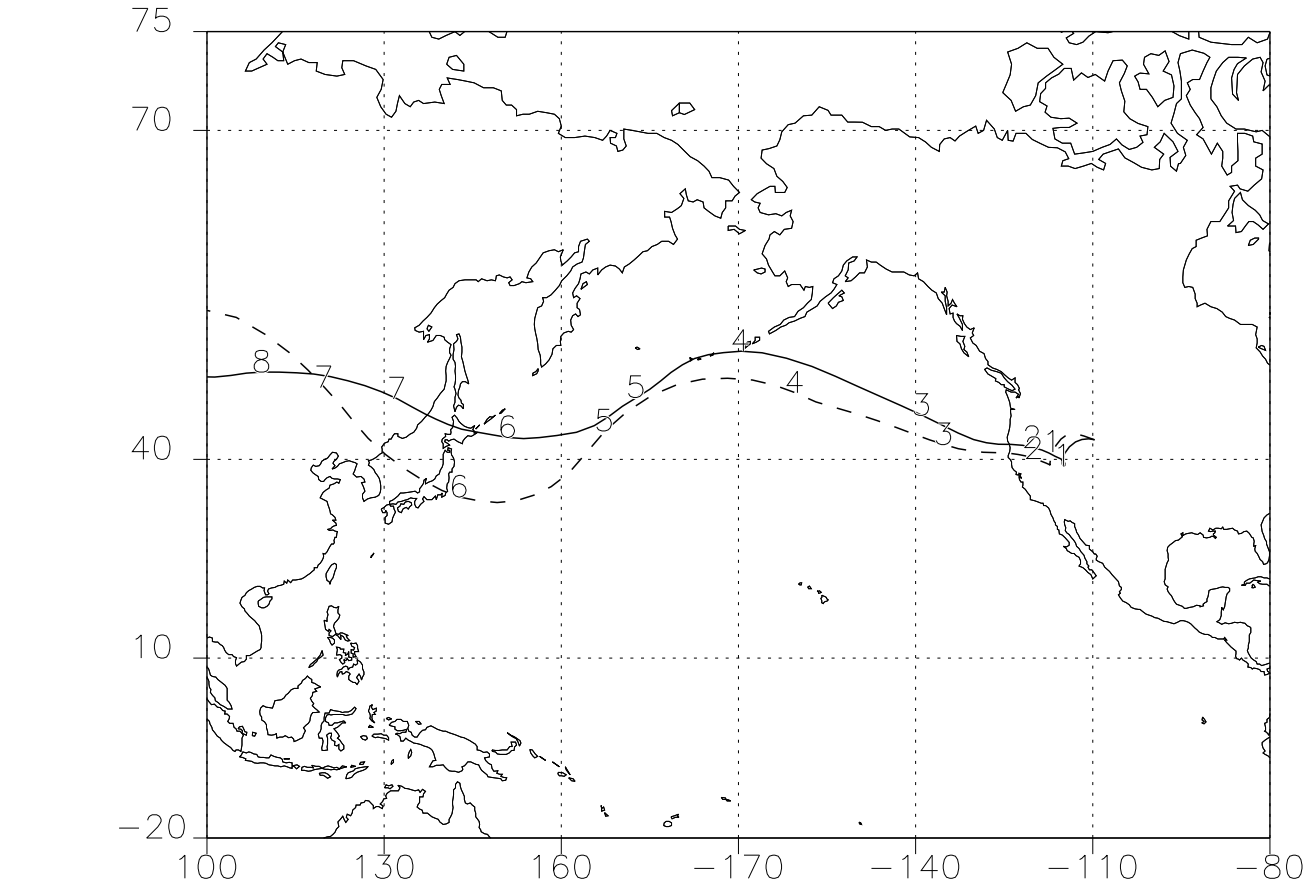
Day	km	hPa	C
0	2.4	755	0
1	2.8	728	−1
2	2.0	808	6
3	2.2	787	6
4	1.6	843	11
5	1.3	871	13
6	1.7	830	11
7	1.2	884	15
8	1.3	871	11
9	1.7	833	11
10	2.5	754	3

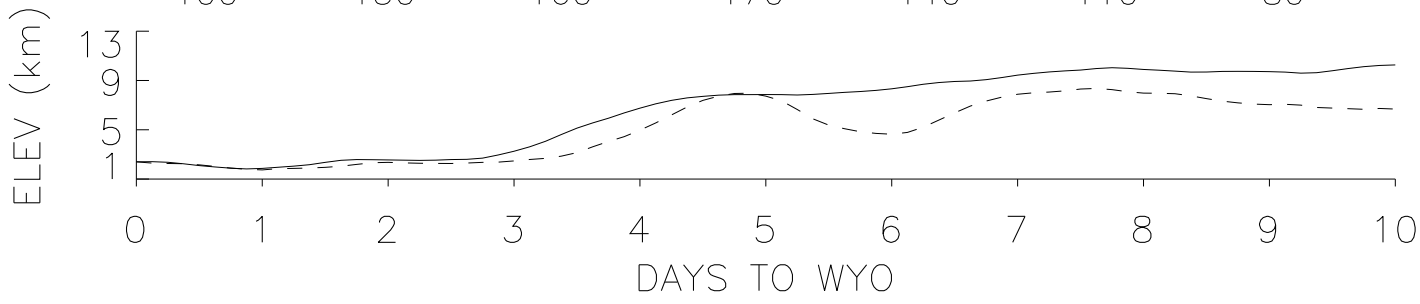
06UT

Day	km	hPa	C
0	2.4	753	0
1	2.5	757	−2
2	2.4	755	−1
3	2.3	774	2
4	4.1	609	−13
5	5.8	477	−26
6	3.6	648	−11
7	5.1	532	−25
8	5.4	507	−27

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO WYO(42.50N, 109.70W)
1/31/2006 (Day of Year 31)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	2.4	753	−2
1	1.9	815	4
2	2.6	744	−5
3	3.3	670	−10
4	6.8	404	−45
5	7.9	336	−53
6	8.3	311	−55
7	9.4	264	−61
8	9.9	249	−63
9	9.7	255	−61
10	10.3	233	−67

18UT

Day	km	hPa	C
0	2.4	756	−5
1	1.7	823	2
2	2.4	767	−1
3	2.5	750	−1
4	5.0	533	−24
5	7.7	348	−52
6	4.6	556	−23
7	7.9	342	−53
8	8.0	332	−54
9	7.0	393	−42
10	6.7	418	−39

12UT − solid
18UT − dashed