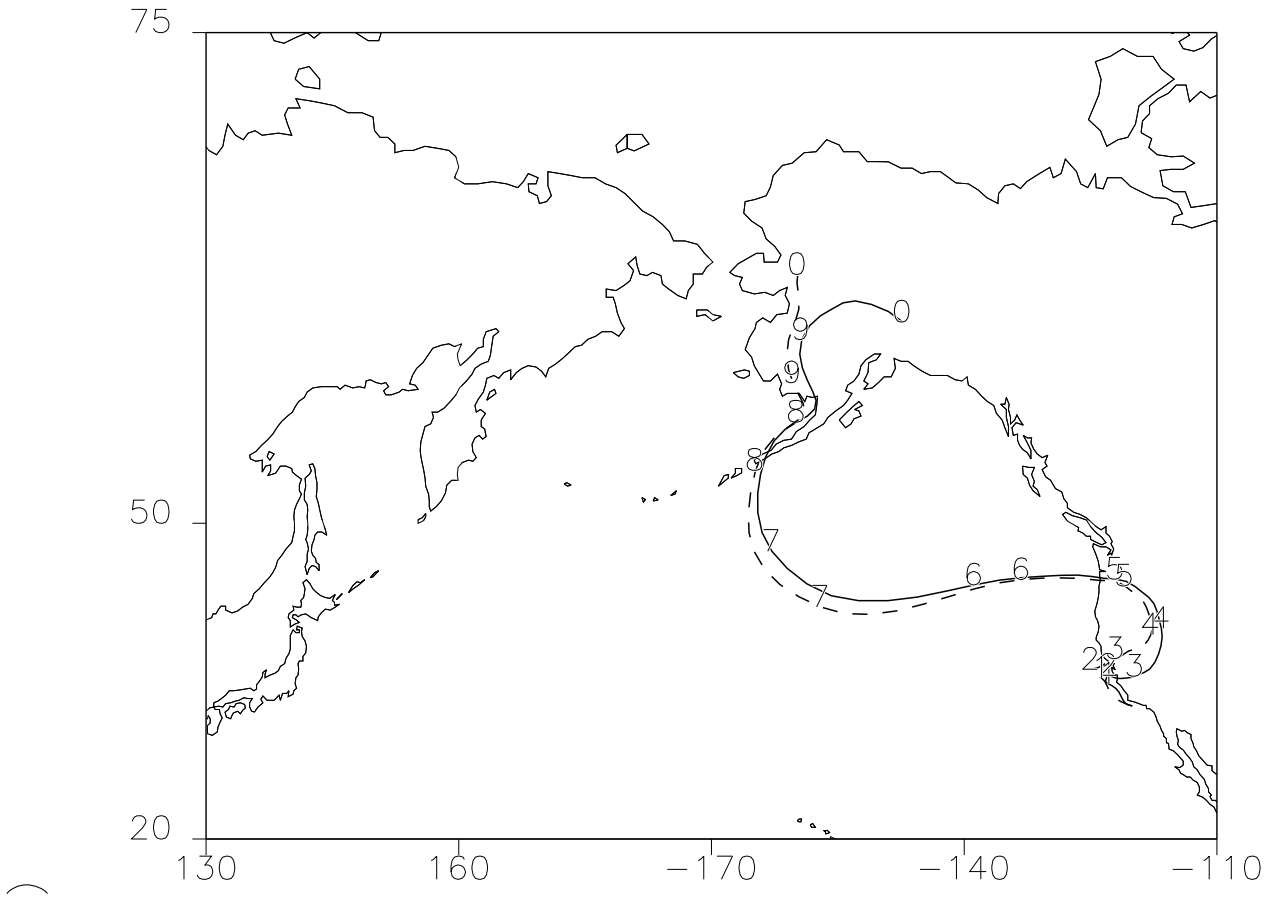
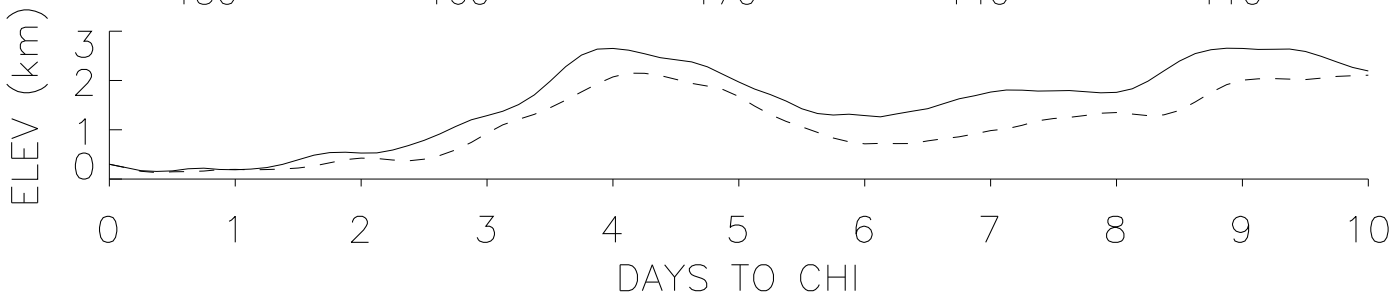
3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/1/2003 (Day of Year 91)
NCEP/NCAR Reanalysis 1 Data Set





00UT

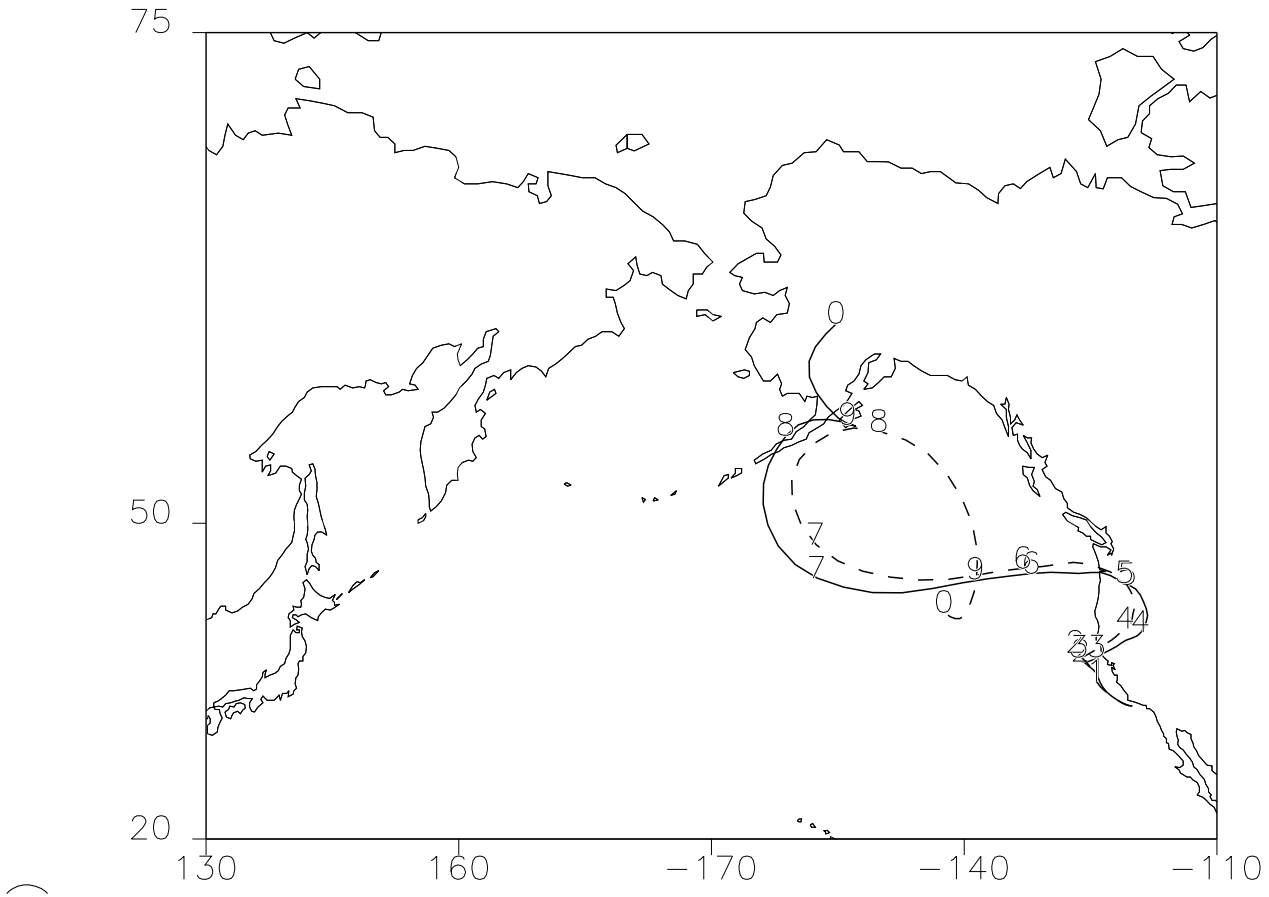
Day	km	hPa	C
0	0.3	978	19
1	0.2	1000	20
2	0.5	964	18
3	1.3	877	12
4	2.7	737	−8
5	2.0	800	−6
6	1.3	861	−4
7	1.8	800	−10
8	1.8	798	−13
9	2.7	709	−20
10	2.2	753	−14

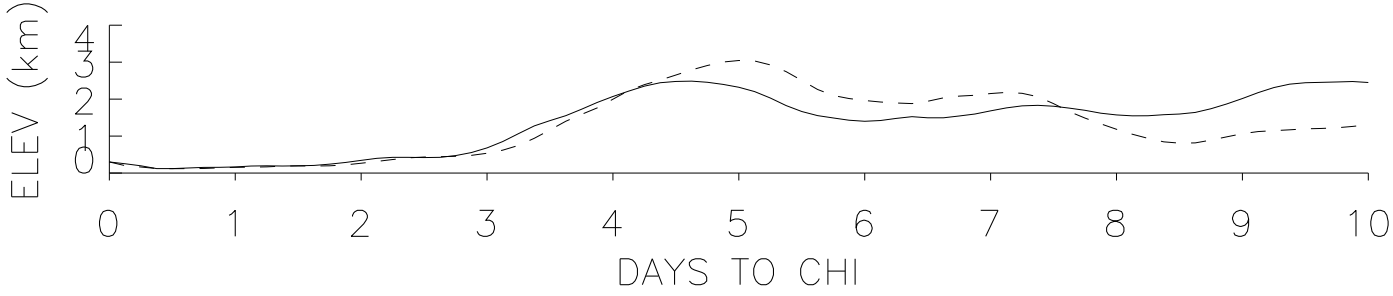
06UT

Day	km	hPa	C
0	0.3	978	14
1	0.2	998	15
2	0.4	977	15
3	0.9	918	12
4	2.1	795	−4
5	1.7	834	−5
6	0.7	928	0
7	1.0	892	−3
8	1.3	841	−9
9	2.0	774	−17
10	2.1	764	−16

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/1/2003 (Day of Year 91)
NCEP/NCAR Reanalysis 1 Data Set





12UT

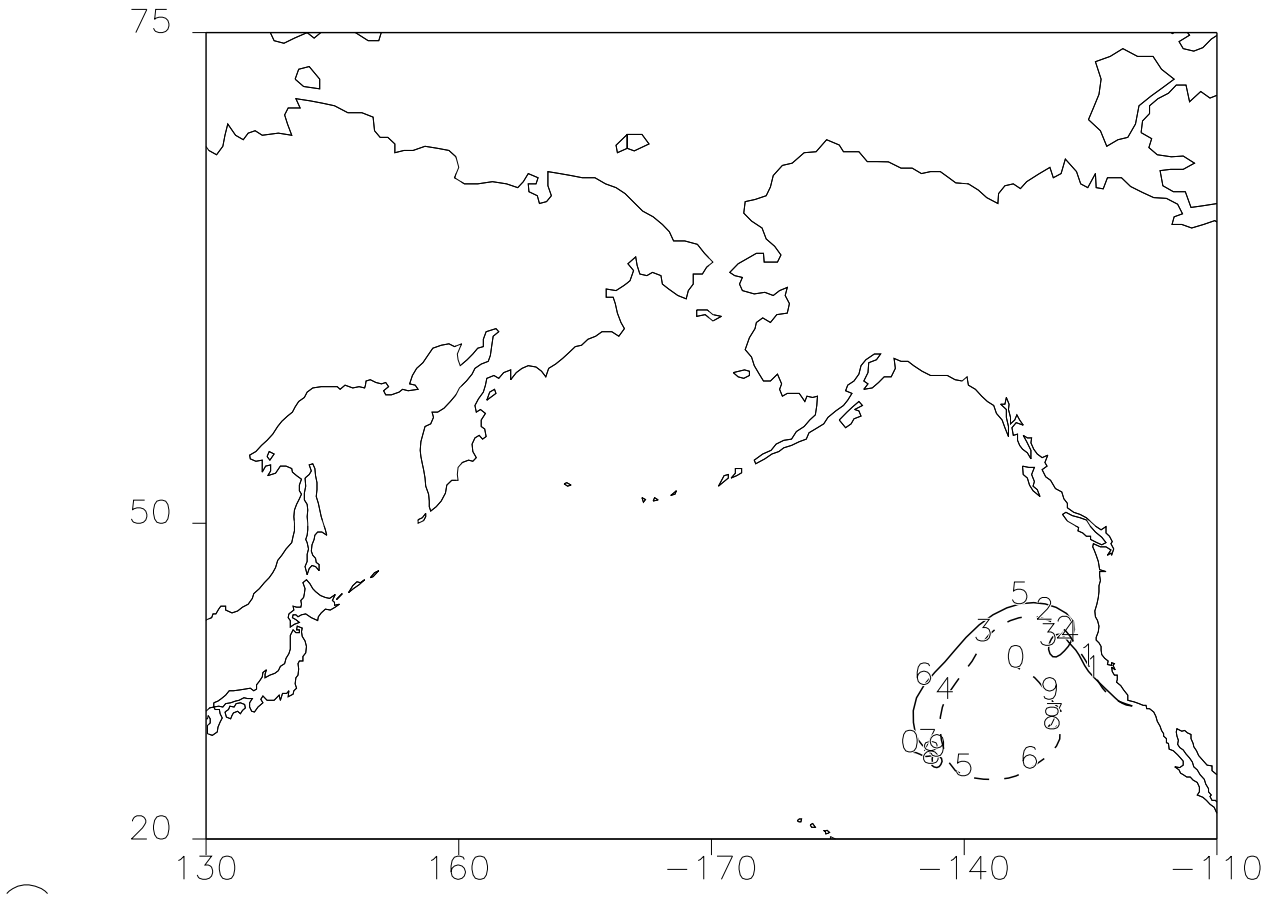
Day	km	hPa	C
0	0.3	976	14
1	0.2	999	15
2	0.3	985	15
3	0.7	946	13
4	2.1	797	−4
5	2.3	768	−9
6	1.4	853	−5
7	1.7	812	−8
8	1.6	817	−12
9	2.0	772	−16
10	2.4	727	−19

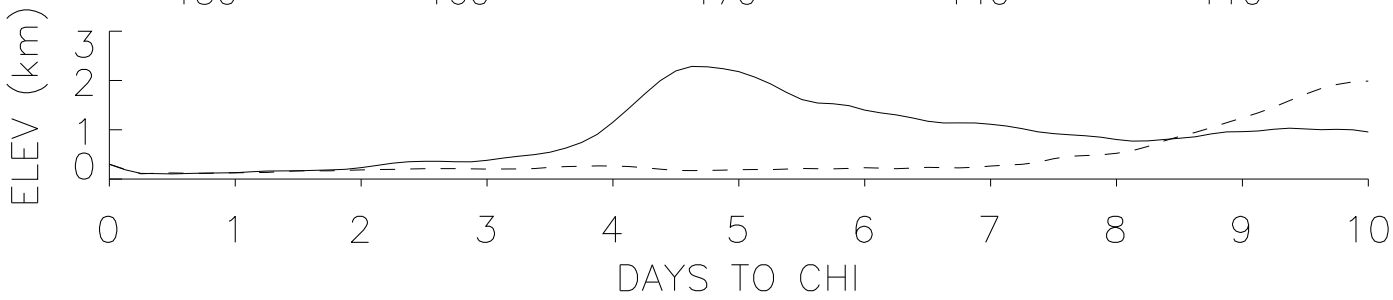
18UT

Day	km	hPa	C
0	0.3	977	14
1	0.2	1000	14
2	0.3	994	14
3	0.5	964	14
4	2.0	806	2
5	3.0	701	−14
6	2.0	796	−7
7	2.2	763	−9
8	1.2	858	−2
9	1.1	895	−3
10	1.3	869	−3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/2/2003 (Day of Year 92)
NCEP/NCAR Reanalysis 1 Data Set





00UT

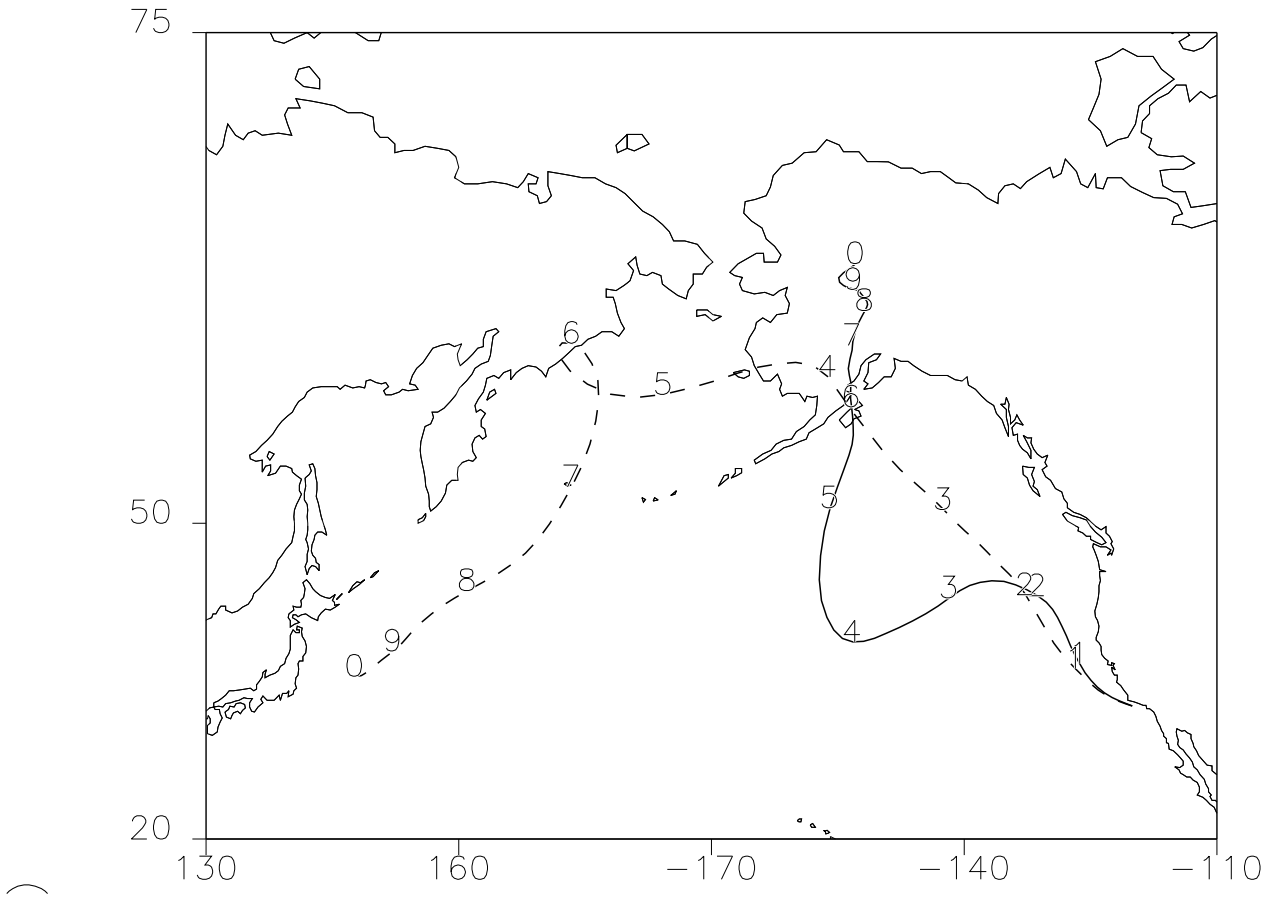
Day	km	hPa	C
0	0.3	976	12
1	0.1	1000	14
2	0.2	996	13
3	0.4	982	13
4	1.2	896	12
5	2.2	788	4
6	1.4	867	11
7	1.1	900	14
8	0.8	931	14
9	1.0	914	14
10	1.0	915	14

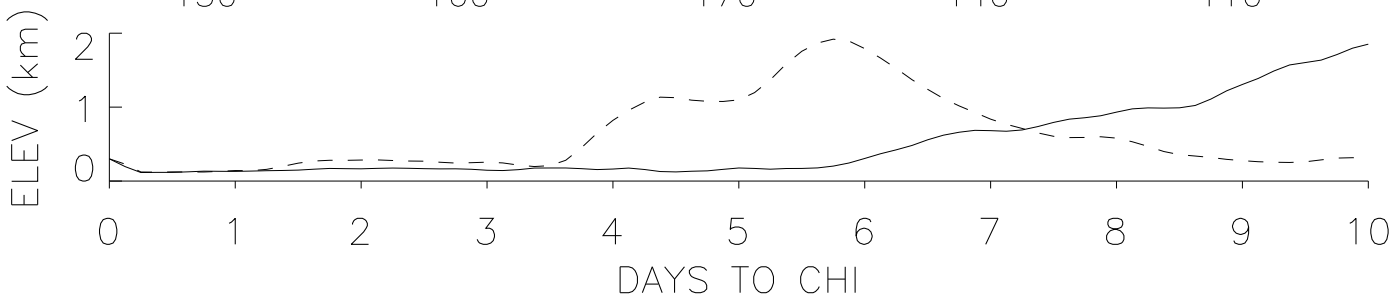
06UT

Day	km	hPa	C
0	0.3	977	10
1	0.1	1000	10
2	0.2	1000	10
3	0.2	1000	11
4	0.3	987	15
5	0.2	1000	18
6	0.2	999	16
7	0.3	997	14
8	0.5	964	11
9	1.2	881	6
10	2.0	803	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/2/2003 (Day of Year 92)
NCEP/NCAR Reanalysis 1 Data Set





12UT

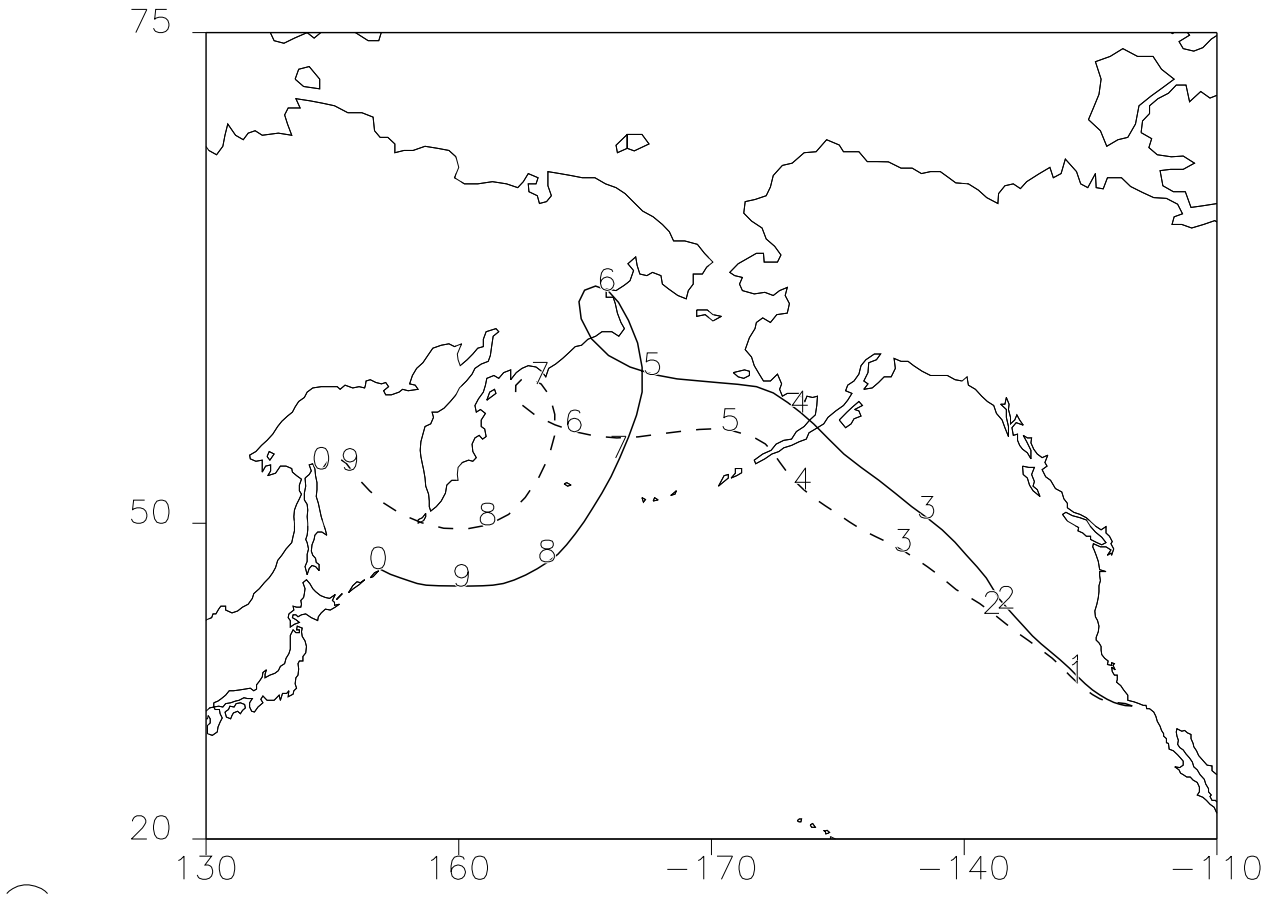
Day	km	hPa	C
0	0.3	977	9
1	0.1	1000	10
2	0.2	1000	8
3	0.1	1000	8
4	0.2	990	8
5	0.2	992	2
6	0.3	981	−3
7	0.7	930	−6
8	0.9	897	−10
9	1.3	853	−14
10	1.9	789	−16

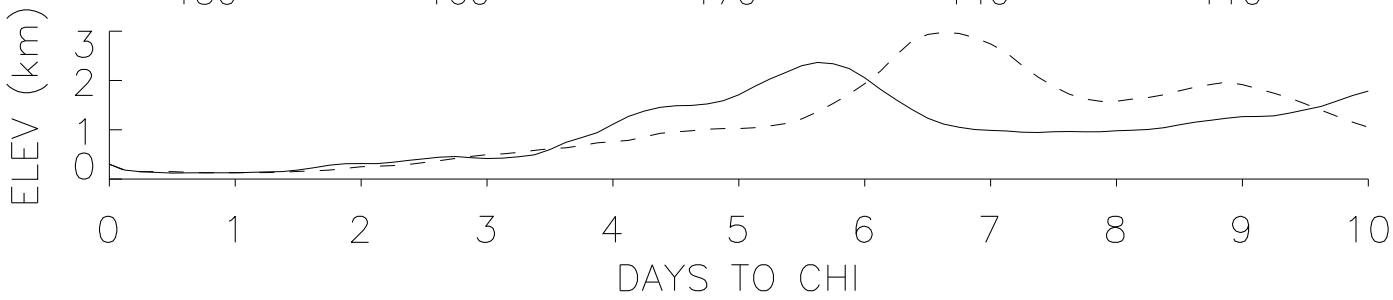
18UT

Day	km	hPa	C
0	0.3	981	10
1	0.1	1000	10
2	0.3	988	6
3	0.3	985	2
4	0.8	915	−8
5	1.1	882	−8
6	1.8	796	−15
7	0.8	909	−6
8	0.6	945	3
9	0.3	989	7
10	0.3	986	6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/3/2003 (Day of Year 93)
NCEP/NCAR Reanalysis 1 Data Set





00UT

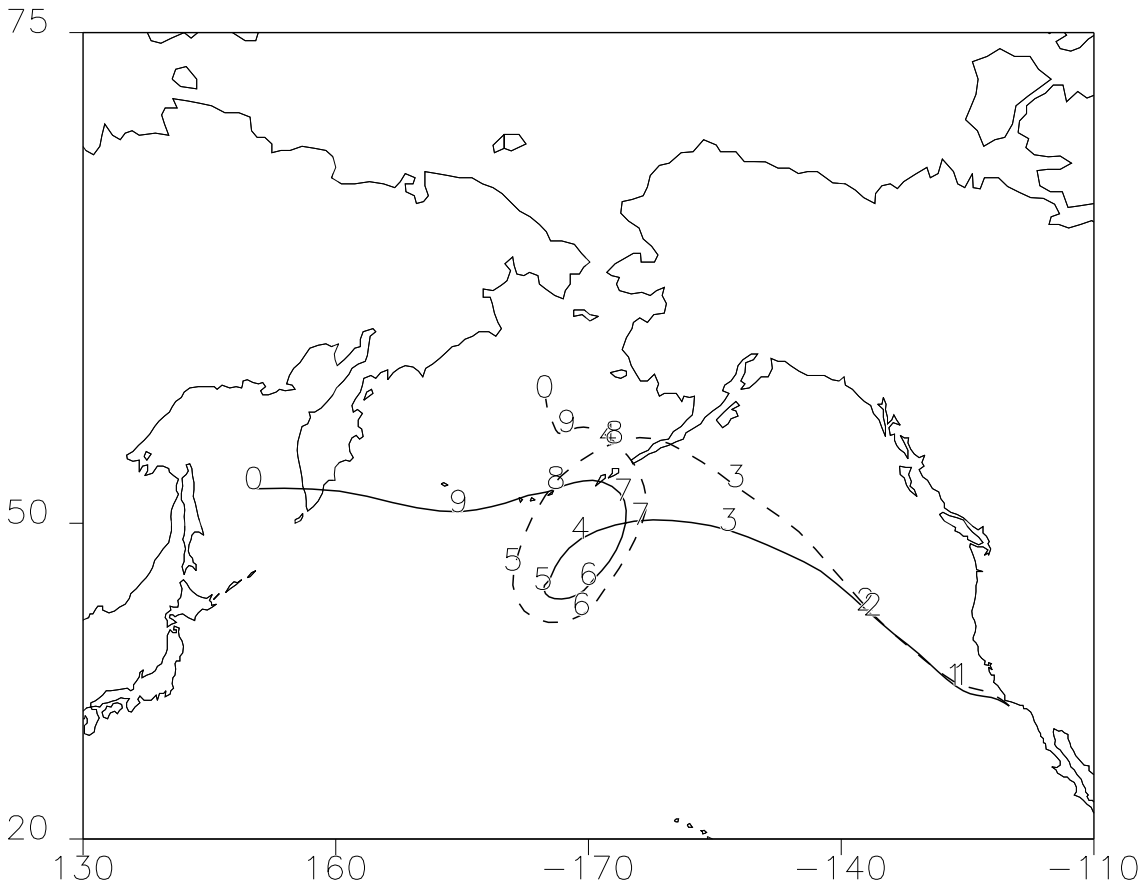
Day	km	hPa	C
0	0.3	981	11
1	0.1	1000	9
2	0.3	986	6
3	0.4	971	0
4	1.1	887	−8
5	1.7	817	−12
6	2.1	773	−17
7	1.0	897	−6
8	1.0	901	−4
9	1.3	869	−7
10	1.8	809	−11

06UT

Day	km	hPa	C
0	0.3	983	9
1	0.1	1000	10
2	0.2	994	6
3	0.5	972	0
4	0.8	933	−2
5	1.0	901	−5
6	1.9	793	−14
7	2.7	700	−22
8	1.6	821	−11
9	1.9	781	−18
10	1.0	879	−8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/3/2003 (Day of Year 93)
NCEP/NCAR Reanalysis 1 Data Set

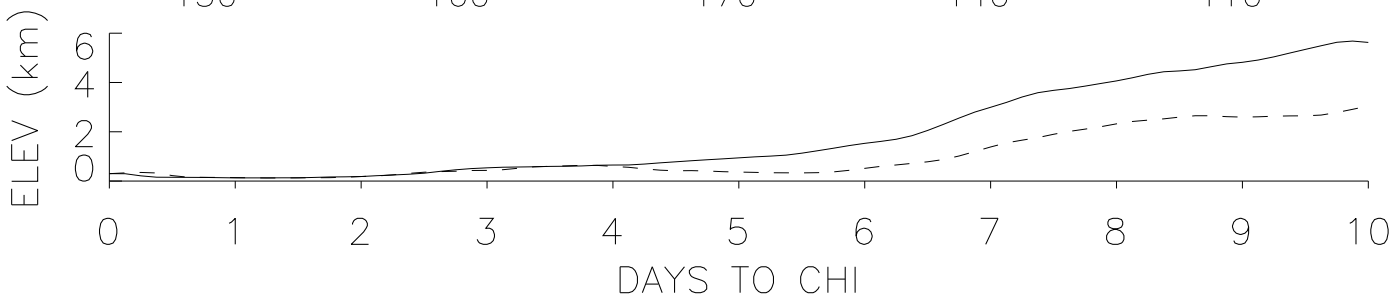


12UT

Day	km	hPa	C
0	0.3	983	9
1	0.1	1000	10
2	0.2	999	6
3	0.5	967	2
4	0.6	953	1
5	0.9	918	−2
6	1.5	847	−1
7	3.0	699	−17
8	4.1	600	−25
9	4.8	536	−31
10	5.6	471	−39

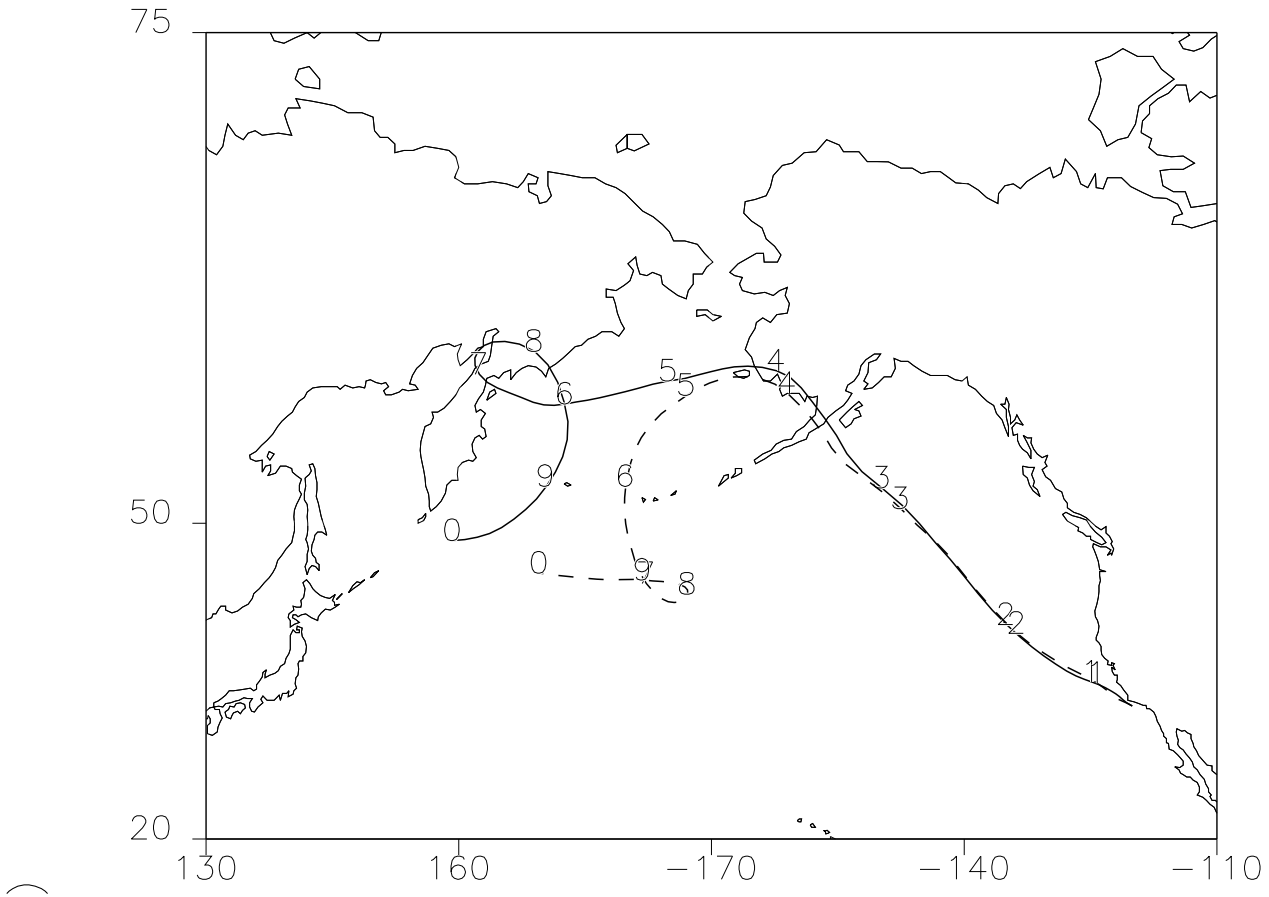
18UT

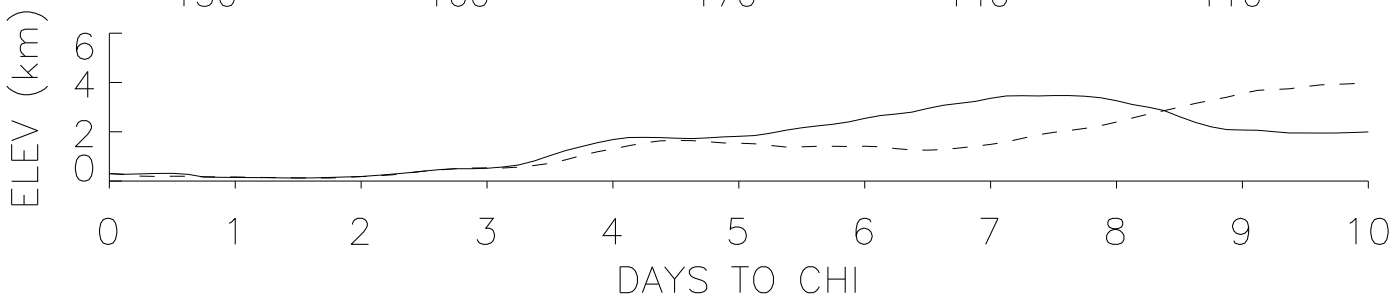
Day	km	hPa	C
0	0.3	986	10
1	0.1	1000	10
2	0.2	999	7
3	0.4	972	2
4	0.6	948	0
5	0.4	985	4
6	0.5	962	−1
7	1.4	861	−6
8	2.3	759	−15
9	2.6	728	−18
10	3.0	683	−23



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/4/2003 (Day of Year 94)
NCEP/NCAR Reanalysis 1 Data Set





00UT

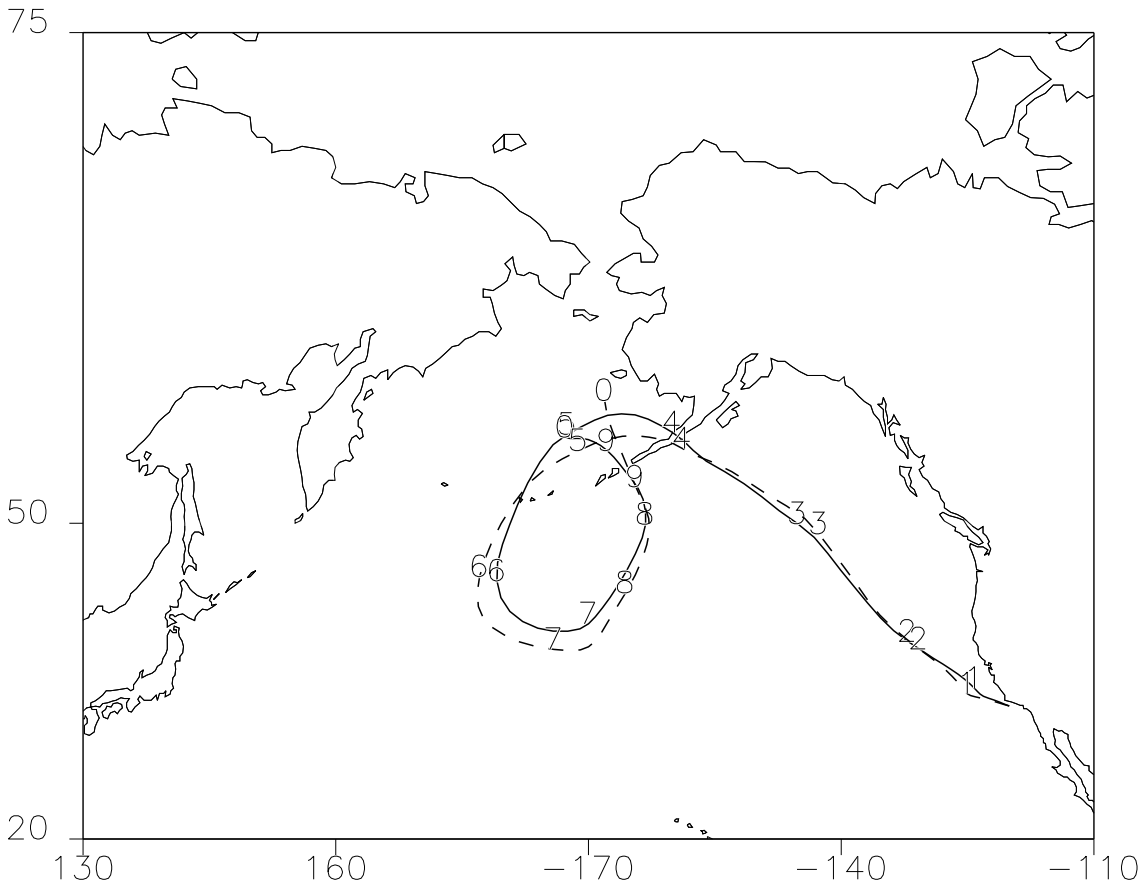
Day	km	hPa	C
0	0.3	985	11
1	0.1	1000	10
2	0.2	995	6
3	0.5	961	1
4	1.7	819	−14
5	1.8	809	−11
6	2.5	737	−17
7	3.4	650	−25
8	3.3	656	−25
9	2.1	775	−13
10	2.0	786	−12

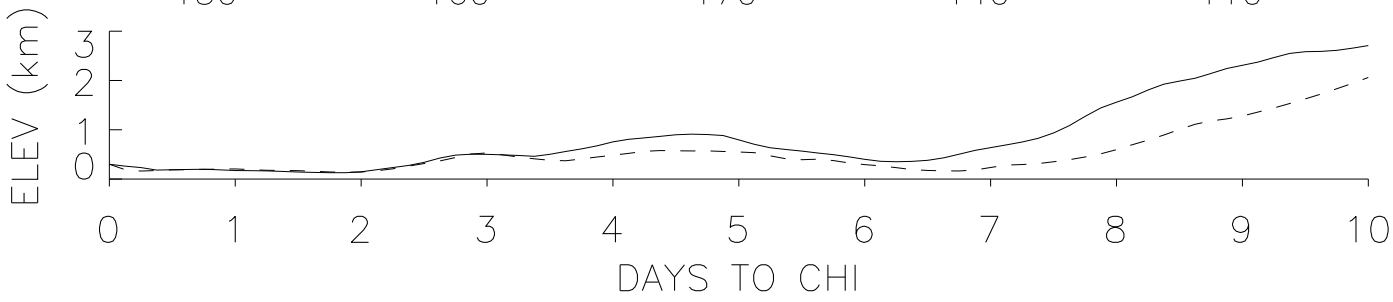
06UT

Day	km	hPa	C
0	0.3	985	11
1	0.2	1000	10
2	0.2	995	7
3	0.5	962	1
4	1.3	865	−9
5	1.5	838	−8
6	1.4	861	−6
7	1.5	850	−2
8	2.4	758	−9
9	3.6	647	−18
10	4.0	603	−21

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/4/2003 (Day of Year 94)
NCEP/NCAR Reanalysis 1 Data Set





12UT

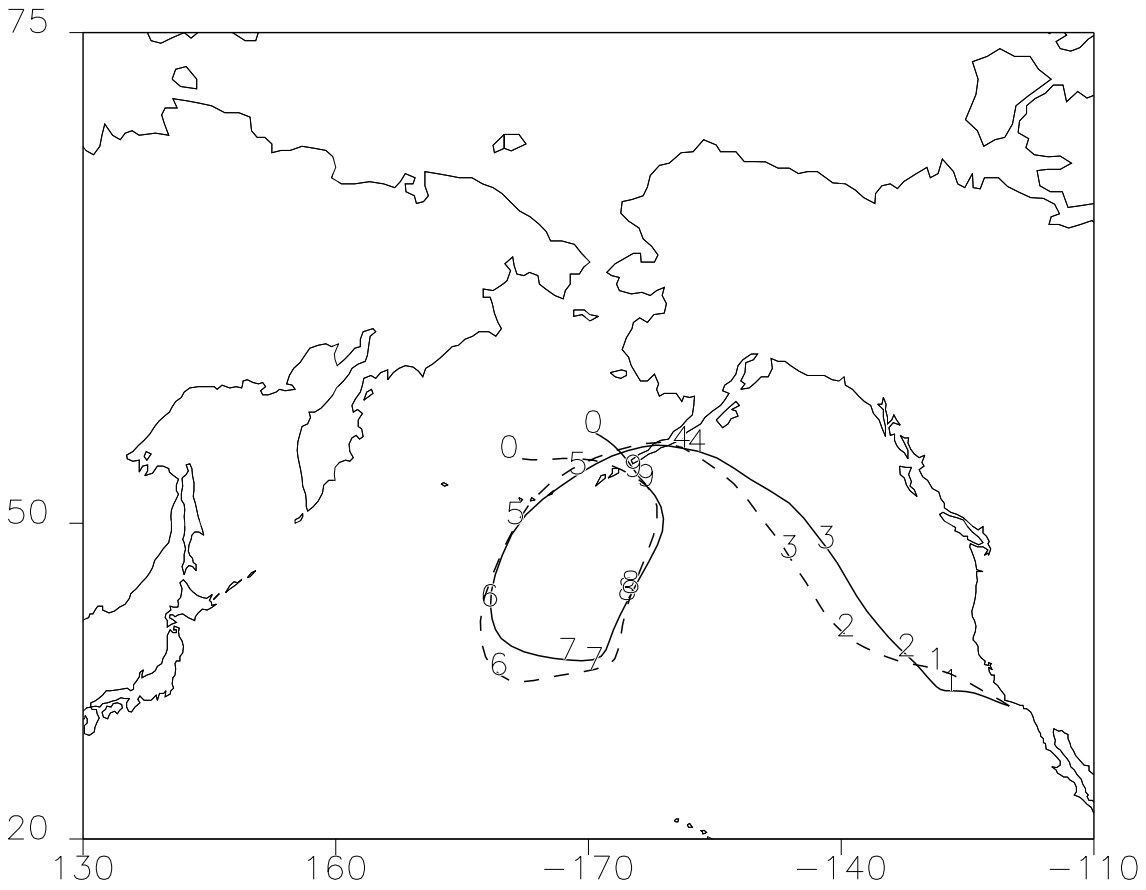
Day	km	hPa	C
0	0.3	983	9
1	0.2	1000	10
2	0.1	997	7
3	0.5	965	0
4	0.8	933	−3
5	0.8	921	−3
6	0.4	978	4
7	0.6	946	−1
8	1.6	841	−7
9	2.3	759	−16
10	2.7	717	−18

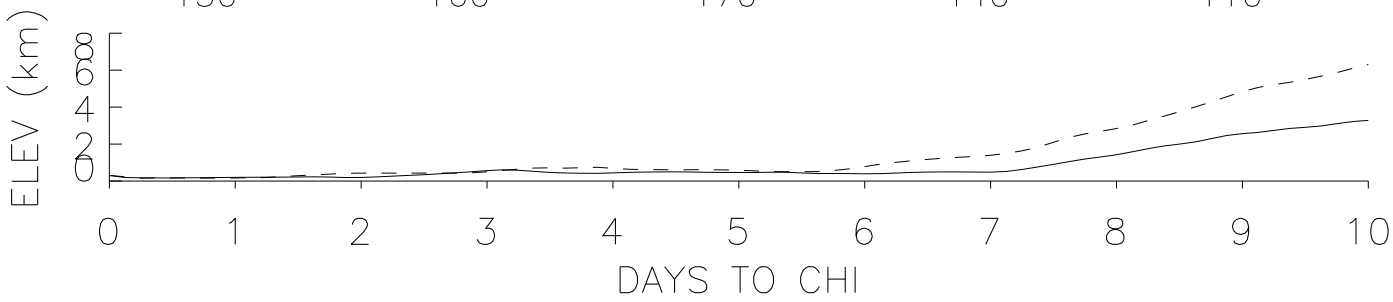
18UT

Day	km	hPa	C
0	0.3	984	11
1	0.2	1000	10
2	0.1	999	9
3	0.5	959	0
4	0.5	967	0
5	0.5	953	2
6	0.3	988	5
7	0.2	990	6
8	0.6	948	−3
9	1.3	869	−8
10	2.1	780	−16

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/5/2003 (Day of Year 95)
NCEP/NCAR Reanalysis 1 Data Set





00UT

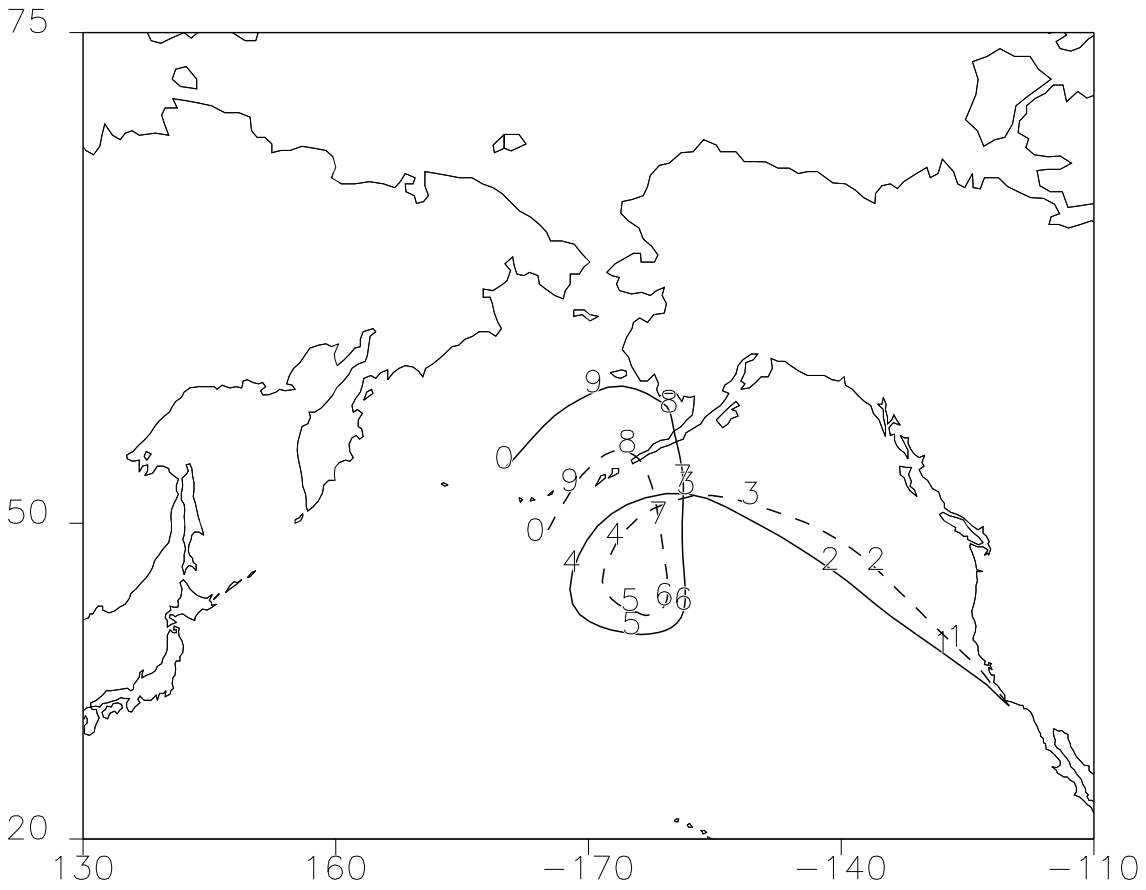
Day	km	hPa	C
0	0.3	982	11
1	0.2	1000	10
2	0.2	996	9
3	0.6	953	1
4	0.4	973	2
5	0.5	967	4
6	0.4	980	7
7	0.5	961	4
8	1.4	853	−4
9	2.6	737	−15
10	3.3	664	−23

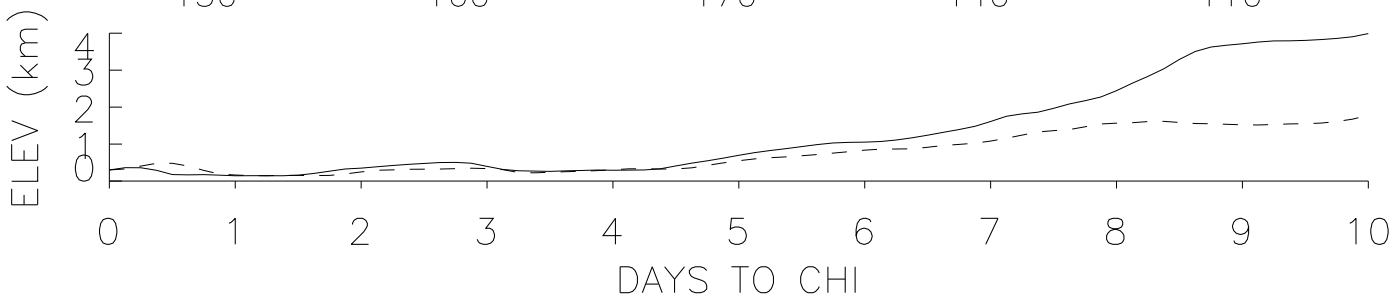
06UT

Day	km	hPa	C
0	0.3	982	10
1	0.2	1000	12
2	0.4	973	5
3	0.5	966	3
4	0.7	943	3
5	0.6	951	3
6	0.8	935	7
7	1.4	860	1
8	2.8	712	−9
9	4.8	542	−29
10	6.3	433	−41

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/5/2003 (Day of Year 95)
NCEP/NCAR Reanalysis 1 Data Set





12UT

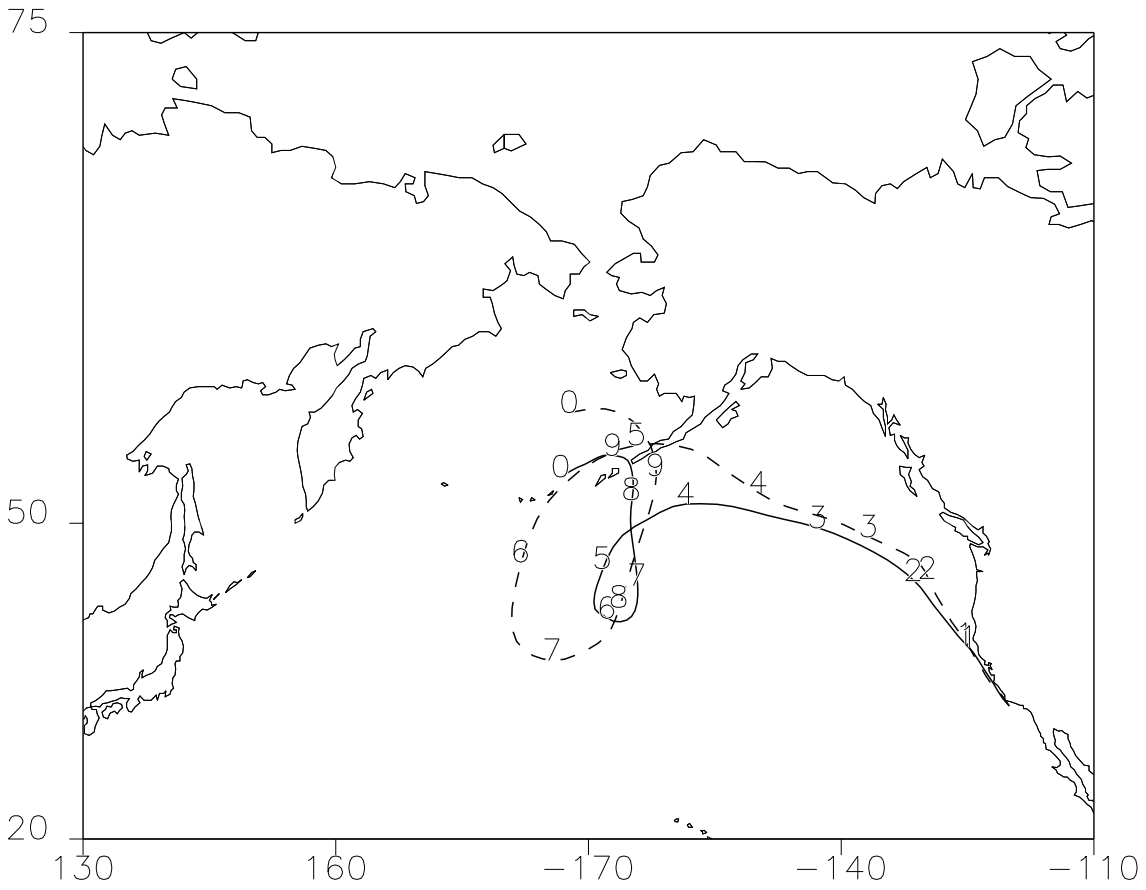
Day	km	hPa	C
0	0.3	983	8
1	0.1	1000	9
2	0.4	974	3
3	0.4	977	1
4	0.3	1000	4
5	0.7	957	3
6	1.1	907	0
7	1.6	833	−6
8	2.4	751	−11
9	3.7	630	−24
10	4.0	604	−24

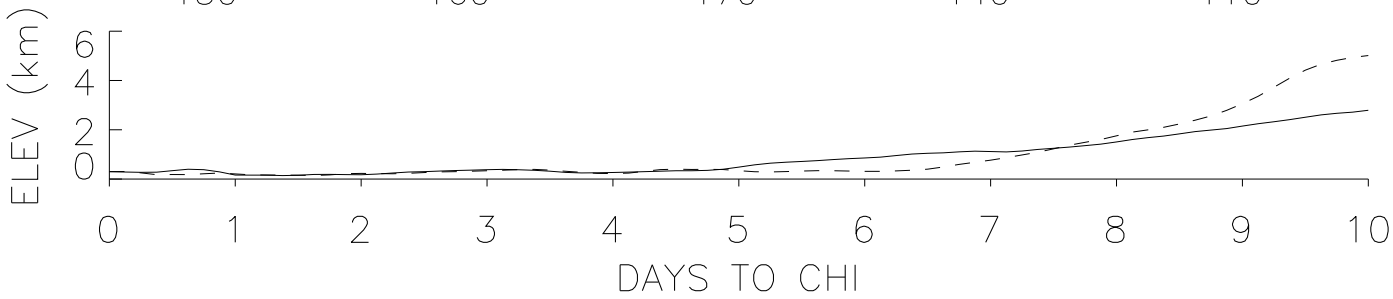
18UT

Day	km	hPa	C
0	0.3	984	10
1	0.2	1000	8
2	0.2	982	4
3	0.3	979	2
4	0.3	999	2
5	0.5	976	3
6	0.8	937	−1
7	1.1	895	−3
8	1.6	843	−6
9	1.5	849	−7
10	1.8	817	−9

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/6/2003 (Day of Year 96)
NCEP/NCAR Reanalysis 1 Data Set





00UT

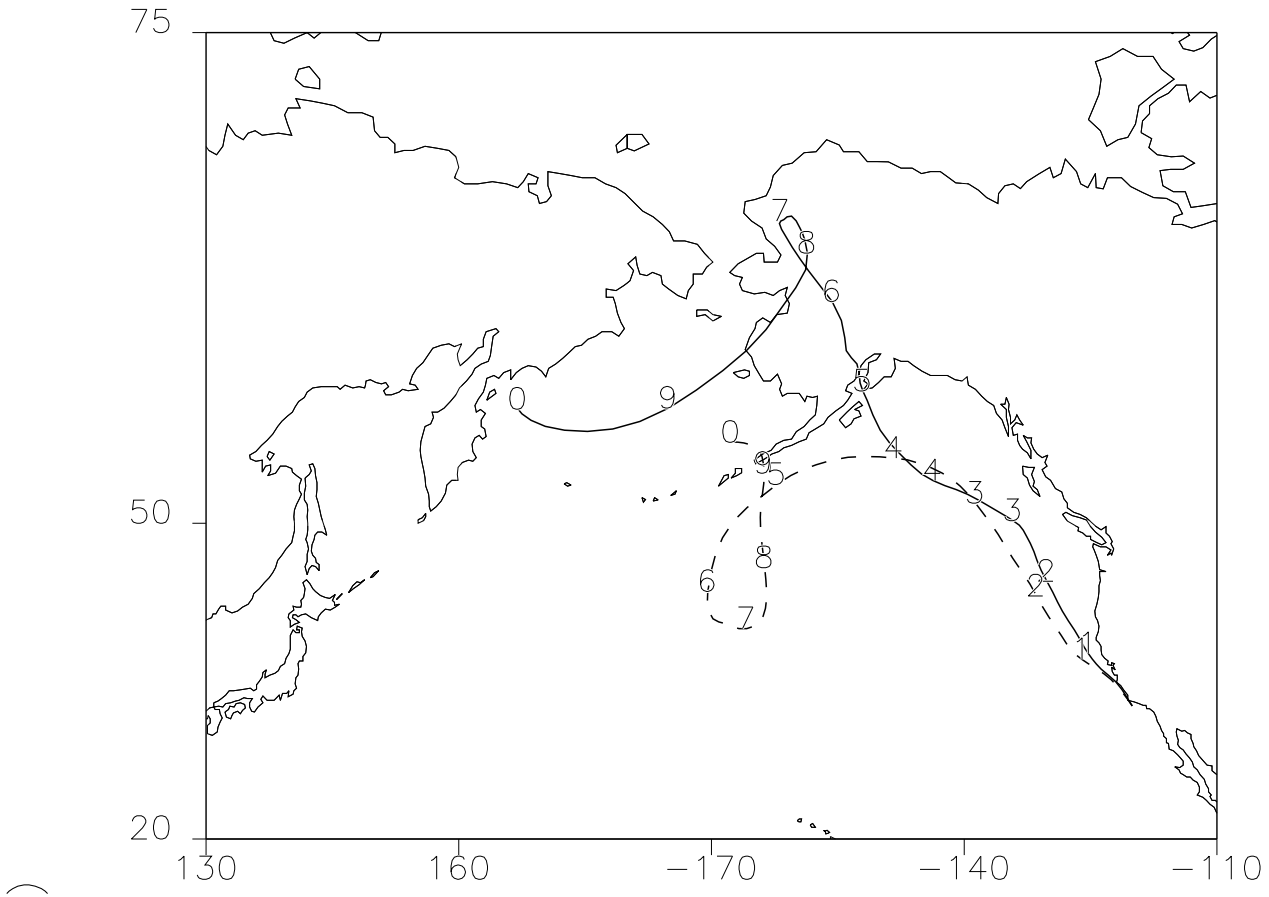
Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	9
2	0.2	989	6
3	0.4	969	2
4	0.3	1000	2
5	0.5	982	2
6	0.9	937	1
7	1.1	897	−1
8	1.5	850	−5
9	2.1	784	−10
10	2.8	716	−16

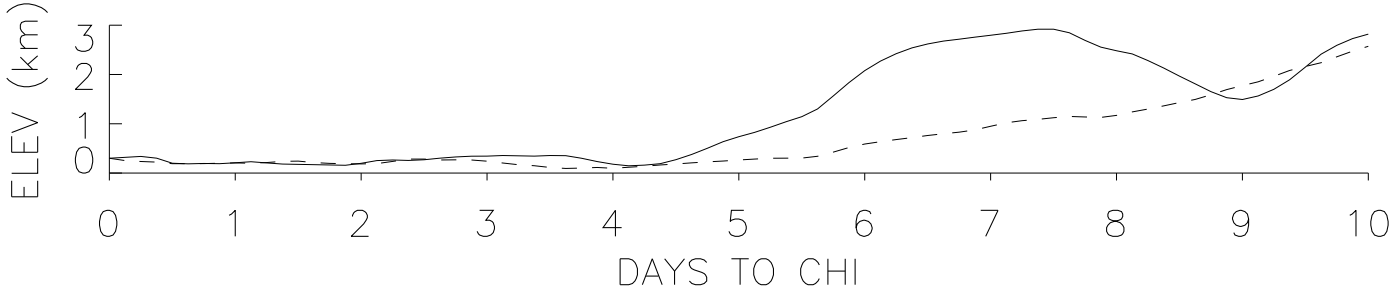
06UT

Day	km	hPa	C
0	0.3	984	11
1	0.2	997	7
2	0.2	984	6
3	0.3	970	2
4	0.2	998	3
5	0.3	987	3
6	0.3	990	6
7	0.8	940	2
8	1.8	824	−1
9	3.1	694	−14
10	5.0	526	−32

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/6/2003 (Day of Year 96)
NCEP/NCAR Reanalysis 1 Data Set





12UT

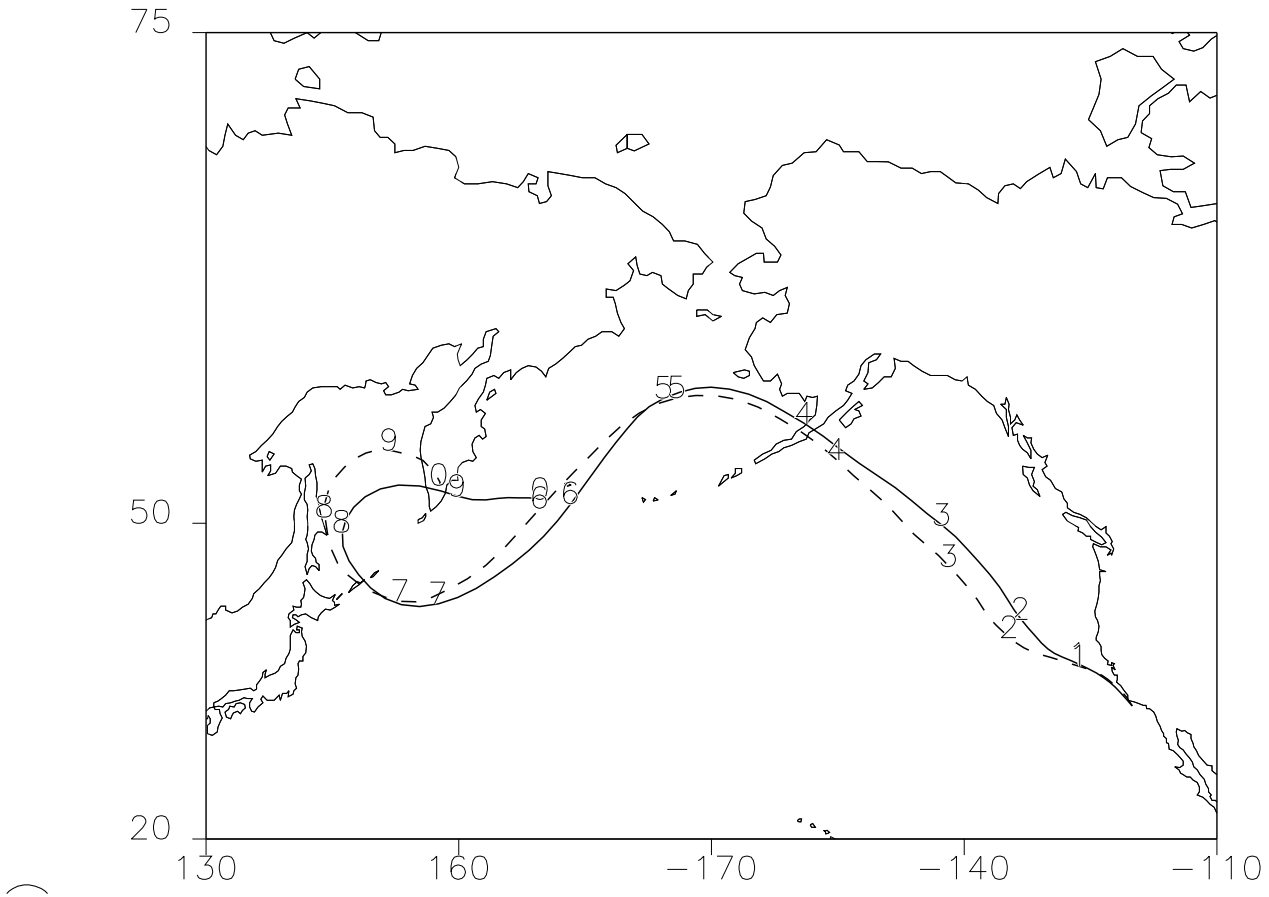
Day	km	hPa	C
0	0.3	985	10
1	0.2	997	8
2	0.2	991	5
3	0.3	964	1
4	0.2	995	4
5	0.7	931	−6
6	2.1	777	−21
7	2.8	698	−24
8	2.5	732	−20
9	1.5	840	−10
10	2.8	692	−23

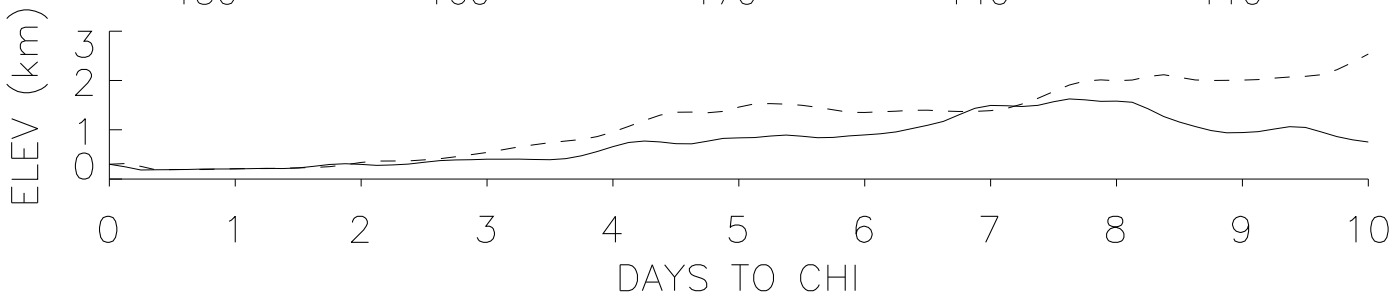
18UT

Day	km	hPa	C
0	0.3	985	12
1	0.2	1000	9
2	0.2	1000	6
3	0.2	982	3
4	0.1	1000	5
5	0.3	1000	4
6	0.6	969	3
7	0.9	924	−1
8	1.2	889	−3
9	1.8	820	−6
10	2.6	739	−13

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/7/2003 (Day of Year 97)
NCEP/NCAR Reanalysis 1 Data Set





00UT

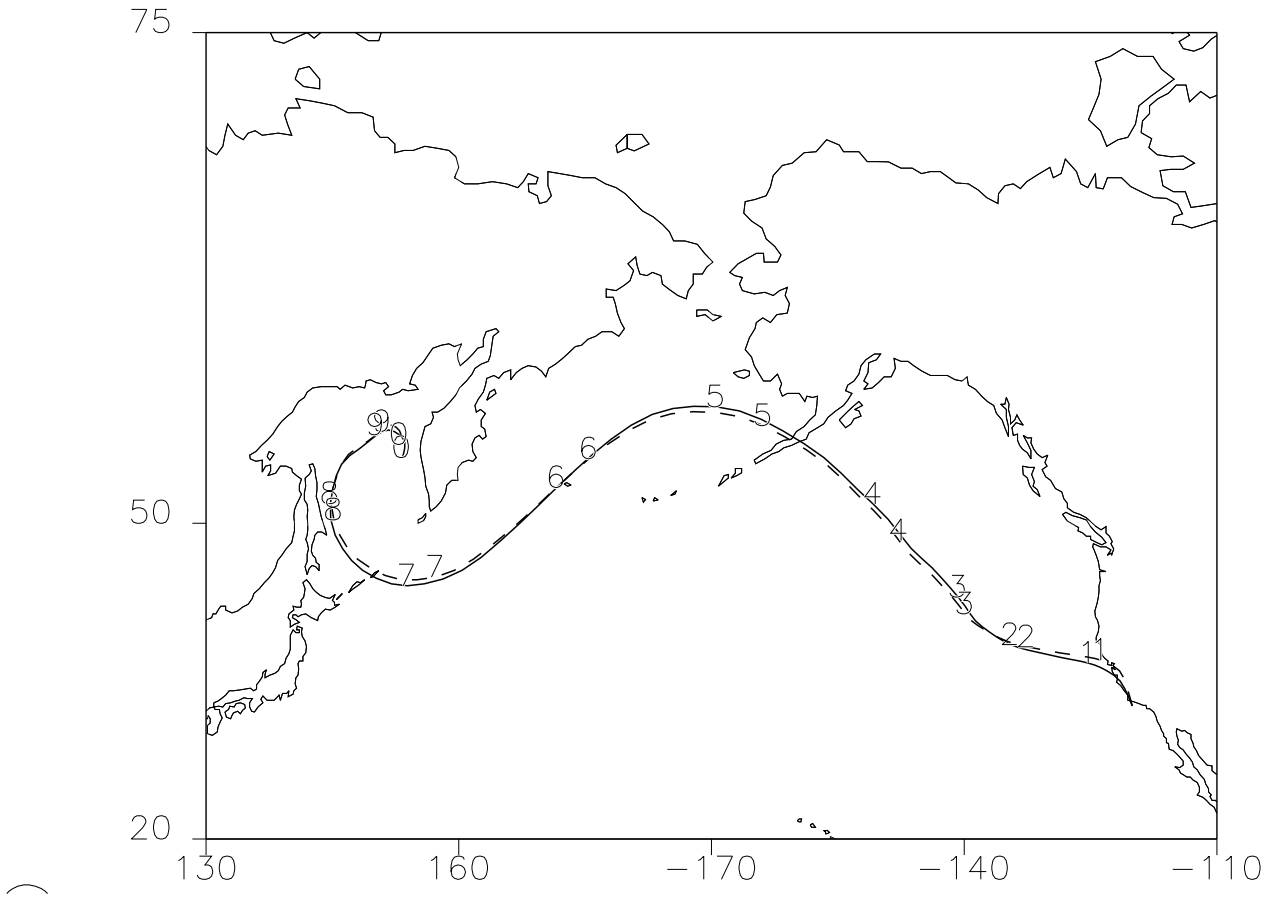
Day	km	hPa	C
0	0.3	983	12
1	0.2	1000	9
2	0.3	991	6
3	0.4	972	3
4	0.7	939	−3
5	0.8	916	−4
6	0.9	908	−6
7	1.5	835	−12
8	1.6	819	−13
9	0.9	900	−6
10	0.8	924	−3

06UT

Day	km	hPa	C
0	0.3	983	12
1	0.2	1000	10
2	0.3	988	7
3	0.5	962	1
4	1.0	906	−3
5	1.5	846	−9
6	1.4	853	−11
7	1.4	846	−11
8	2.0	777	−16
9	2.0	783	−13
10	2.5	733	−16

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/7/2003 (Day of Year 97)
NCEP/NCAR Reanalysis 1 Data Set

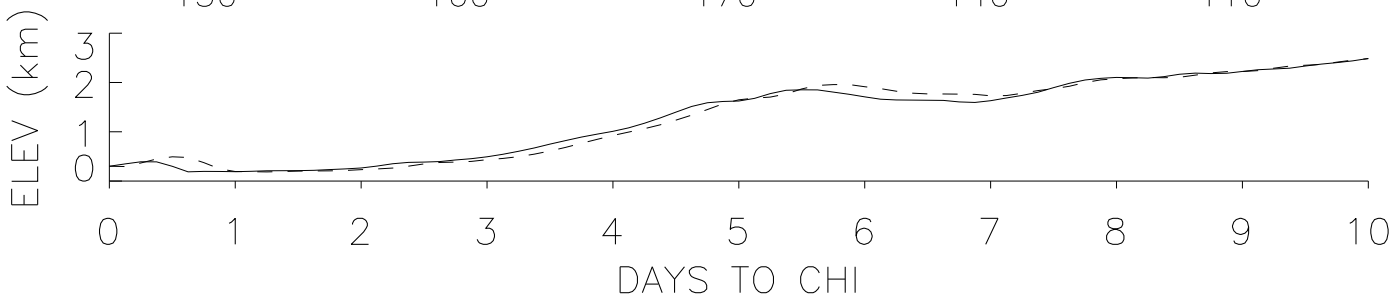


12UT

Day	km	hPa	C
0	0.3	983	11
1	0.2	1000	10
2	0.3	994	7
3	0.5	970	2
4	1.0	902	−3
5	1.6	829	−10
6	1.7	817	−12
7	1.6	818	−13
8	2.1	767	−16
9	2.2	761	−14
10	2.5	737	−16

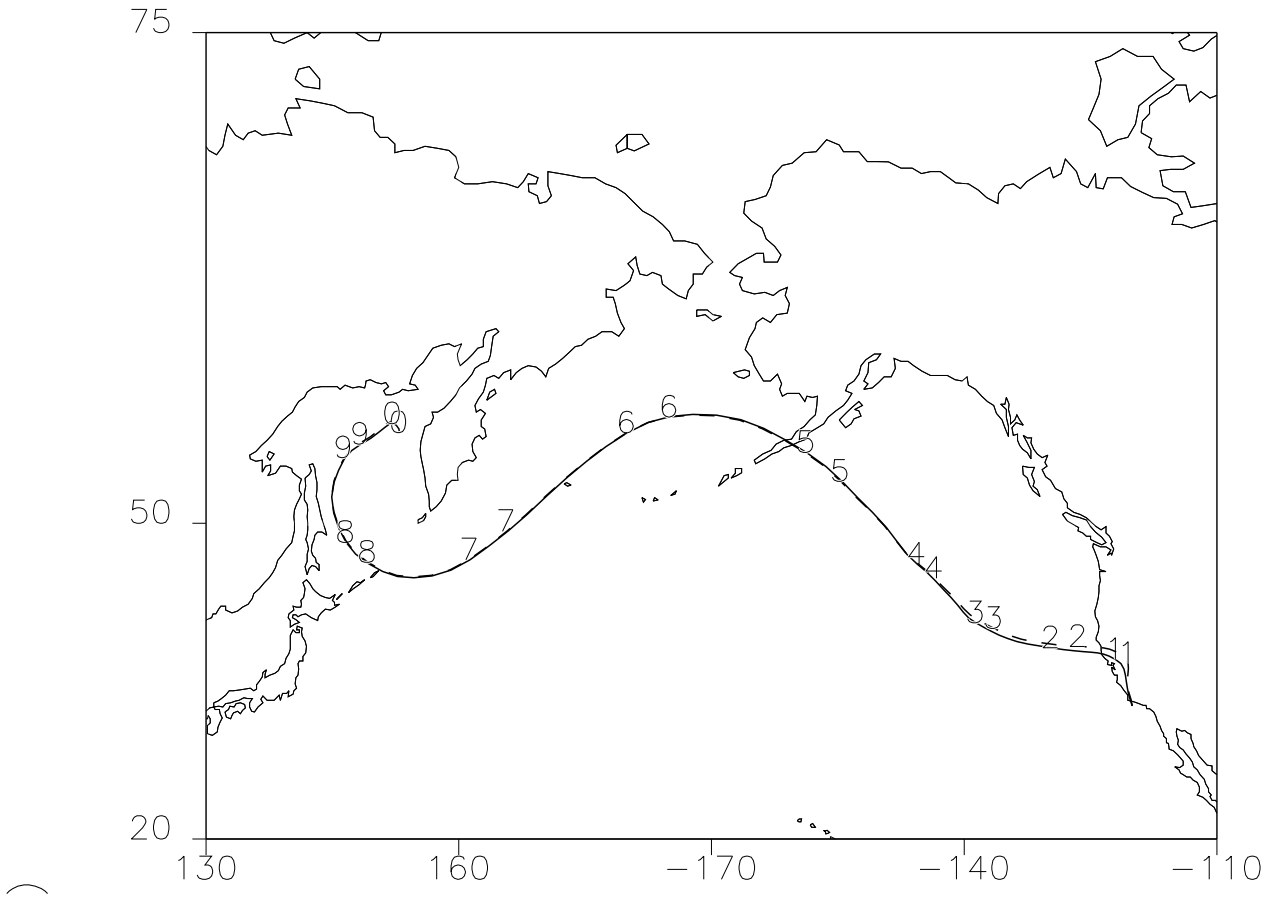
18UT

Day	km	hPa	C
0	0.3	985	15
1	0.2	1000	10
2	0.2	999	9
3	0.4	980	3
4	0.9	915	−2
5	1.6	830	−8
6	1.9	795	−13
7	1.7	807	−13
8	2.1	768	−15
9	2.2	758	−15
10	2.5	737	−16



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/8/2003 (Day of Year 98)
NCEP/NCAR Reanalysis 1 Data Set

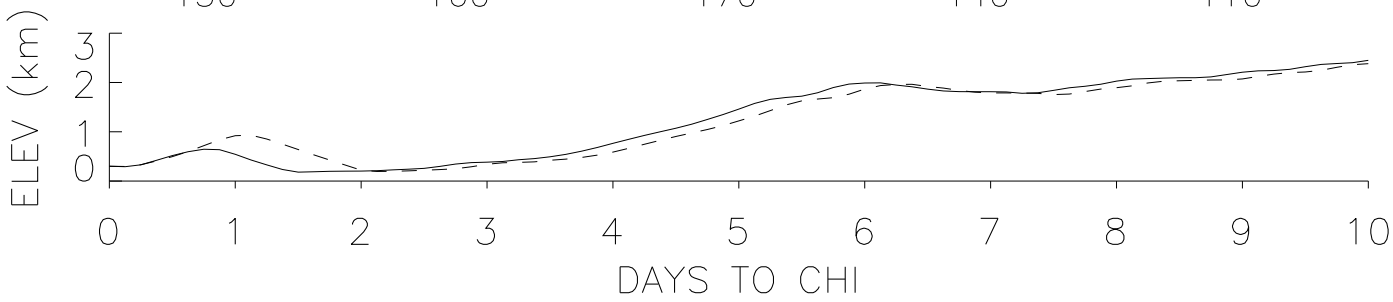


00UT

Day	km	hPa	C
0	0.3	983	18
1	0.5	956	10
2	0.2	1000	8
3	0.4	984	4
4	0.8	936	−1
5	1.5	851	−7
6	2.0	790	−13
7	1.8	799	−13
8	2.0	775	−15
9	2.2	758	−15
10	2.4	741	−16

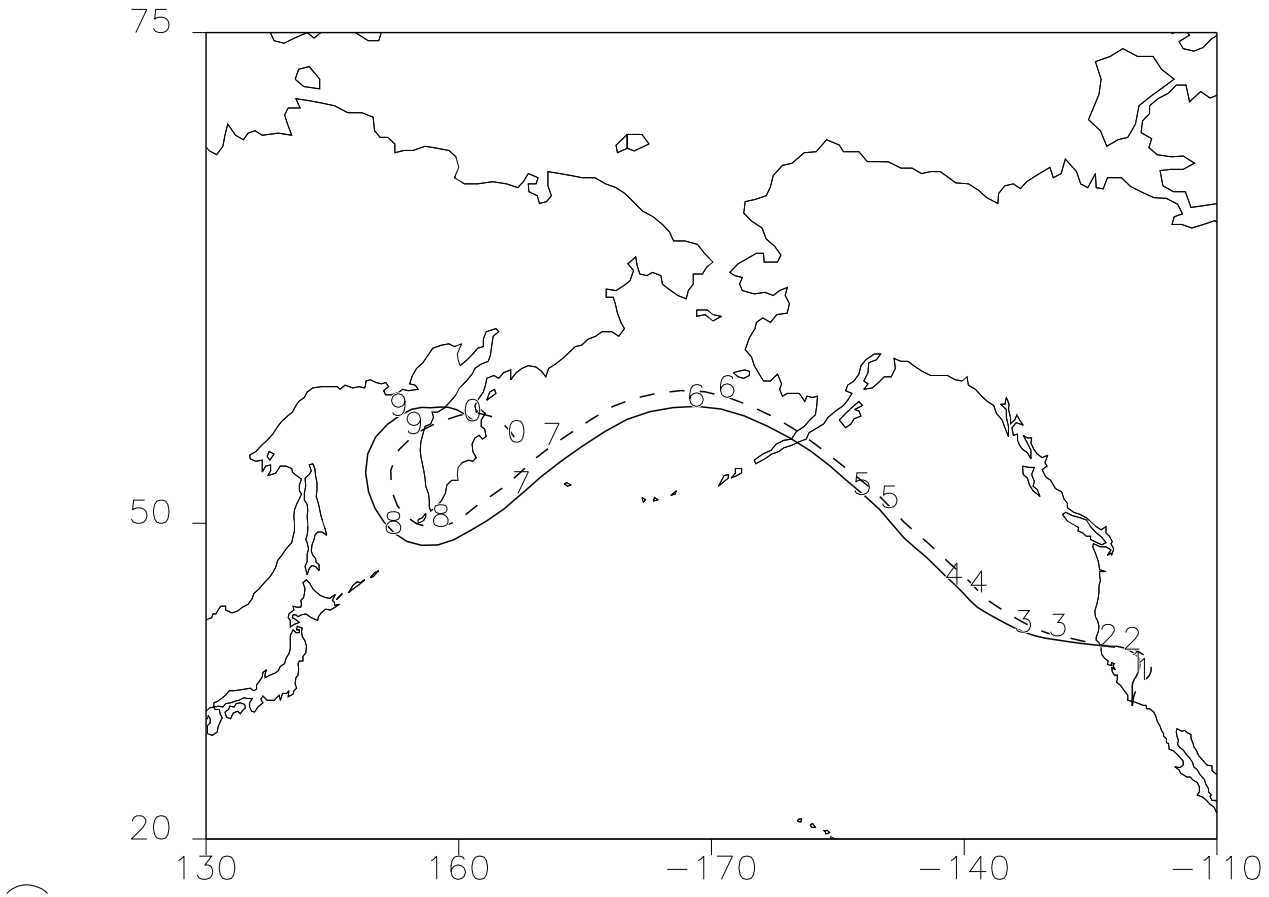
06UT

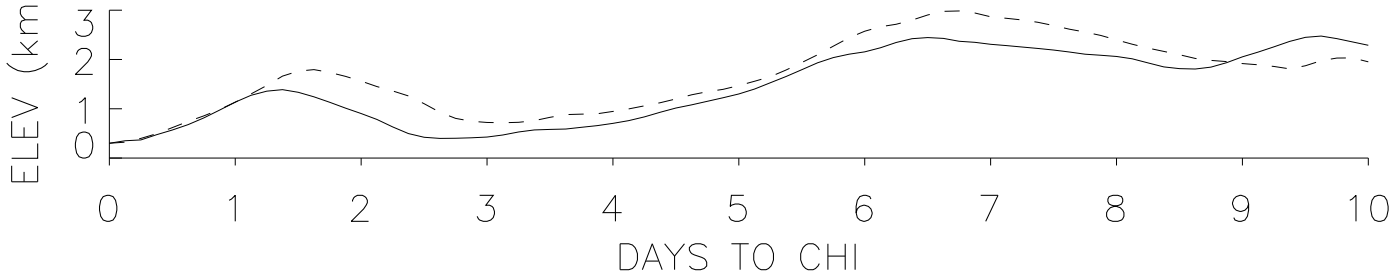
Day	km	hPa	C
0	0.3	984	16
1	0.9	914	6
2	0.2	997	9
3	0.3	988	6
4	0.6	959	0
5	1.2	879	−3
6	1.9	804	−11
7	1.8	805	−12
8	1.9	788	−14
9	2.1	770	−15
10	2.4	747	−16



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/8/2003 (Day of Year 98)
NCEP/NCAR Reanalysis 1 Data Set





12UT

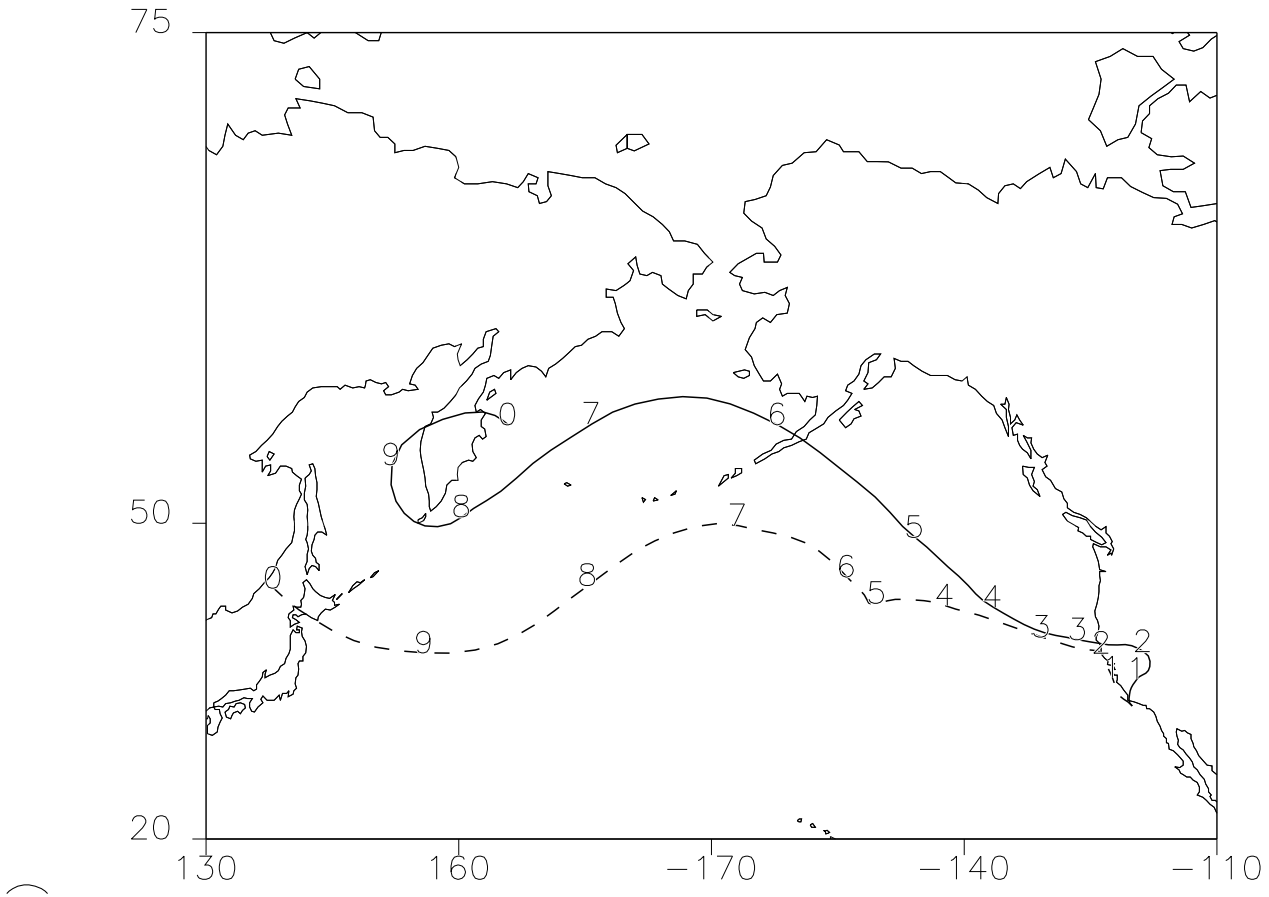
Day	km	hPa	C
0	0.3	984	15
1	1.1	891	4
2	0.9	914	4
3	0.4	973	5
4	0.7	944	−1
5	1.3	870	−4
6	2.2	774	−13
7	2.3	751	−15
8	2.1	766	−14
9	2.1	774	−10
10	2.3	757	−11

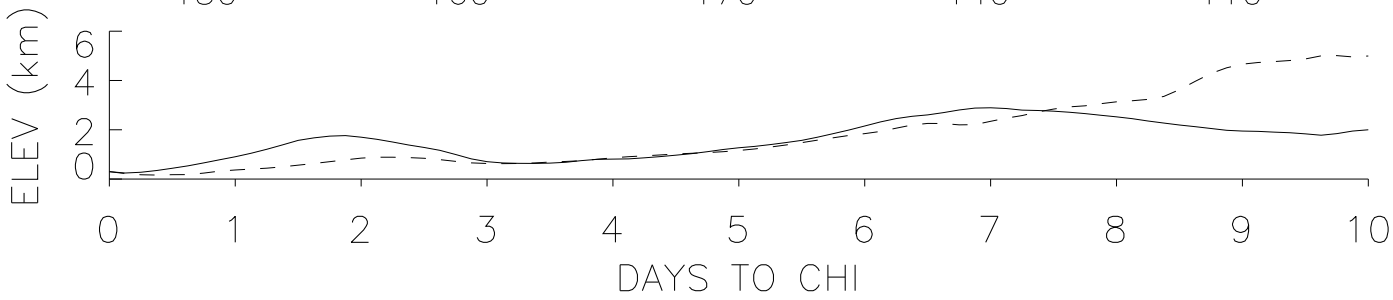
18UT

Day	km	hPa	C
0	0.3	985	17
1	1.1	893	10
2	1.6	843	1
3	0.7	938	4
4	0.9	917	−1
5	1.5	852	−5
6	2.6	734	−15
7	2.9	696	−19
8	2.4	732	−16
9	1.9	777	−9
10	2.0	786	−9

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/9/2003 (Day of Year 99)
NCEP/NCAR Reanalysis 1 Data Set





00UT

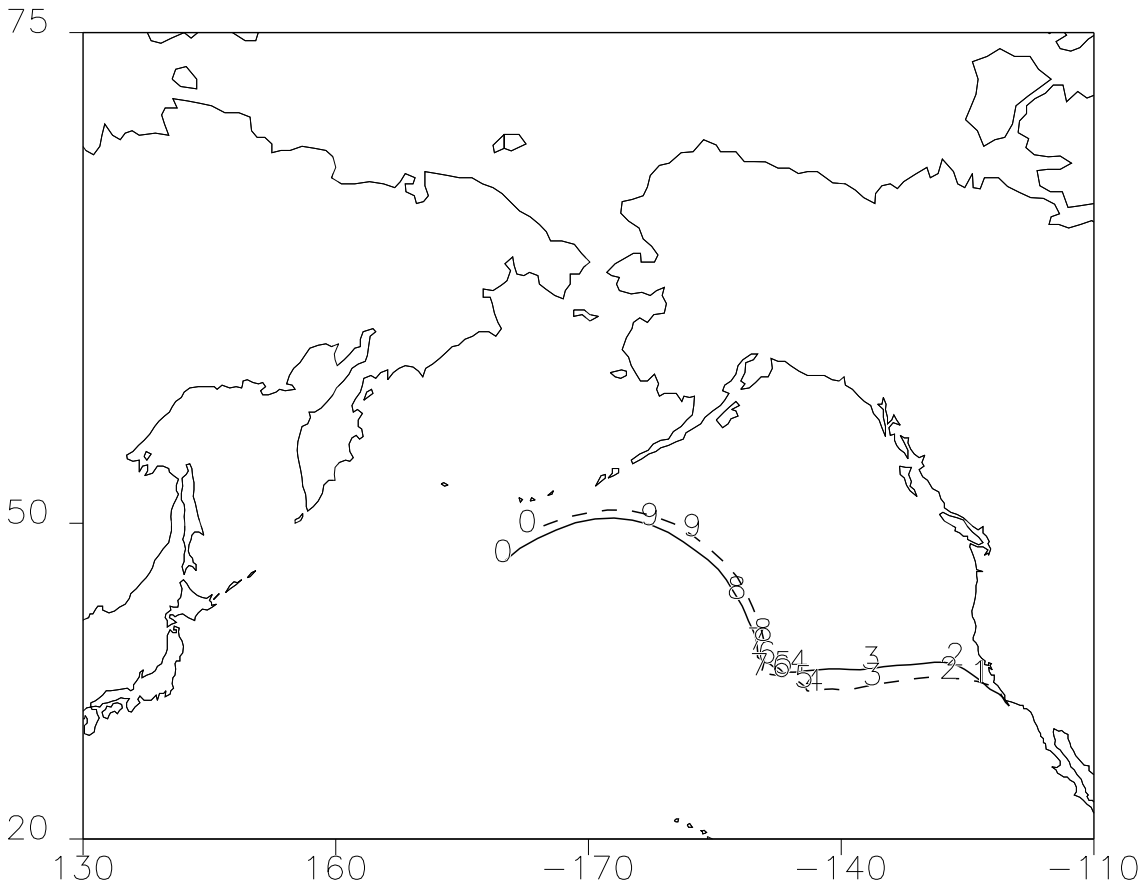
Day	km	hPa	C
0	0.3	982	19
1	0.9	915	16
2	1.7	828	3
3	0.7	938	4
4	0.8	932	0
5	1.3	876	−3
6	2.2	777	−11
7	2.9	697	−19
8	2.5	720	−16
9	1.9	772	−11
10	2.0	781	−10

06UT

Day	km	hPa	C
0	0.3	983	16
1	0.4	977	13
2	0.9	924	6
3	0.6	949	6
4	0.9	927	3
5	1.2	895	−1
6	1.8	821	0
7	2.3	772	−3
8	3.1	691	−10
9	4.7	555	−24
10	5.0	524	−30

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/9/2003 (Day of Year 99)
NCEP/NCAR Reanalysis 1 Data Set

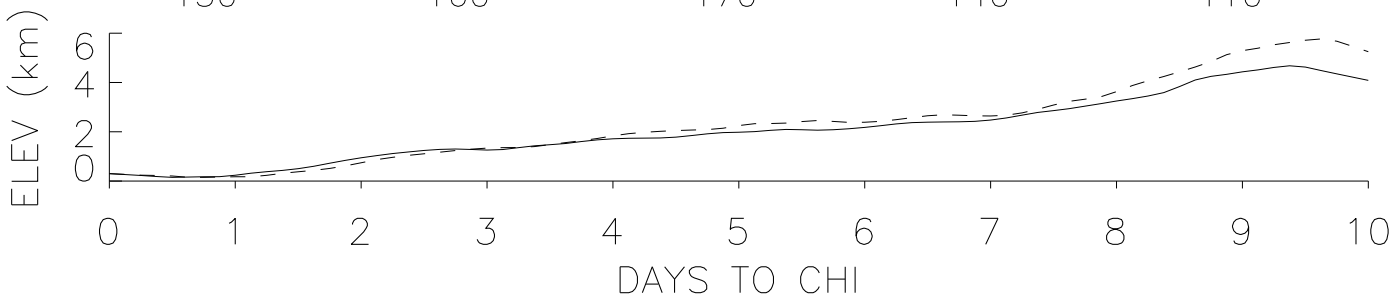


12UT

Day	km	hPa	C
0	0.3	980	15
1	0.2	992	13
2	0.9	913	7
3	1.3	880	5
4	1.7	837	4
5	2.0	810	0
6	2.2	788	1
7	2.5	762	1
8	3.2	696	−3
9	4.4	595	−14
10	4.1	617	−10

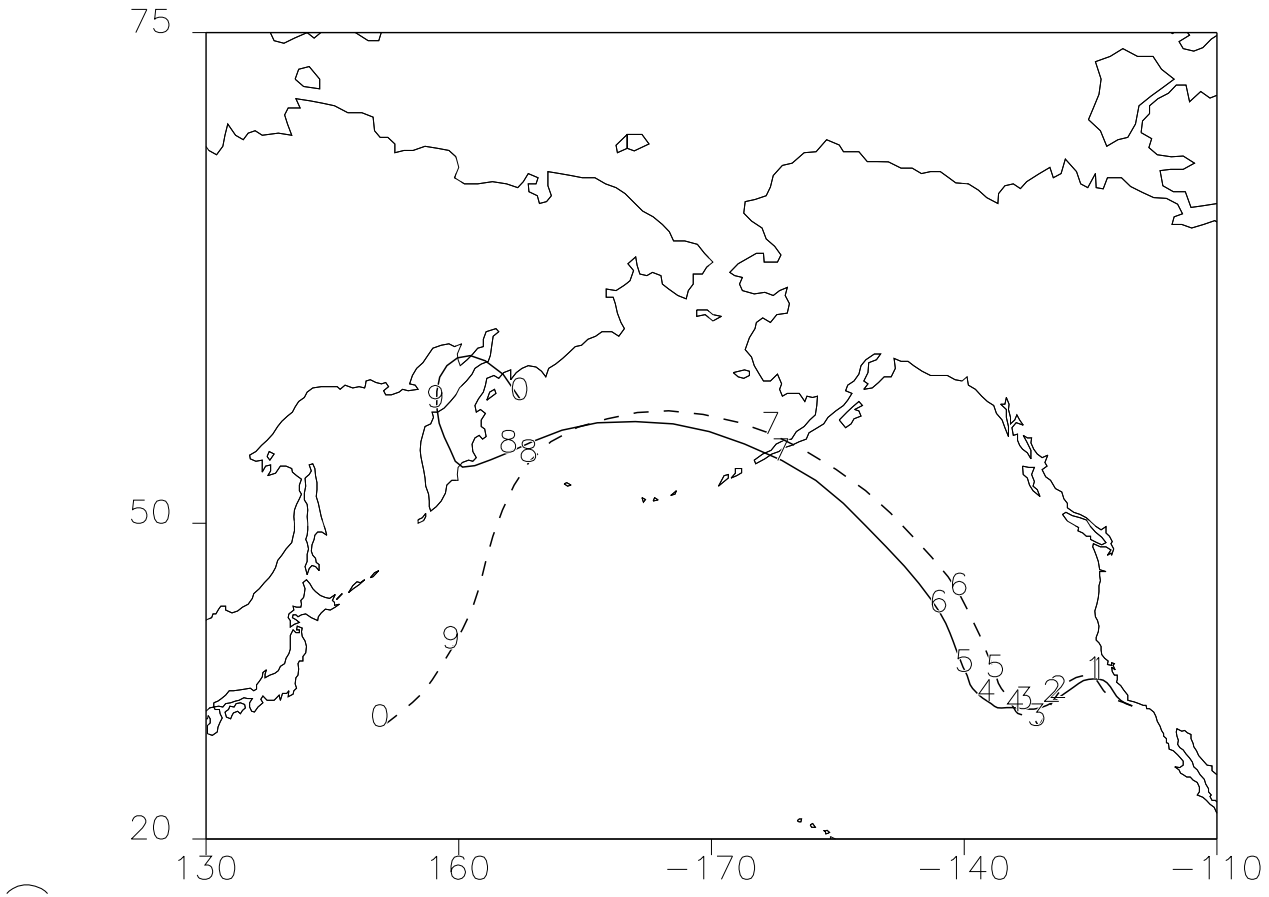
18UT

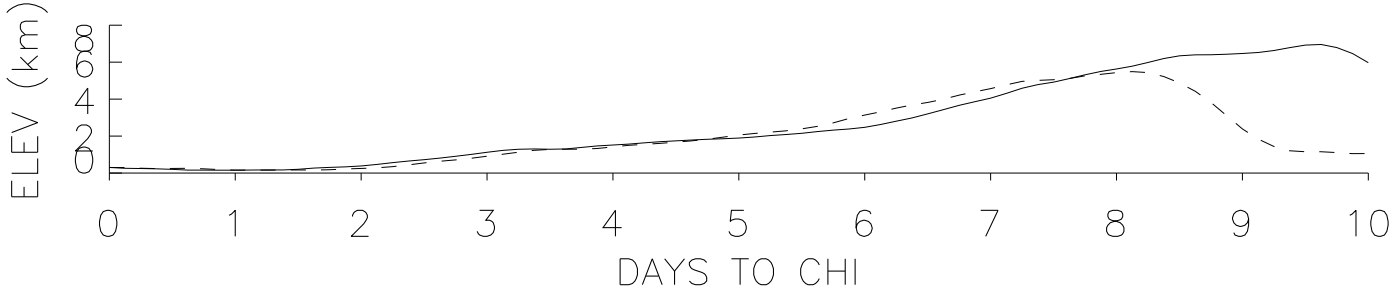
Day	km	hPa	C
0	0.3	980	18
1	0.2	1000	15
2	0.7	938	8
3	1.3	874	5
4	1.8	826	4
5	2.3	785	1
6	2.4	768	0
7	2.6	746	1
8	3.6	662	−3
9	5.3	531	−19
10	5.2	528	−18



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/10/2003 (Day of Year 100)
NCEP/NCAR Reanalysis 1 Data Set





00UT

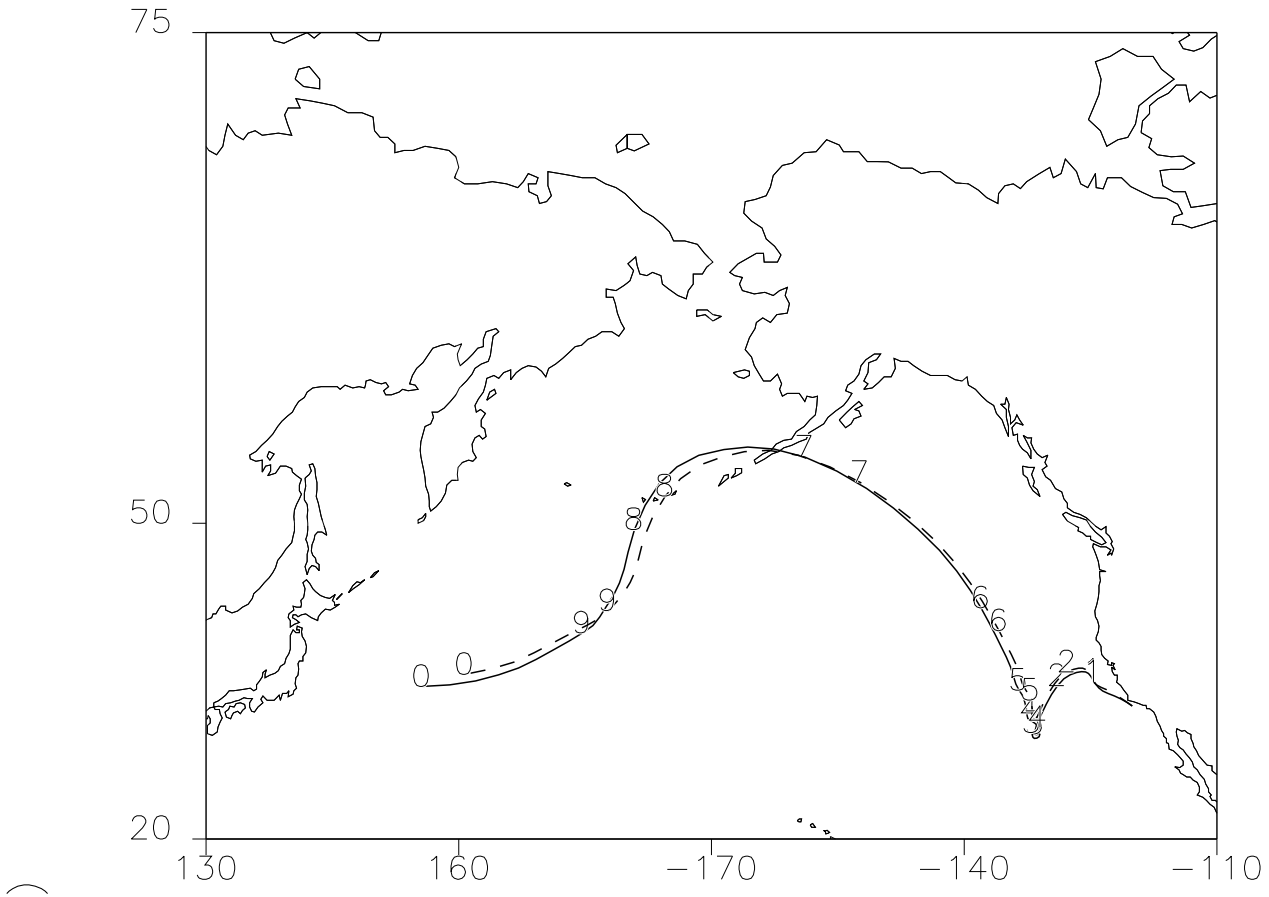
Day	km	hPa	C
0	0.3	978	18
1	0.2	1000	16
2	0.4	977	10
3	1.1	897	6
4	1.5	857	7
5	1.9	819	1
6	2.5	755	−3
7	4.1	610	−16
8	5.6	479	−32
9	6.5	416	−39
10	6.0	452	−33

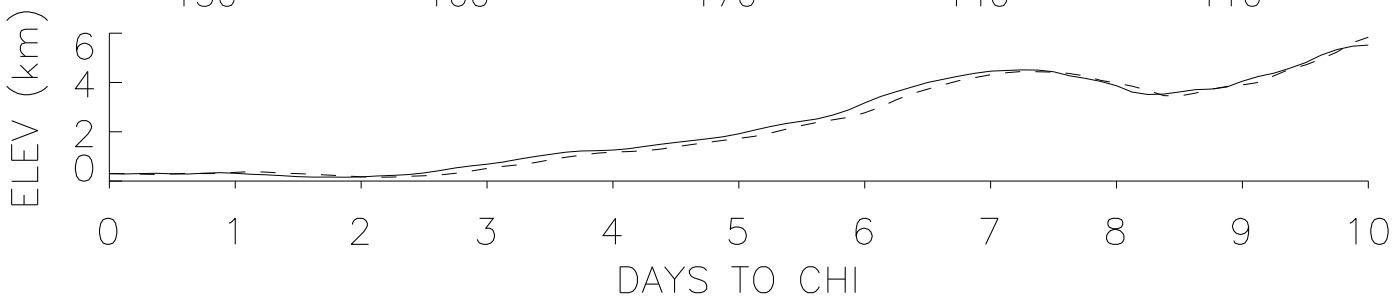
06UT

Day	km	hPa	C
0	0.3	979	14
1	0.2	1000	13
2	0.2	993	12
3	0.9	921	6
4	1.4	868	7
5	2.1	802	2
6	3.1	694	−8
7	4.6	568	−19
8	5.4	498	−28
9	2.4	751	−4
10	1.1	899	7

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/10/2003 (Day of Year 100)
NCEP/NCAR Reanalysis 1 Data Set





12UT

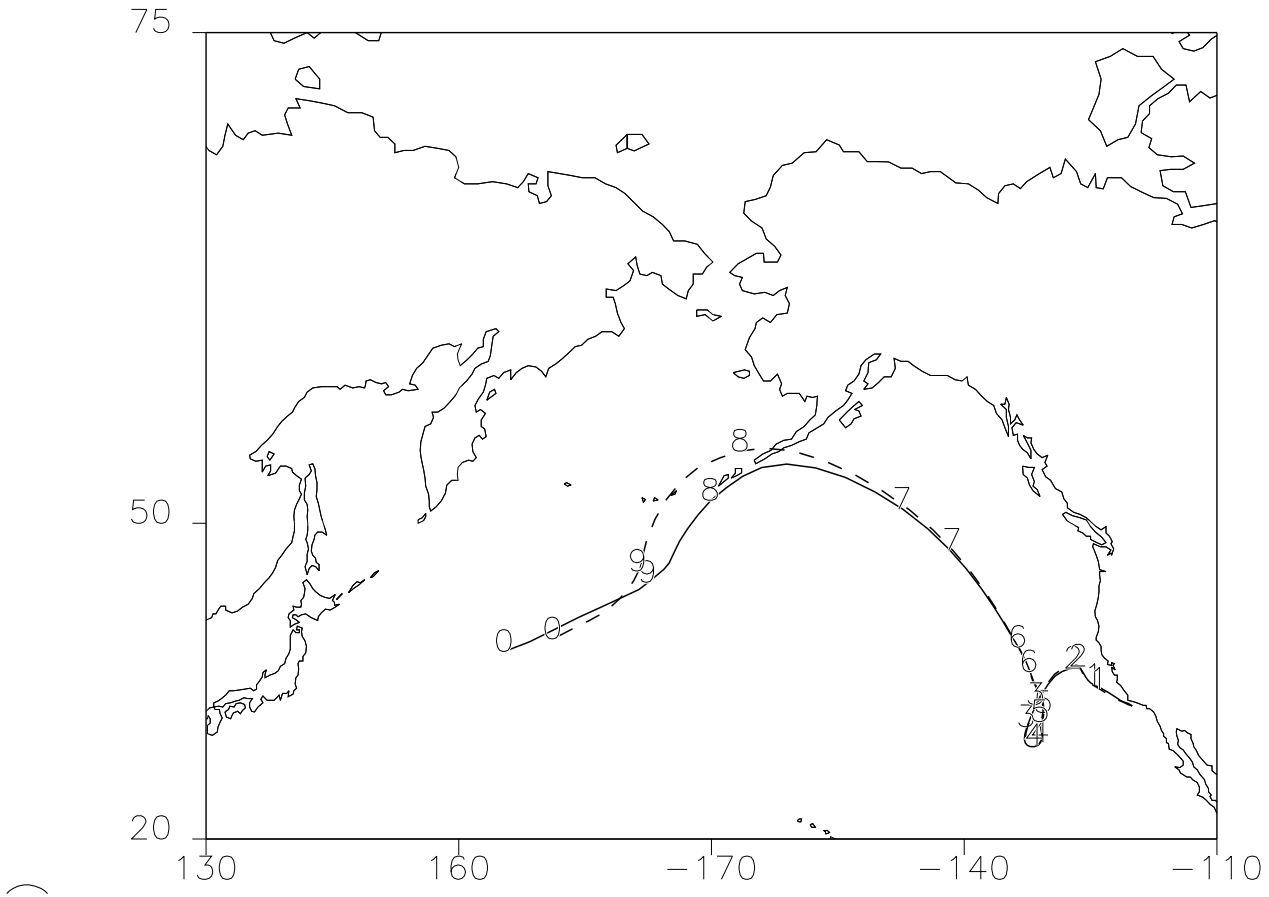
Day	km	hPa	C
0	0.3	979	13
1	0.3	980	13
2	0.2	998	14
3	0.7	945	8
4	1.3	883	7
5	1.9	813	3
6	3.2	690	−8
7	4.5	577	−18
8	3.9	632	−11
9	4.1	620	−11
10	5.5	502	−22

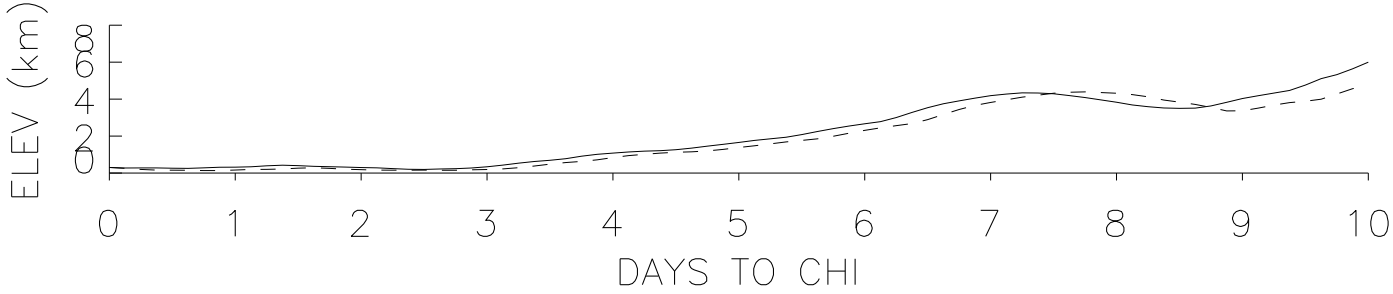
18UT

Day	km	hPa	C
0	0.3	981	15
1	0.4	976	13
2	0.2	999	12
3	0.5	966	10
4	1.2	893	7
5	1.7	834	4
6	2.8	730	−5
7	4.3	588	−18
8	4.0	622	−12
9	3.9	633	−9
10	5.8	480	−26

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/11/2003 (Day of Year 101)
NCEP/NCAR Reanalysis 1 Data Set





00UT

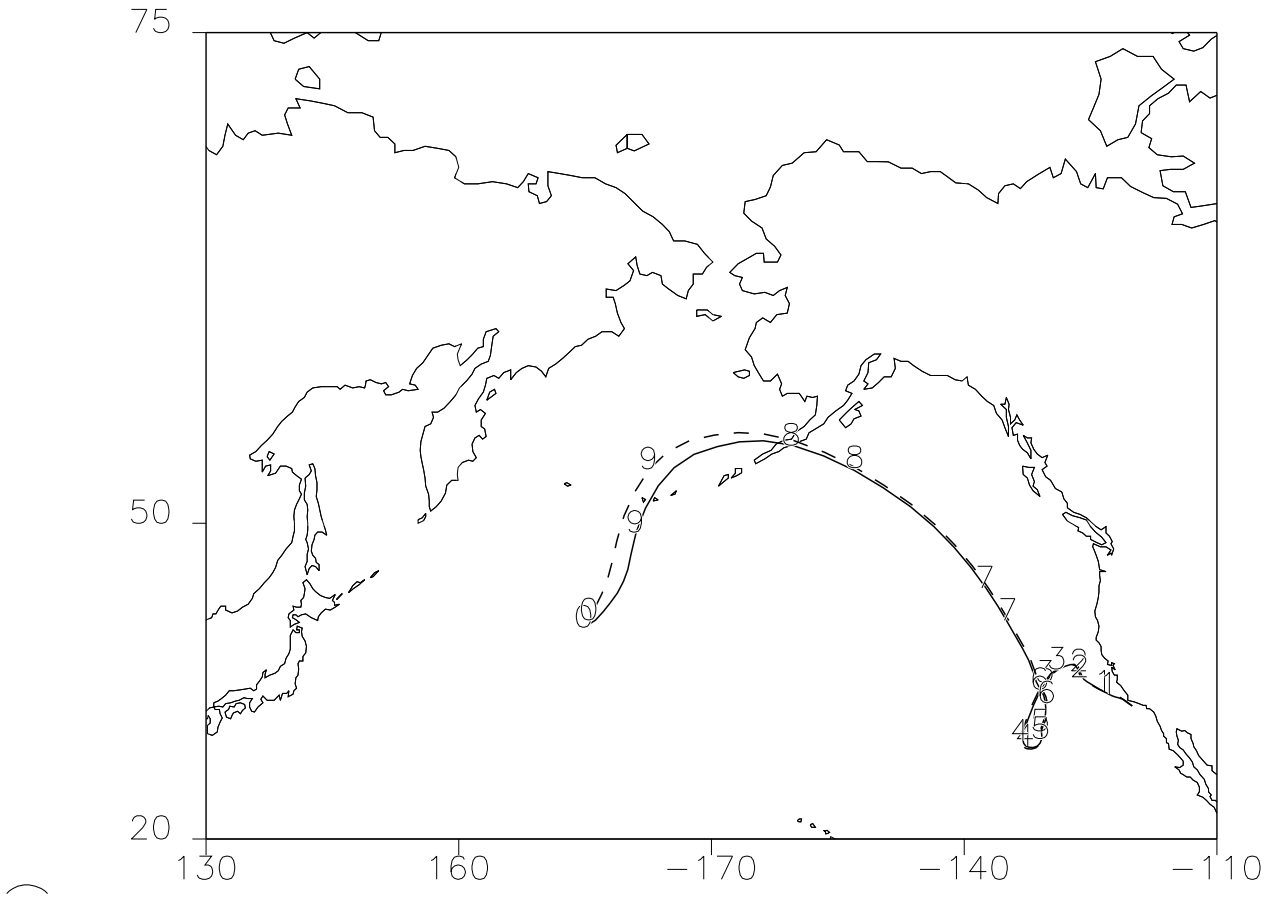
Day	km	hPa	C
0	0.3	980	16
1	0.3	977	13
2	0.3	983	12
3	0.3	983	13
4	1.1	901	7
5	1.7	841	5
6	2.7	739	−4
7	4.2	599	−17
8	3.8	636	−9
9	4.0	625	−10
10	6.0	470	−28

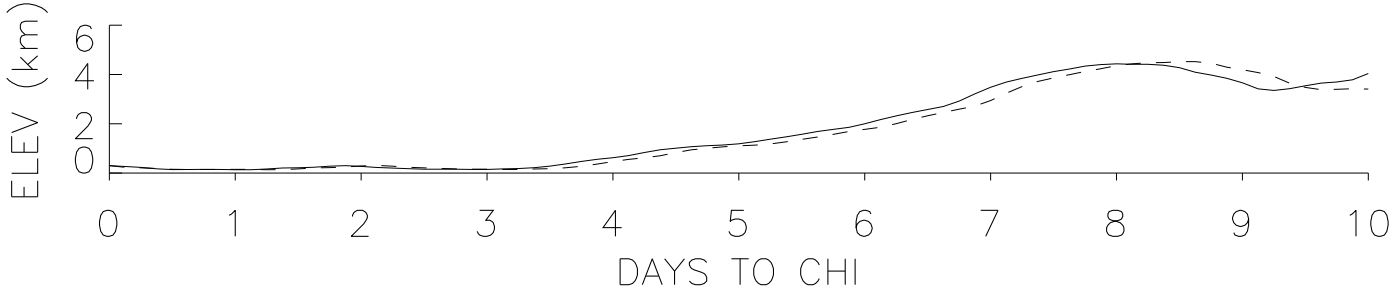
06UT

Day	km	hPa	C
0	0.3	981	13
1	0.2	996	12
2	0.2	997	11
3	0.2	998	14
4	0.8	930	6
5	1.4	872	7
6	2.3	774	−1
7	3.8	630	−15
8	4.3	590	−15
9	3.4	678	−6
10	4.7	562	−16

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/11/2003 (Day of Year 101)
NCEP/NCAR Reanalysis 1 Data Set





12UT

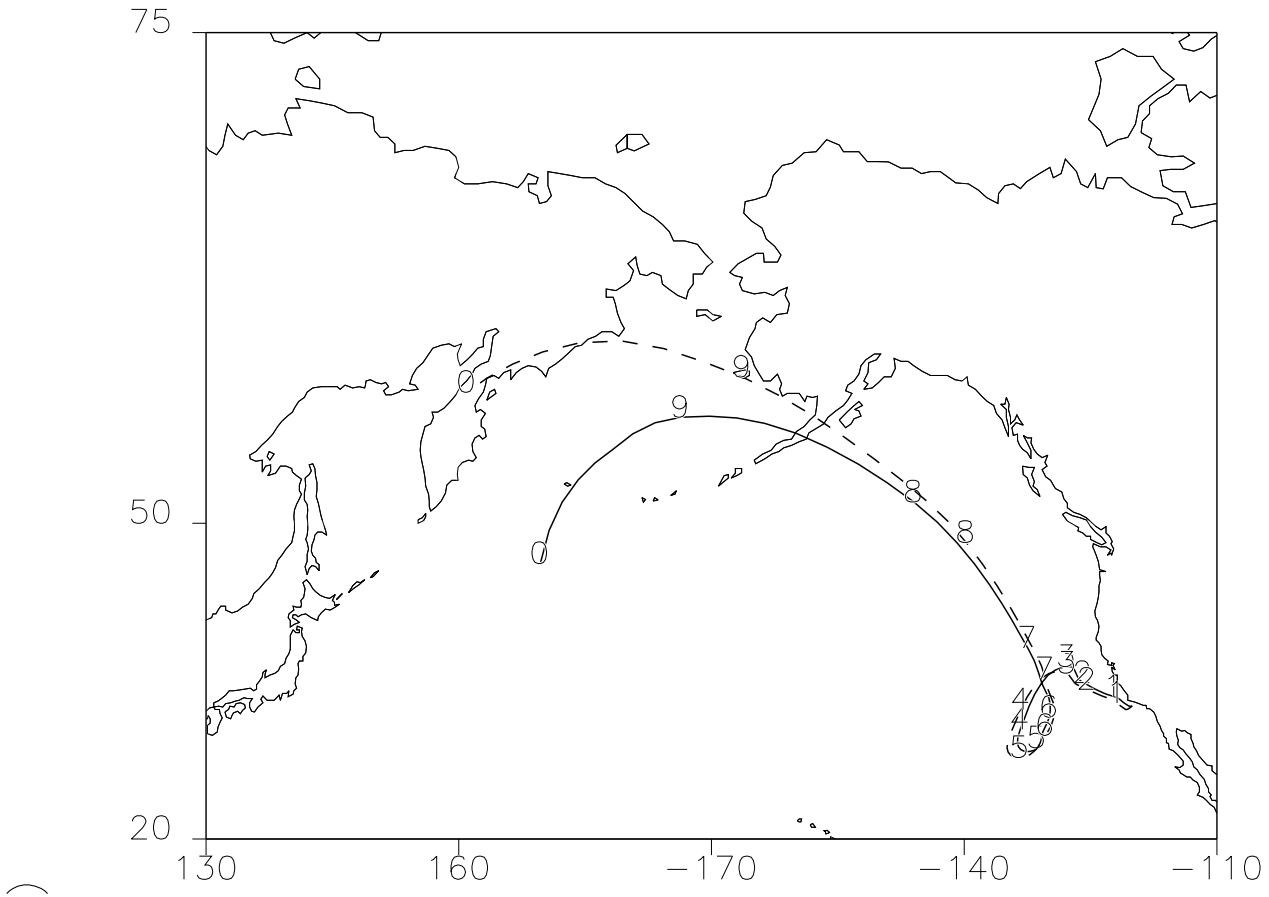
Day	km	hPa	C
0	0.3	981	13
1	0.1	1000	12
2	0.3	986	12
3	0.1	999	14
4	0.6	952	9
5	1.2	891	7
6	2.0	804	1
7	3.5	661	−13
8	4.4	578	−18
9	3.7	649	−9
10	4.0	621	−11

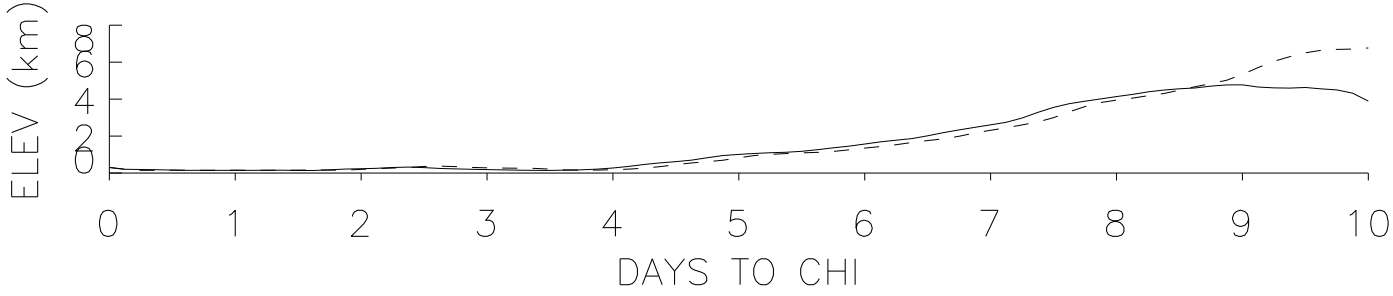
18UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	1000	13
2	0.3	984	12
3	0.2	1000	11
4	0.5	970	11
5	1.1	901	8
6	1.8	829	3
7	2.9	712	−8
8	4.4	583	−19
9	4.2	601	−14
10	3.4	673	−6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/12/2003 (Day of Year 102)
NCEP/NCAR Reanalysis 1 Data Set





00UT

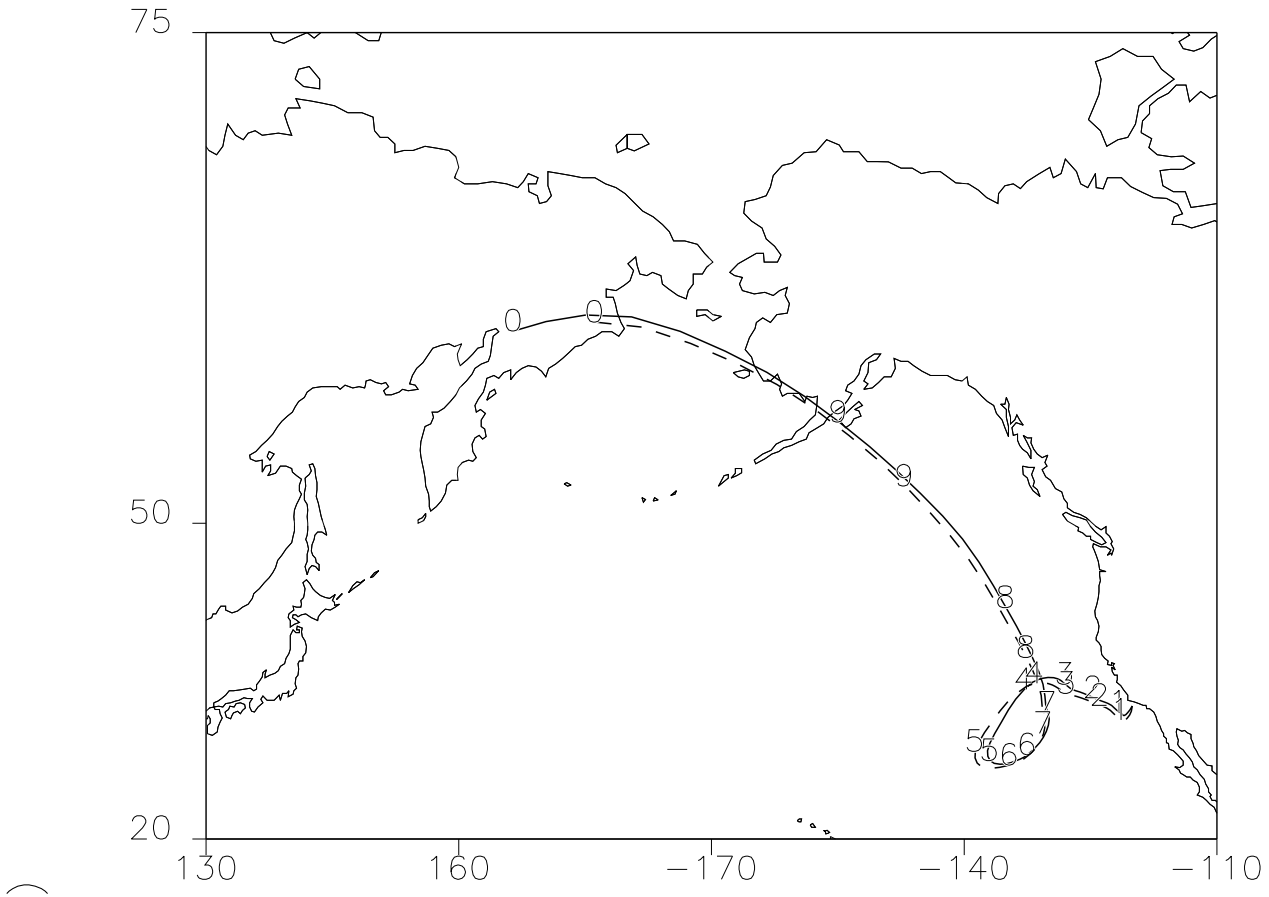
Day	km	hPa	C
0	0.3	980	14
1	0.1	1000	14
2	0.2	988	12
3	0.2	996	11
4	0.3	990	14
5	1.0	909	7
6	1.6	850	6
7	2.6	743	−5
8	4.1	601	−18
9	4.8	553	−19
10	3.9	621	−14

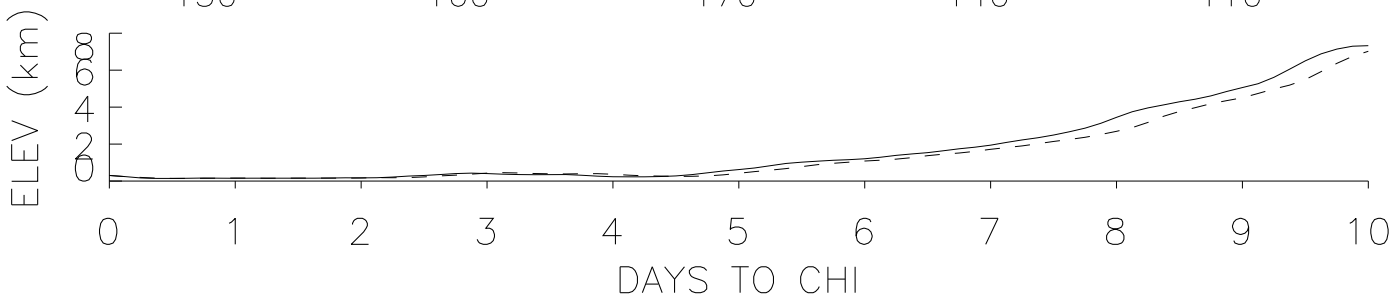
06UT

Day	km	hPa	C
0	0.3	981	12
1	0.2	1000	13
2	0.2	992	11
3	0.3	986	10
4	0.2	999	15
5	0.8	931	8
6	1.4	875	7
7	2.3	773	−2
8	3.9	617	−17
9	5.3	506	−28
10	6.8	404	−40

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/12/2003 (Day of Year 102)
NCEP/NCAR Reanalysis 1 Data Set





12UT

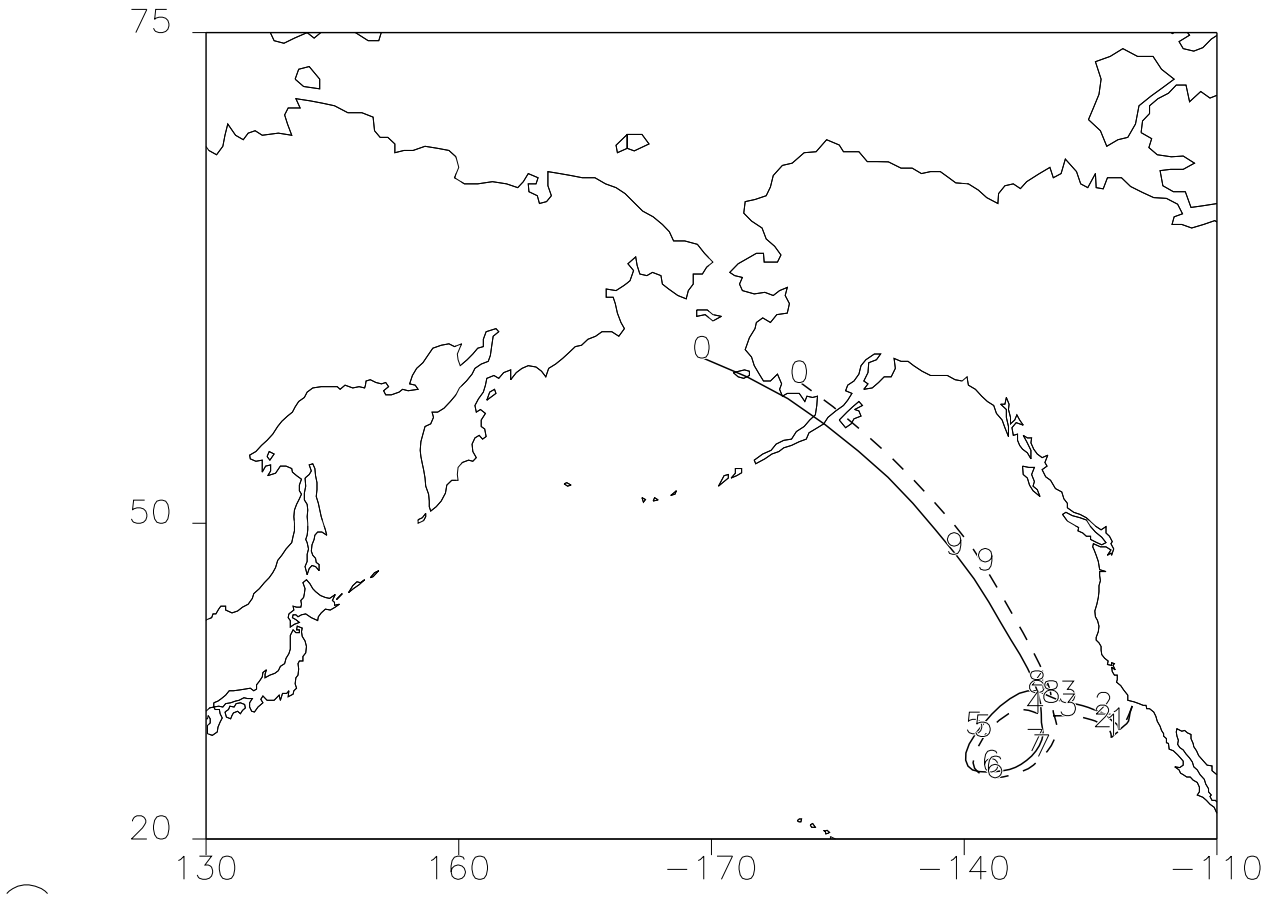
Day	km	hPa	C
0	0.3	980	12
1	0.2	1000	14
2	0.2	996	11
3	0.4	971	11
4	0.2	988	13
5	0.6	952	11
6	1.2	889	8
7	1.9	809	2
8	3.4	662	−13
9	5.1	524	−27
10	7.3	372	−45

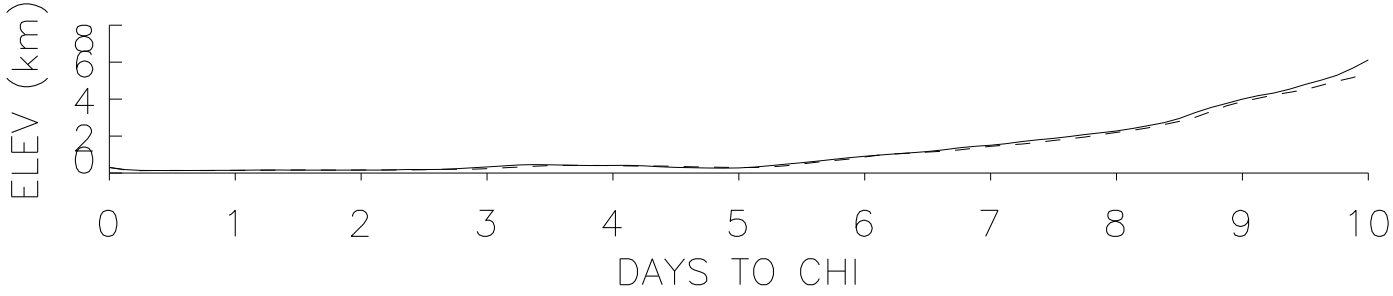
18UT

Day	km	hPa	C
0	0.3	980	13
1	0.2	1000	14
2	0.2	998	12
3	0.4	968	10
4	0.4	975	10
5	0.4	974	14
6	1.1	903	9
7	1.7	835	4
8	2.7	736	−5
9	4.5	568	−22
10	7.0	392	−42

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/13/2003 (Day of Year 103)
NCEP/NCAR Reanalysis 1 Data Set





00UT

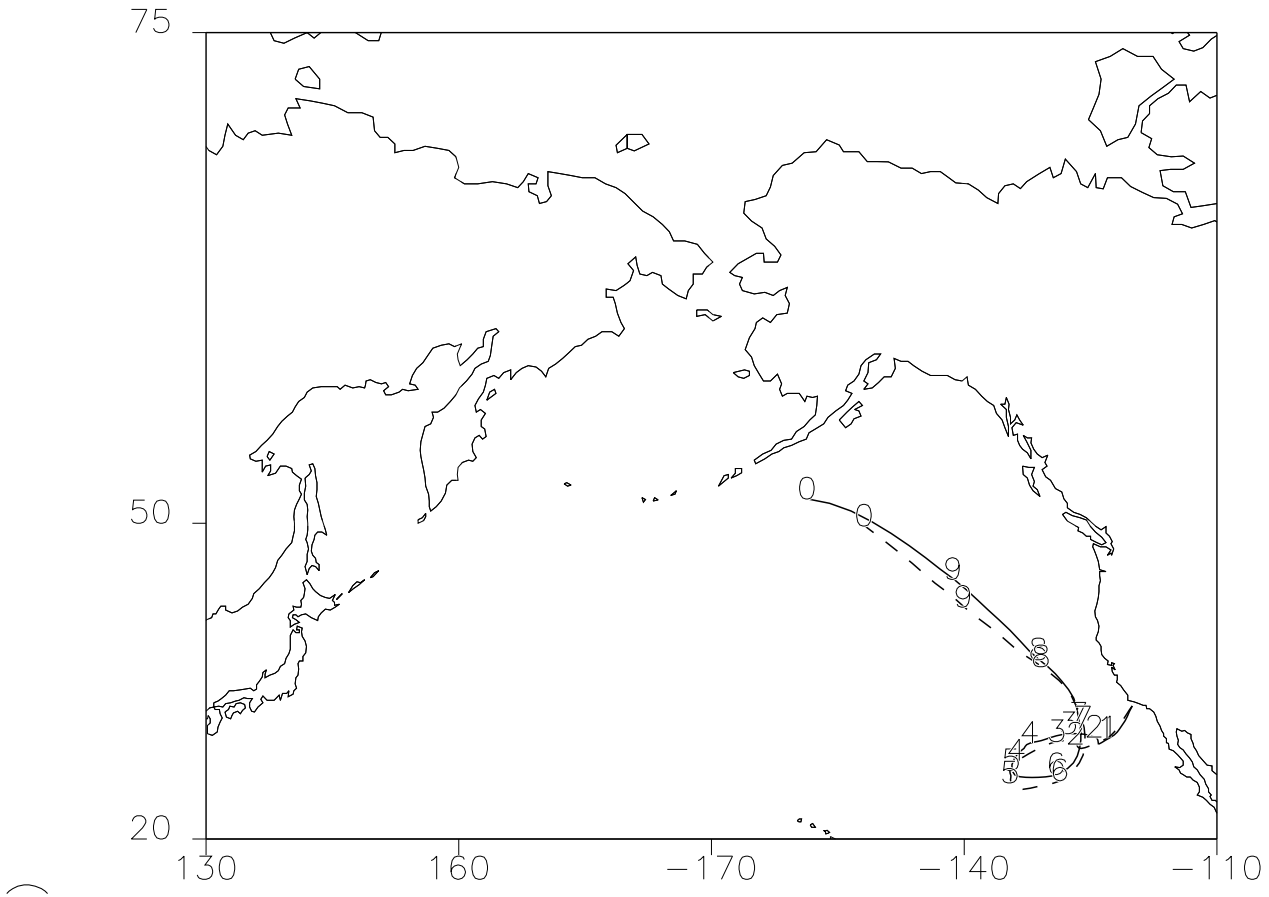
Day	km	hPa	C
0	0.3	979	14
1	0.1	1000	13
2	0.2	1000	12
3	0.3	977	11
4	0.4	970	11
5	0.3	987	16
6	0.9	920	9
7	1.5	856	6
8	2.3	776	0
9	4.0	613	−17
10	6.1	450	−34

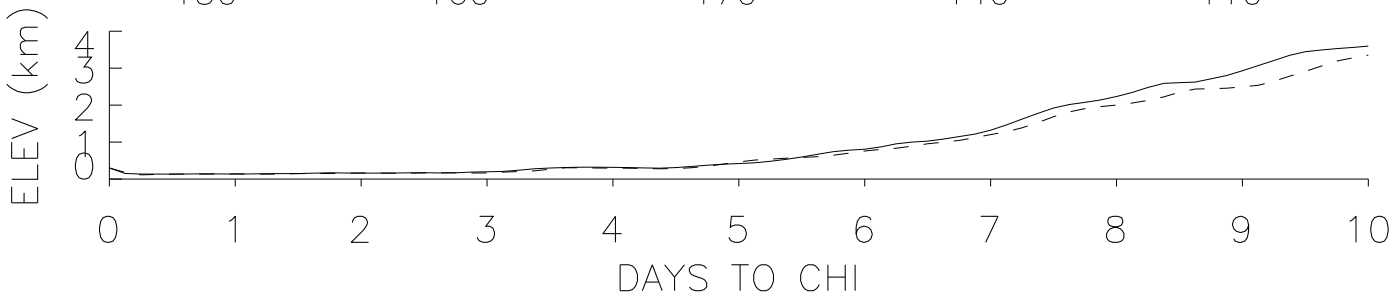
06UT

Day	km	hPa	C
0	0.3	980	12
1	0.1	1000	14
2	0.2	1000	14
3	0.2	989	13
4	0.4	974	11
5	0.3	984	15
6	0.9	925	10
7	1.4	864	7
8	2.2	784	0
9	3.9	623	−17
10	5.4	497	−32

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/13/2003 (Day of Year 103)
NCEP/NCAR Reanalysis 1 Data Set





12UT

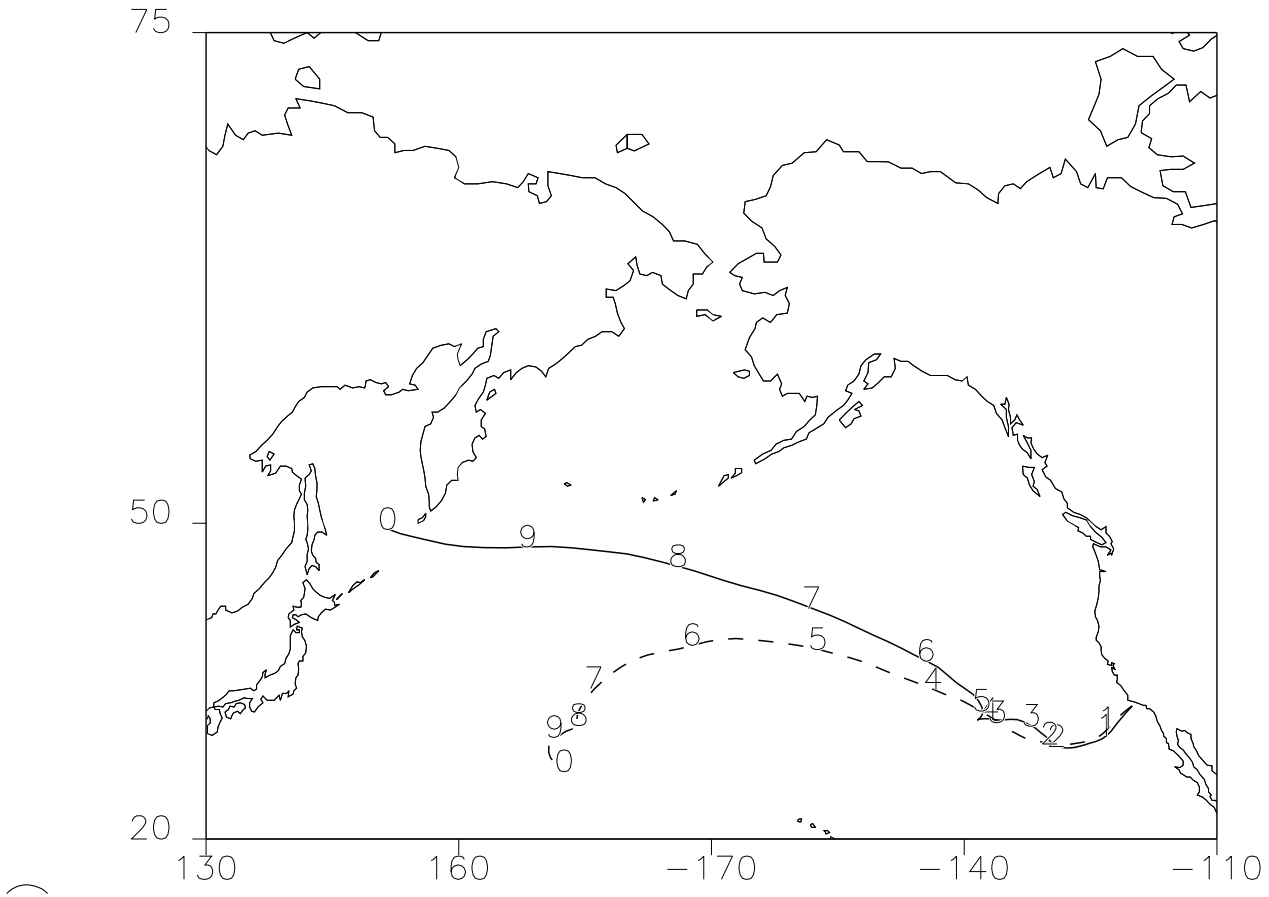
Day	km	hPa	C
0	0.3	978	12
1	0.1	1000	15
2	0.2	1000	16
3	0.2	996	14
4	0.3	983	14
5	0.4	973	14
6	0.8	930	8
7	1.3	875	6
8	2.2	779	−1
9	2.9	712	−7
10	3.6	652	−10

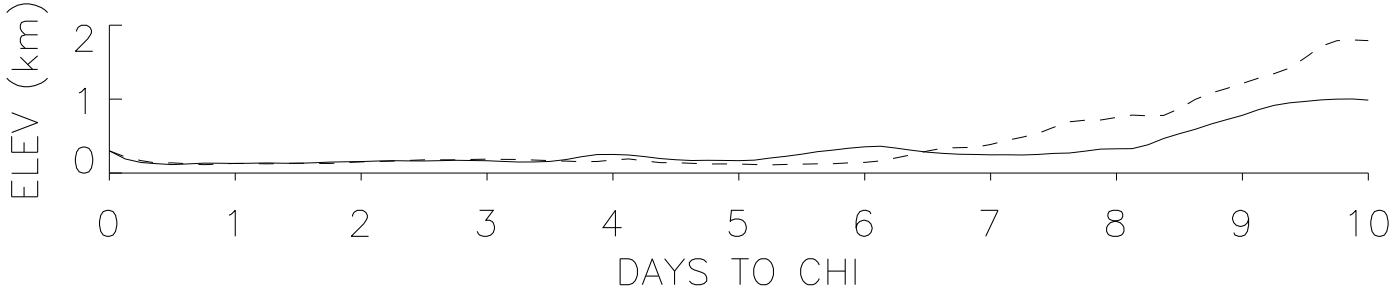
18UT

Day	km	hPa	C
0	0.3	981	14
1	0.1	1000	15
2	0.2	1000	17
3	0.2	999	16
4	0.3	985	16
5	0.5	968	14
6	0.8	937	10
7	1.2	888	7
8	2.0	804	0
9	2.5	756	−4
10	3.4	673	−9

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/14/2003 (Day of Year 104)
NCEP/NCAR Reanalysis 1 Data Set





00UT

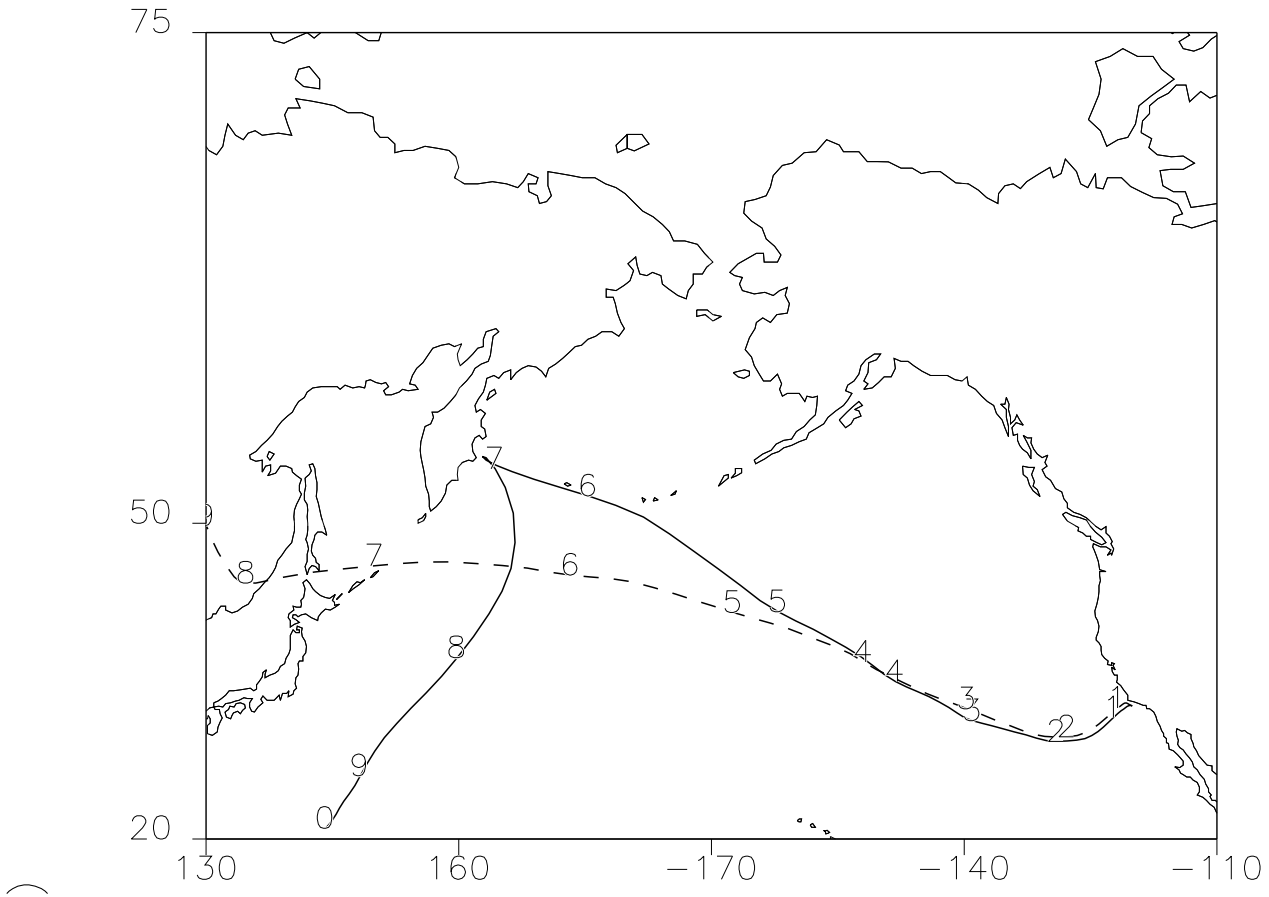
Day	km	hPa	C
0	0.3	980	13
1	0.1	1000	14
2	0.2	1000	17
3	0.2	1000	16
4	0.3	987	13
5	0.2	1000	12
6	0.4	970	7
7	0.2	985	3
8	0.3	981	3
9	0.8	920	−6
10	1.0	893	−10

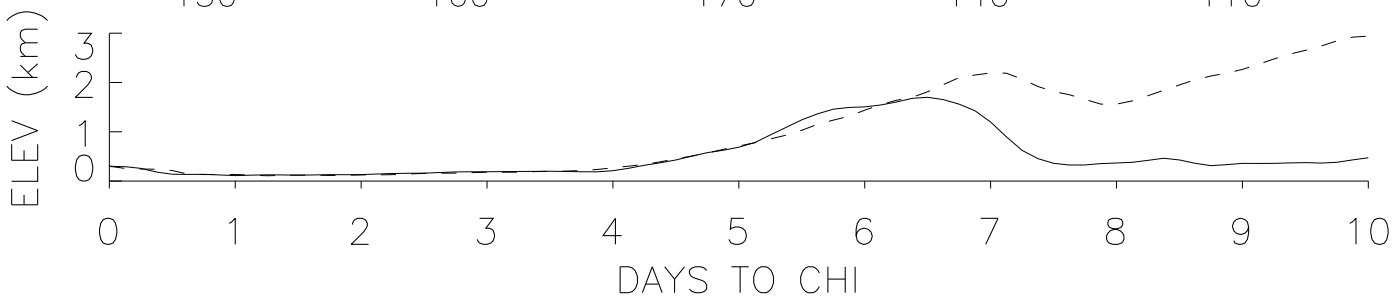
06UT

Day	km	hPa	C
0	0.3	980	12
1	0.1	1000	14
2	0.2	1000	16
3	0.2	1000	13
4	0.2	997	12
5	0.1	1000	10
6	0.1	1000	12
7	0.4	980	13
8	0.8	939	12
9	1.2	886	14
10	1.8	825	15

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/14/2003 (Day of Year 104)
NCEP/NCAR Reanalysis 1 Data Set





12UT

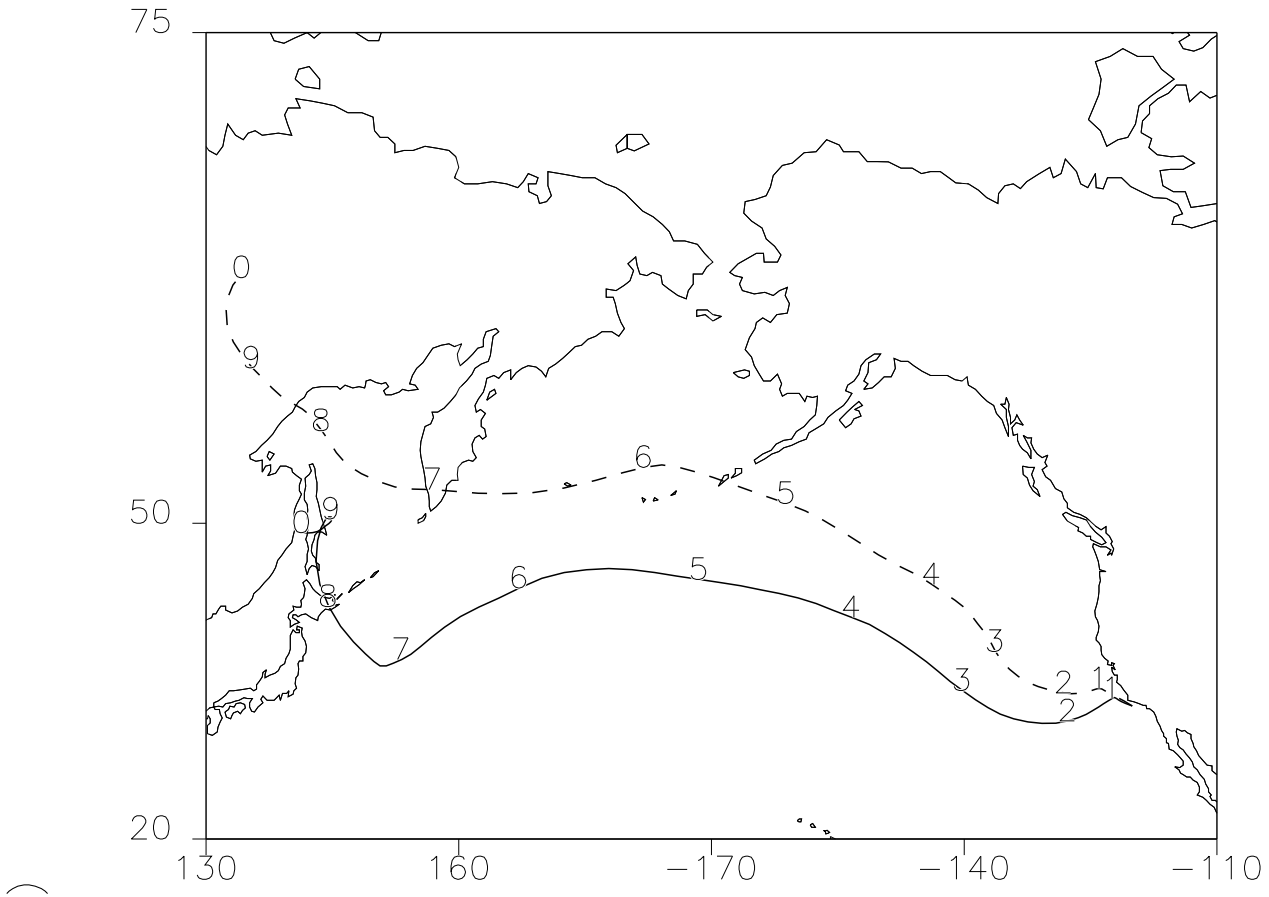
Day	km	hPa	C
0	0.3	979	12
1	0.1	1000	14
2	0.1	1000	15
3	0.2	1000	13
4	0.2	995	9
5	0.7	934	1
6	1.5	823	−6
7	1.2	848	−6
8	0.4	959	15
9	0.4	968	22
10	0.5	957	25

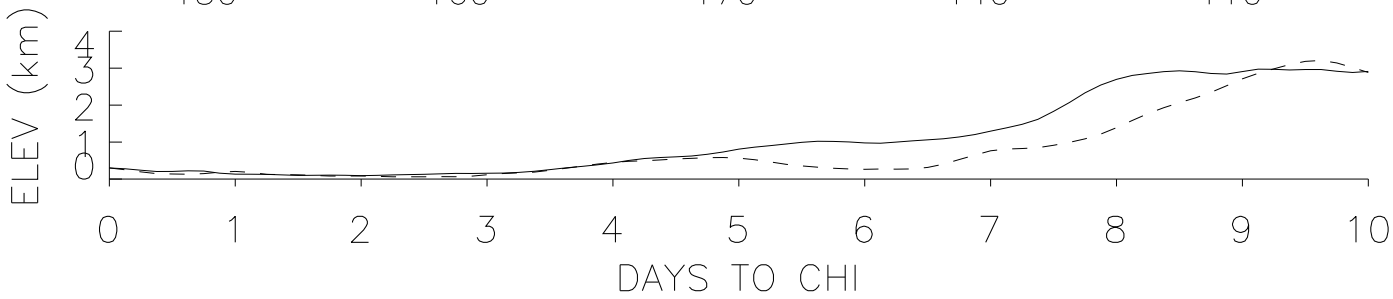
18UT

Day	km	hPa	C
0	0.3	979	13
1	0.1	1000	14
2	0.1	1000	16
3	0.2	1000	12
4	0.3	993	7
5	0.7	938	1
6	1.4	854	−1
7	2.2	769	−10
8	1.6	835	−3
9	2.3	761	−10
10	2.9	696	−18

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/15/2003 (Day of Year 105)
NCEP/NCAR Reanalysis 1 Data Set





00UT

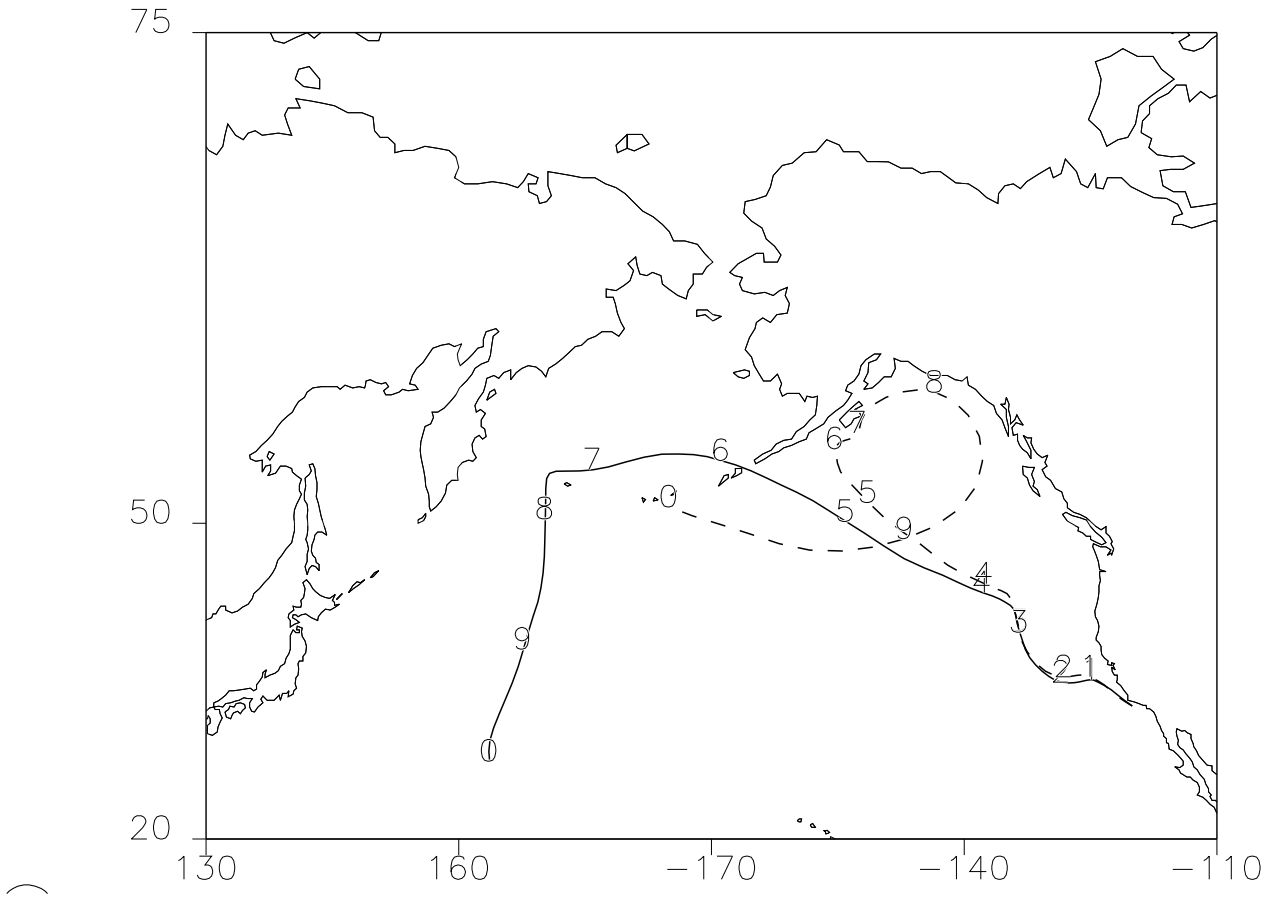
Day	km	hPa	C
0	0.3	977	11
1	0.1	1000	12
2	0.1	1000	15
3	0.2	1000	11
4	0.4	965	5
5	0.8	923	−1
6	1.0	905	1
7	1.3	877	3
8	2.7	719	−11
9	2.9	700	−12
10	2.9	701	−13

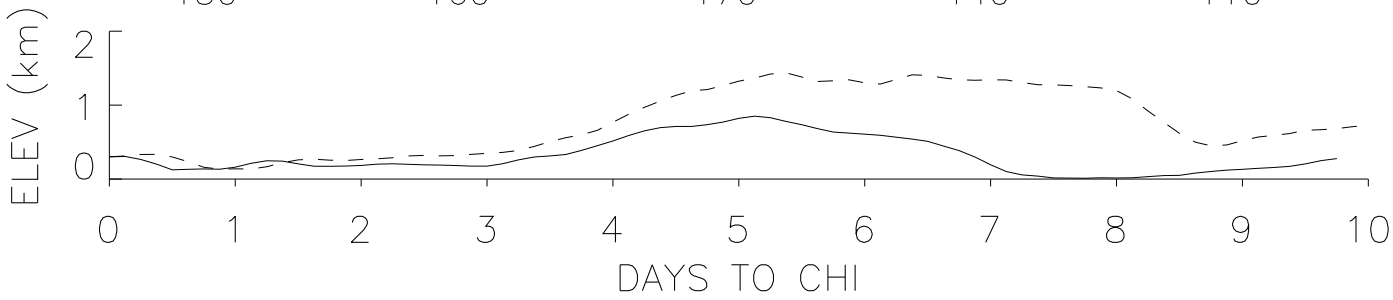
06UT

Day	km	hPa	C
0	0.3	979	10
1	0.2	992	9
2	0.1	1000	12
3	0.1	996	10
4	0.4	953	2
5	0.6	933	−1
6	0.3	964	1
7	0.8	914	−12
8	1.4	843	−21
9	2.7	704	−32
10	2.9	679	−34

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/15/2003 (Day of Year 105)
NCEP/NCAR Reanalysis 1 Data Set





12UT

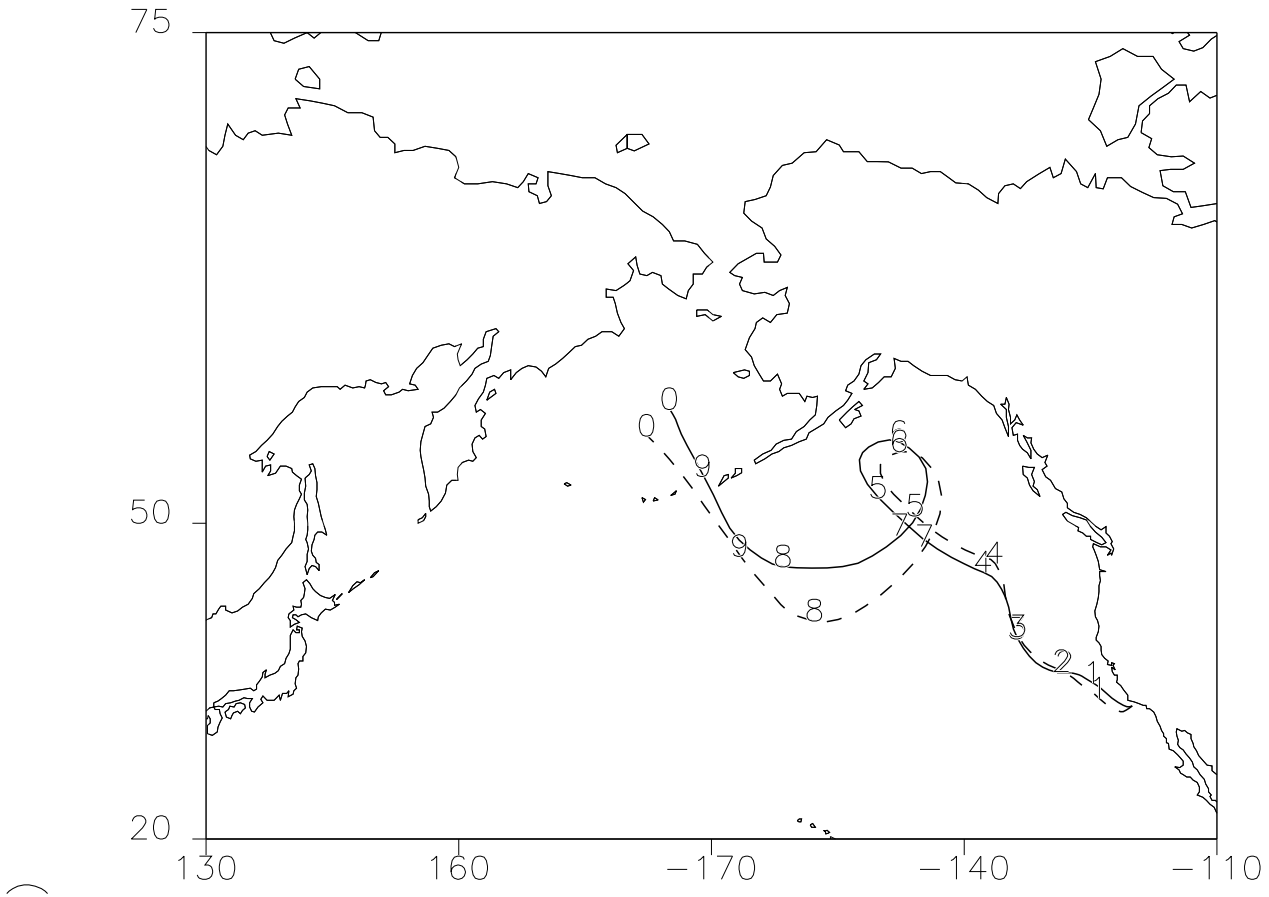
Day	km	hPa	C
0	0.3	982	10
1	0.2	995	9
2	0.2	987	10
3	0.2	984	7
4	0.5	945	1
5	0.8	901	−4
6	0.6	920	−5
7	0.2	966	2
8	0.0	989	4
9	0.1	1000	15
10	0.3	989	20

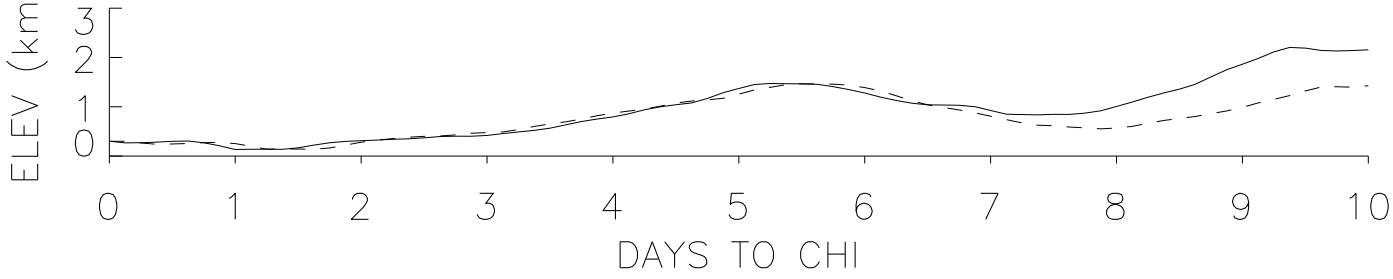
18UT

Day	km	hPa	C
0	0.3	985	12
1	0.1	1000	10
2	0.3	980	9
3	0.3	965	6
4	0.8	918	−1
5	1.3	842	−7
6	1.3	838	−9
7	1.3	833	−7
8	1.2	848	−3
9	0.5	930	1
10	0.7	921	−3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/16/2003 (Day of Year 106)
NCEP/NCAR Reanalysis 1 Data Set





00UT

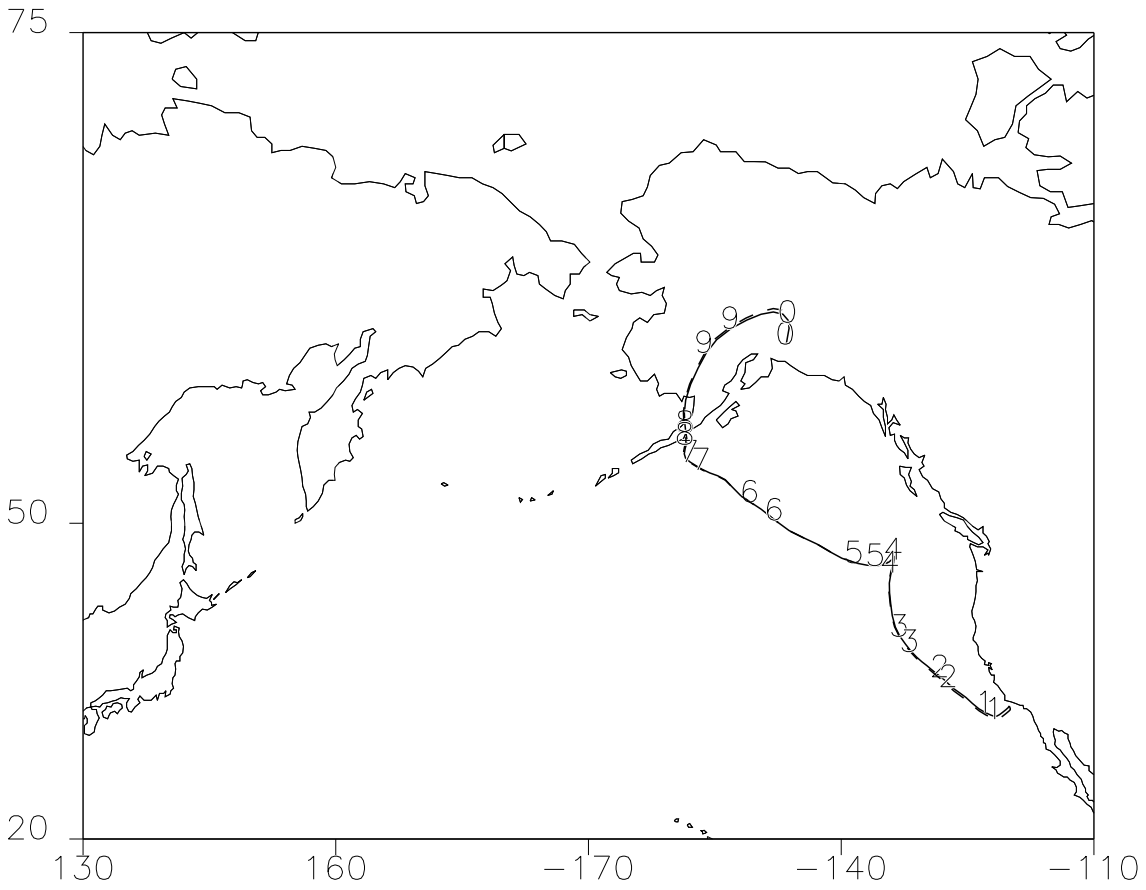
Day	km	hPa	C
0	0.3	984	12
1	0.1	1000	10
2	0.3	976	8
3	0.4	957	6
4	0.8	914	−1
5	1.4	837	−6
6	1.3	843	−4
7	0.9	886	−3
8	1.0	896	−4
9	1.9	802	−10
10	2.2	761	−13

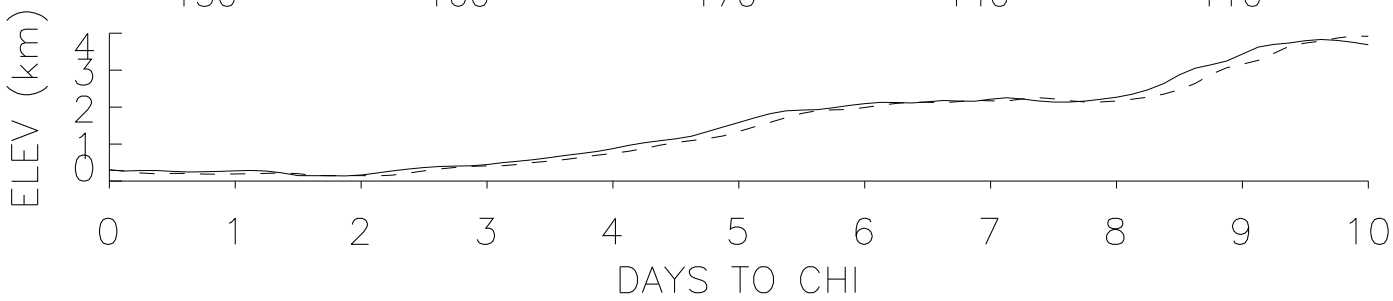
06UT

Day	km	hPa	C
0	0.3	985	12
1	0.3	988	11
2	0.3	981	9
3	0.5	952	6
4	0.9	905	0
5	1.3	853	−5
6	1.4	830	−4
7	0.8	899	0
8	0.6	950	0
9	1.0	900	−2
10	1.4	842	−8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/16/2003 (Day of Year 106)
NCEP/NCAR Reanalysis 1 Data Set





12UT

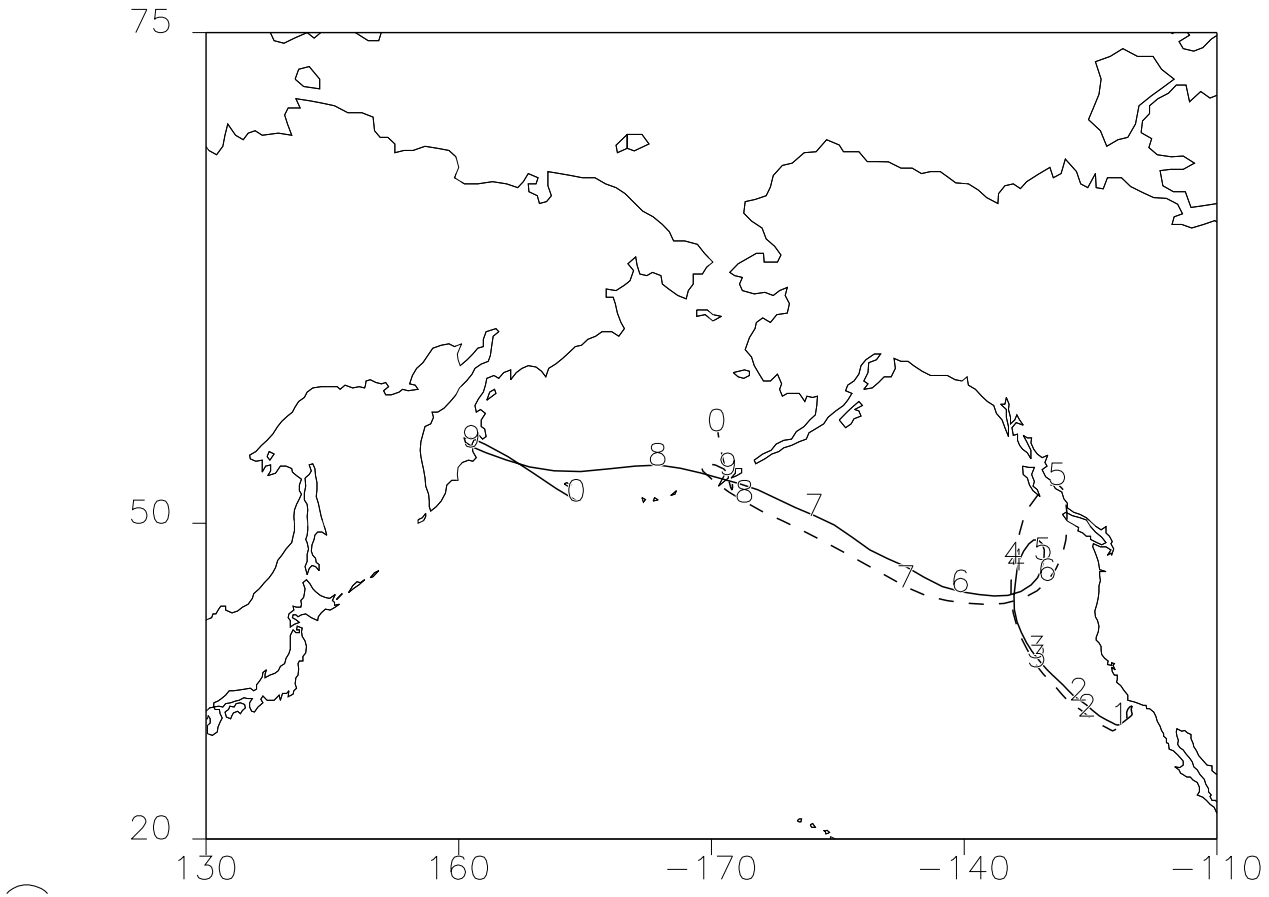
Day	km	hPa	C
0	0.3	982	12
1	0.3	987	11
2	0.2	995	10
3	0.4	955	5
4	0.9	904	−2
5	1.6	822	−8
6	2.1	760	−11
7	2.2	745	−13
8	2.3	742	−13
9	3.4	635	−23
10	3.7	615	−26

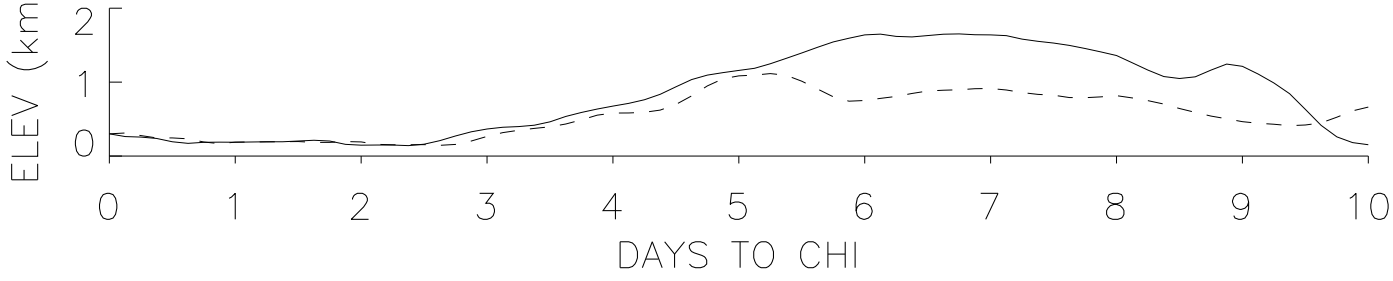
18UT

Day	km	hPa	C
0	0.3	983	13
1	0.2	1000	13
2	0.1	1000	11
3	0.4	962	7
4	0.8	920	1
5	1.3	851	−6
6	2.0	772	−10
7	2.2	749	−13
8	2.2	749	−12
9	3.2	661	−19
10	3.9	595	−29

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/17/2003 (Day of Year 107)
NCEP/NCAR Reanalysis 1 Data Set





00UT

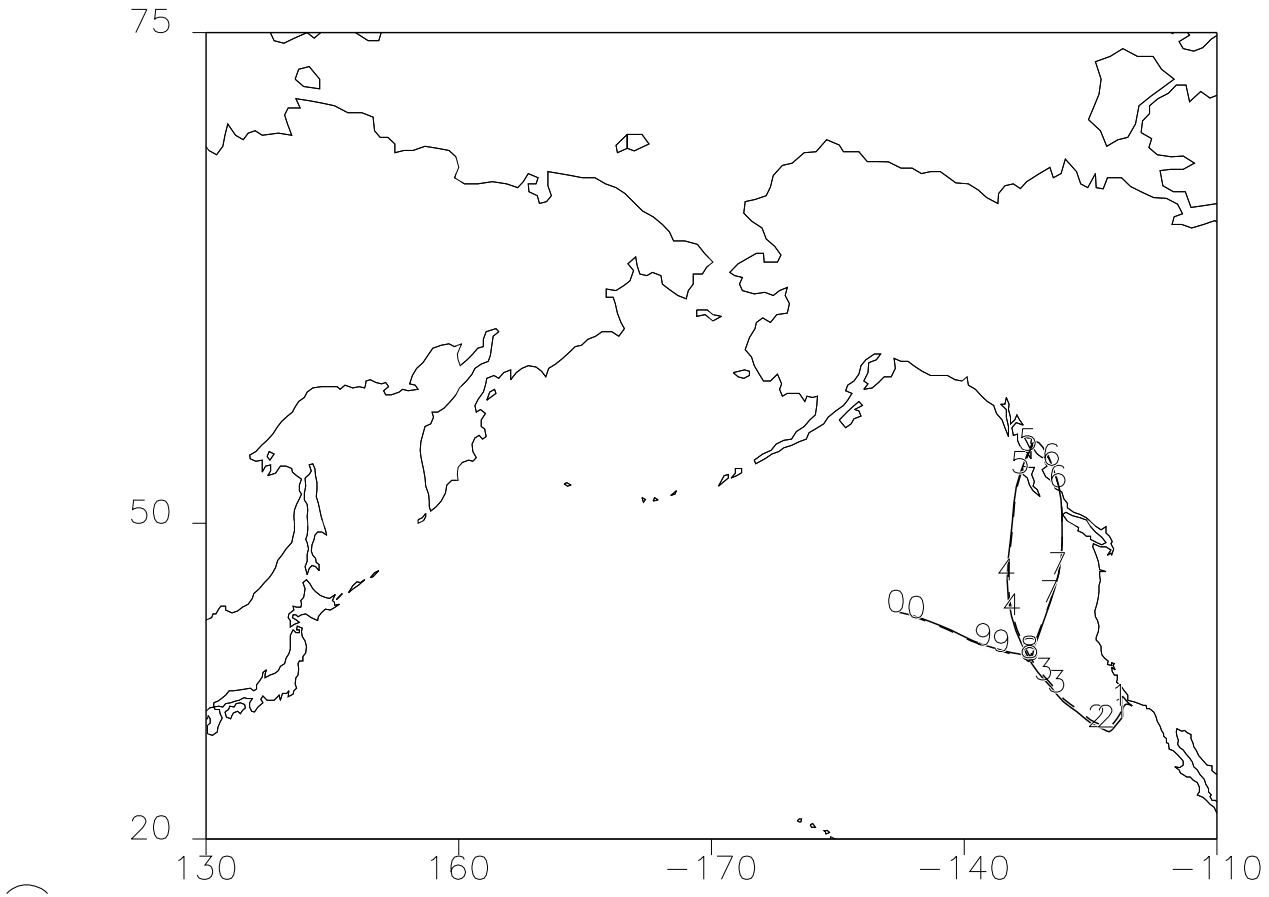
Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	11
2	0.1	1000	11
3	0.4	969	7
4	0.7	929	2
5	1.2	874	−2
6	1.6	817	−7
7	1.6	810	−9
8	1.4	840	−8
9	1.2	847	−7
10	0.2	998	1

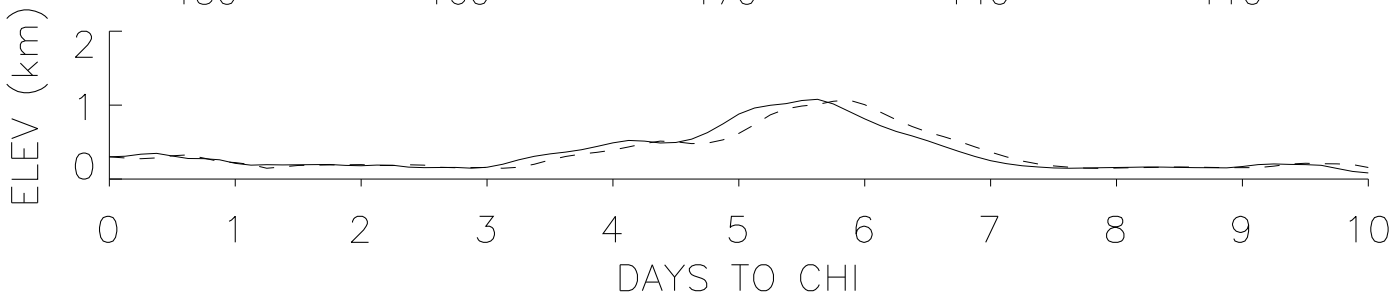
06UT

Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	12
2	0.2	997	12
3	0.3	984	9
4	0.6	941	5
5	1.1	887	0
6	0.8	917	2
7	0.9	892	−2
8	0.8	900	−4
9	0.5	941	−2
10	0.7	933	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/17/2003 (Day of Year 107)
NCEP/NCAR Reanalysis 1 Data Set





12UT

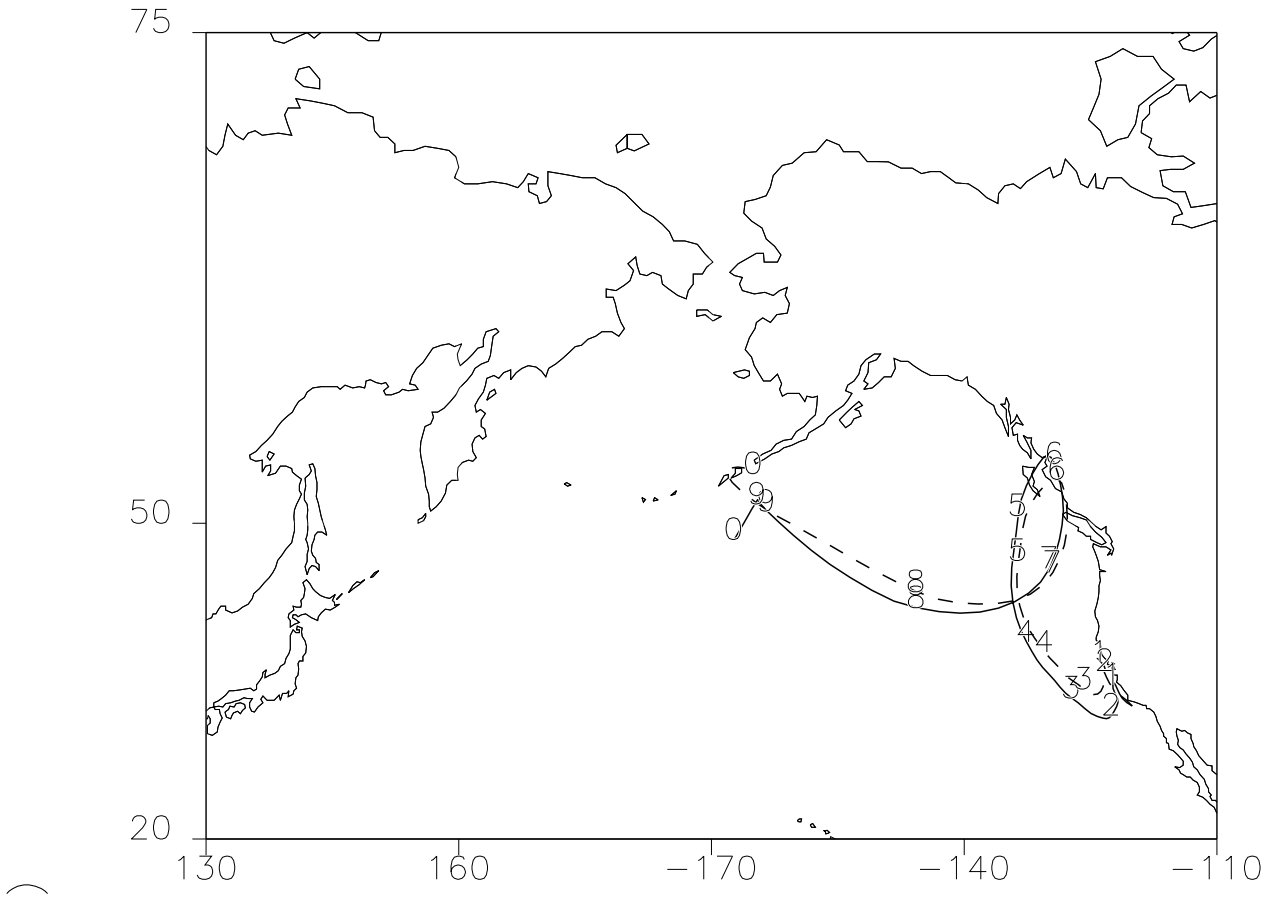
Day	km	hPa	C
0	0.3	978	11
1	0.2	992	13
2	0.2	999	13
3	0.2	997	11
4	0.5	952	4
5	0.9	913	1
6	0.8	908	1
7	0.2	975	9
8	0.2	1000	10
9	0.2	992	9
10	0.1	996	6

18UT

Day	km	hPa	C
0	0.3	979	12
1	0.2	991	13
2	0.2	1000	12
3	0.2	1000	11
4	0.4	966	7
5	0.6	942	4
6	1.0	890	−1
7	0.4	960	7
8	0.1	1000	10
9	0.2	998	10
10	0.2	989	5

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/18/2003 (Day of Year 108)
NCEP/NCAR Reanalysis 1 Data Set

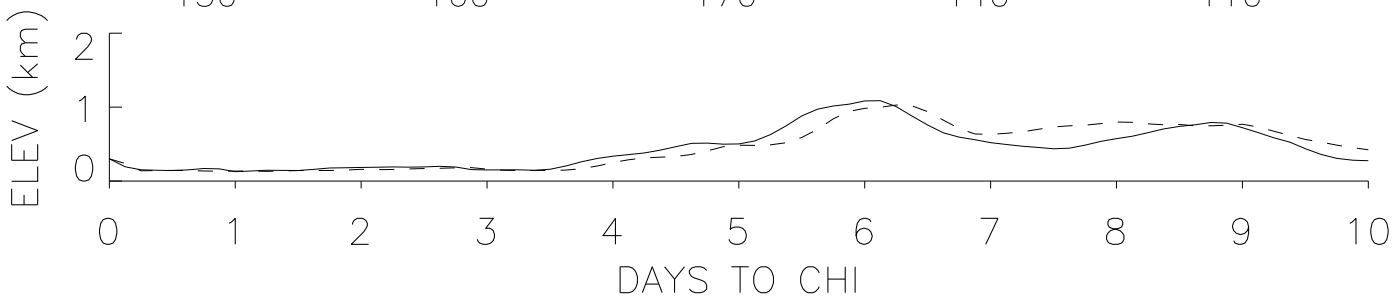


00UT

Day	km	hPa	C
0	0.3	980	12
1	0.1	1000	12
2	0.2	1000	11
3	0.1	1000	11
4	0.3	973	8
5	0.5	952	5
6	1.1	885	0
7	0.5	940	4
8	0.6	933	3
9	0.7	903	−1
10	0.3	977	2

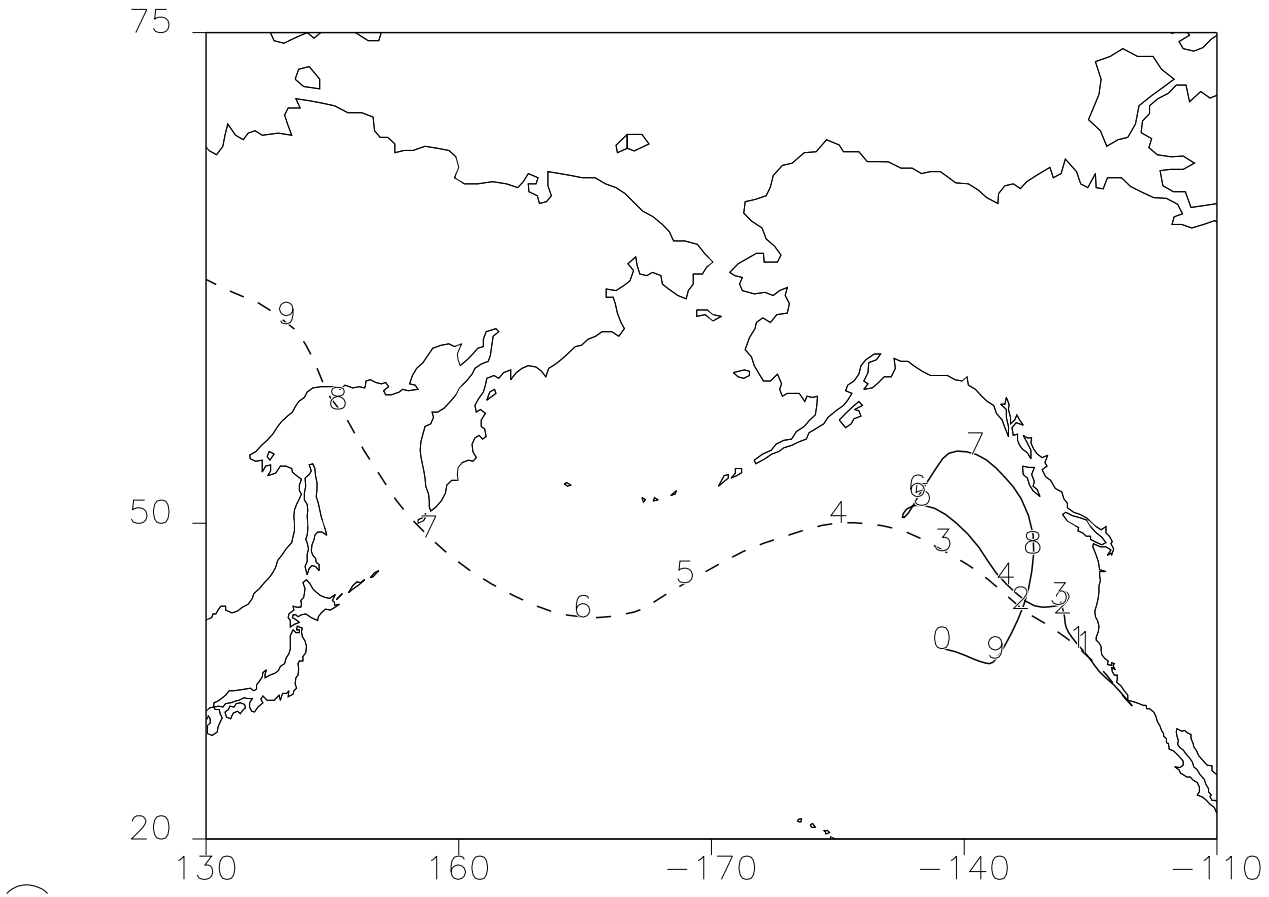
06UT

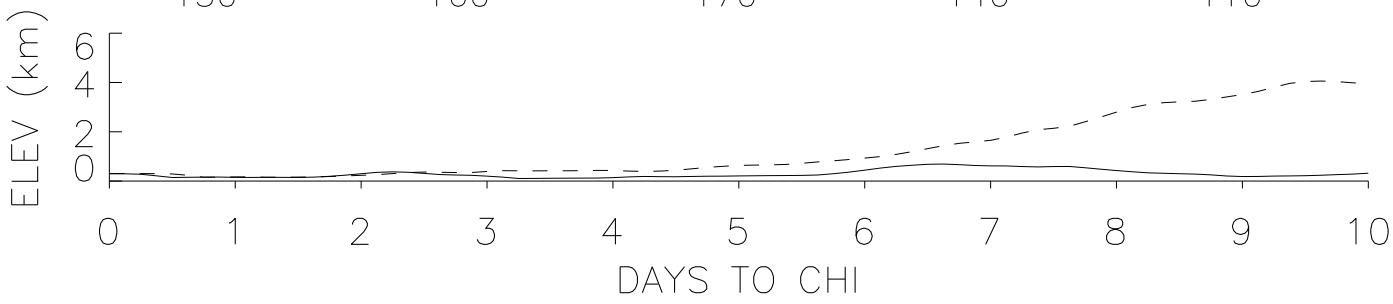
Day	km	hPa	C
0	0.3	981	12
1	0.1	1000	10
2	0.2	999	12
3	0.2	999	11
4	0.3	984	9
5	0.5	952	6
6	1.0	899	0
7	0.6	931	3
8	0.8	905	−1
9	0.8	905	−4
10	0.4	948	−3



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/18/2003 (Day of Year 108)
NCEP/NCAR Reanalysis 1 Data Set





12UT

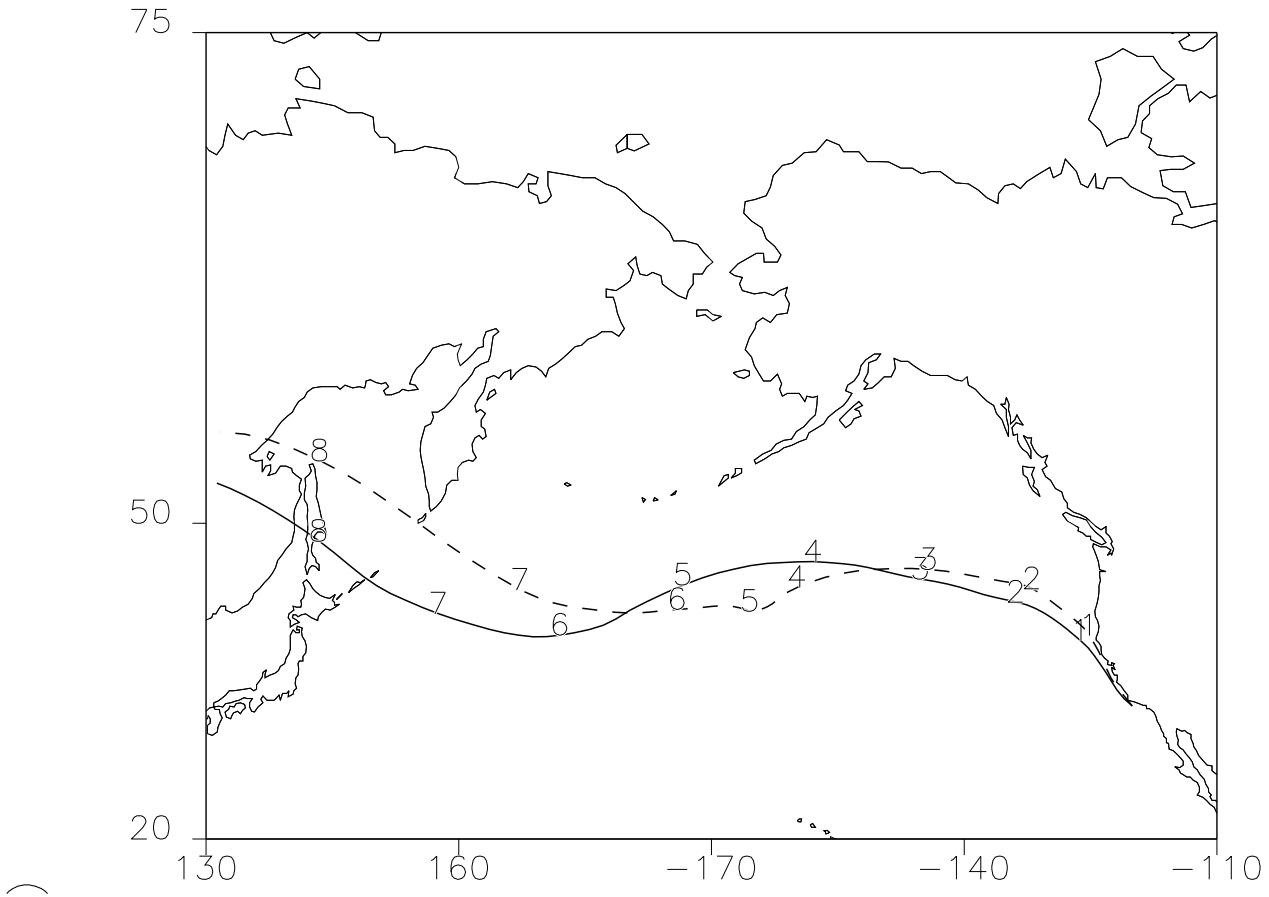
Day	km	hPa	C
0	0.3	981	10
1	0.1	999	9
2	0.3	982	7
3	0.2	987	8
4	0.1	999	7
5	0.2	1000	4
6	0.4	966	3
7	0.6	925	1
8	0.4	948	6
9	0.2	995	9
10	0.3	977	7

18UT

Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	9
2	0.2	994	6
3	0.4	979	3
4	0.4	979	3
5	0.6	956	2
6	0.9	910	−1
7	1.7	814	−10
8	2.8	700	−17
9	3.5	635	−25
10	4.0	595	−28

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/19/2003 (Day of Year 109)
NCEP/NCAR Reanalysis 1 Data Set

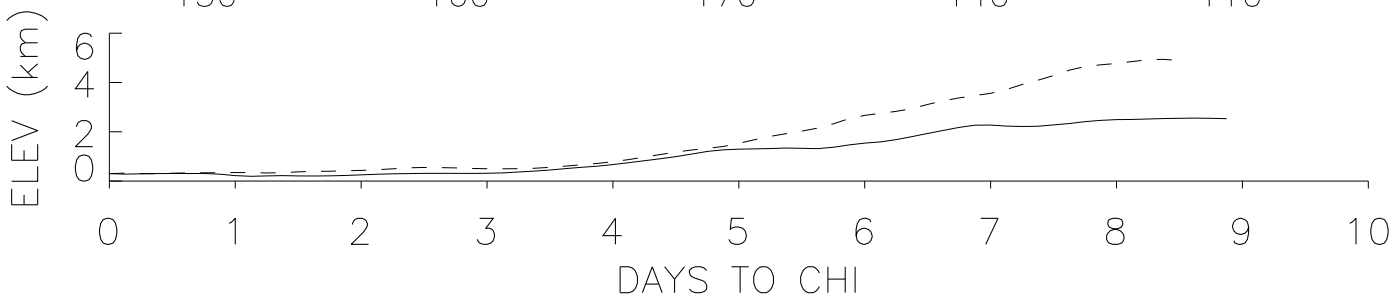


00UT

Day	km	hPa	C
0	0.3	979	12
1	0.2	992	9
2	0.3	989	7
3	0.3	991	4
4	0.7	954	2
5	1.3	883	1
6	1.5	849	−2
7	2.3	765	−8
8	2.5	742	−9

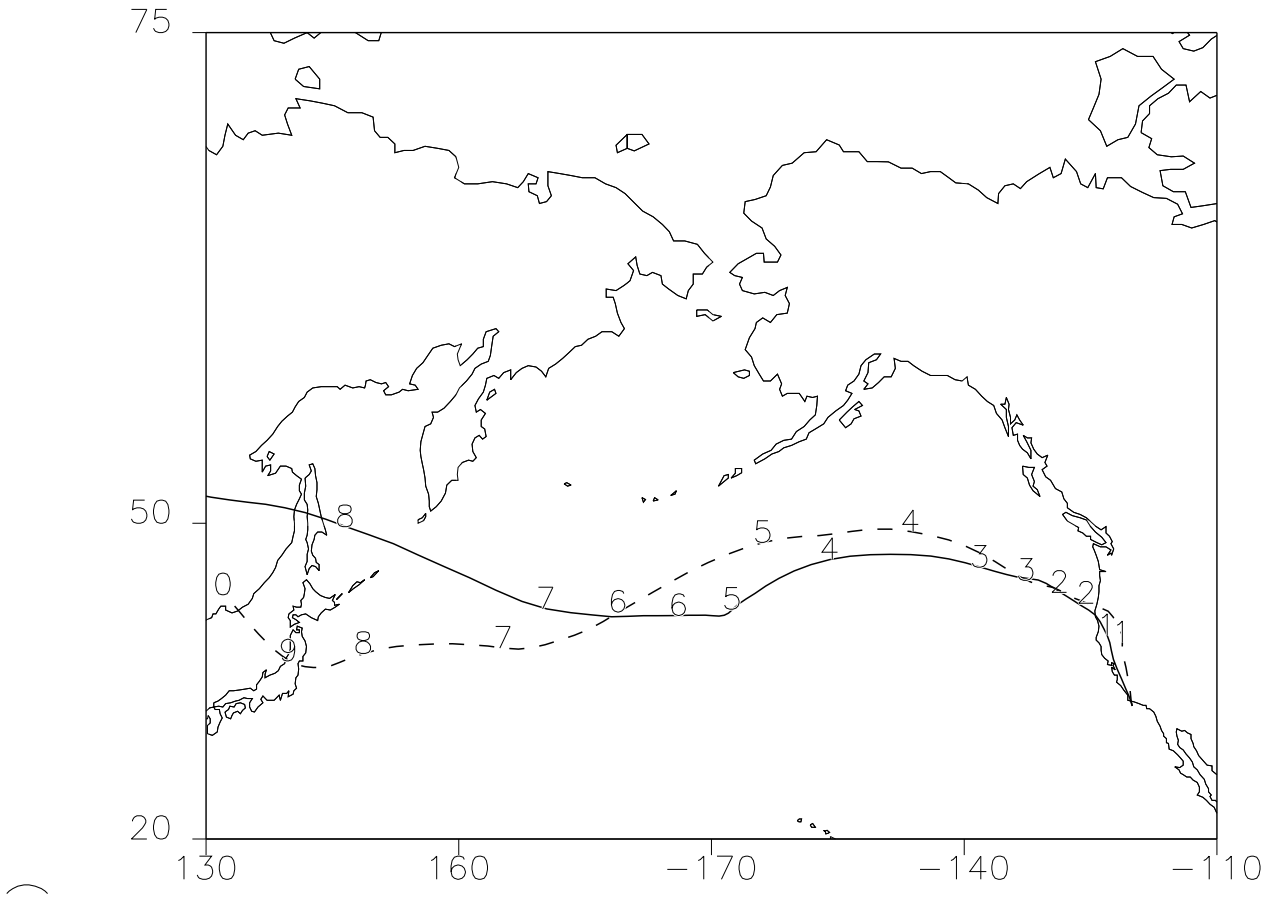
06UT

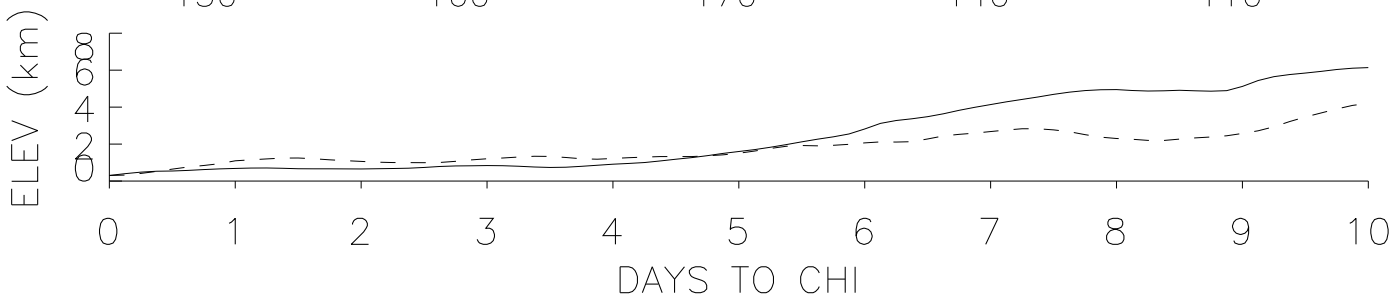
Day	km	hPa	C
0	0.3	981	12
1	0.3	978	7
2	0.4	965	5
3	0.5	965	4
4	0.8	943	2
5	1.5	862	3
6	2.7	737	−7
7	3.6	637	−17
8	4.8	539	−29



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/19/2003 (Day of Year 109)
NCEP/NCAR Reanalysis 1 Data Set





12UT

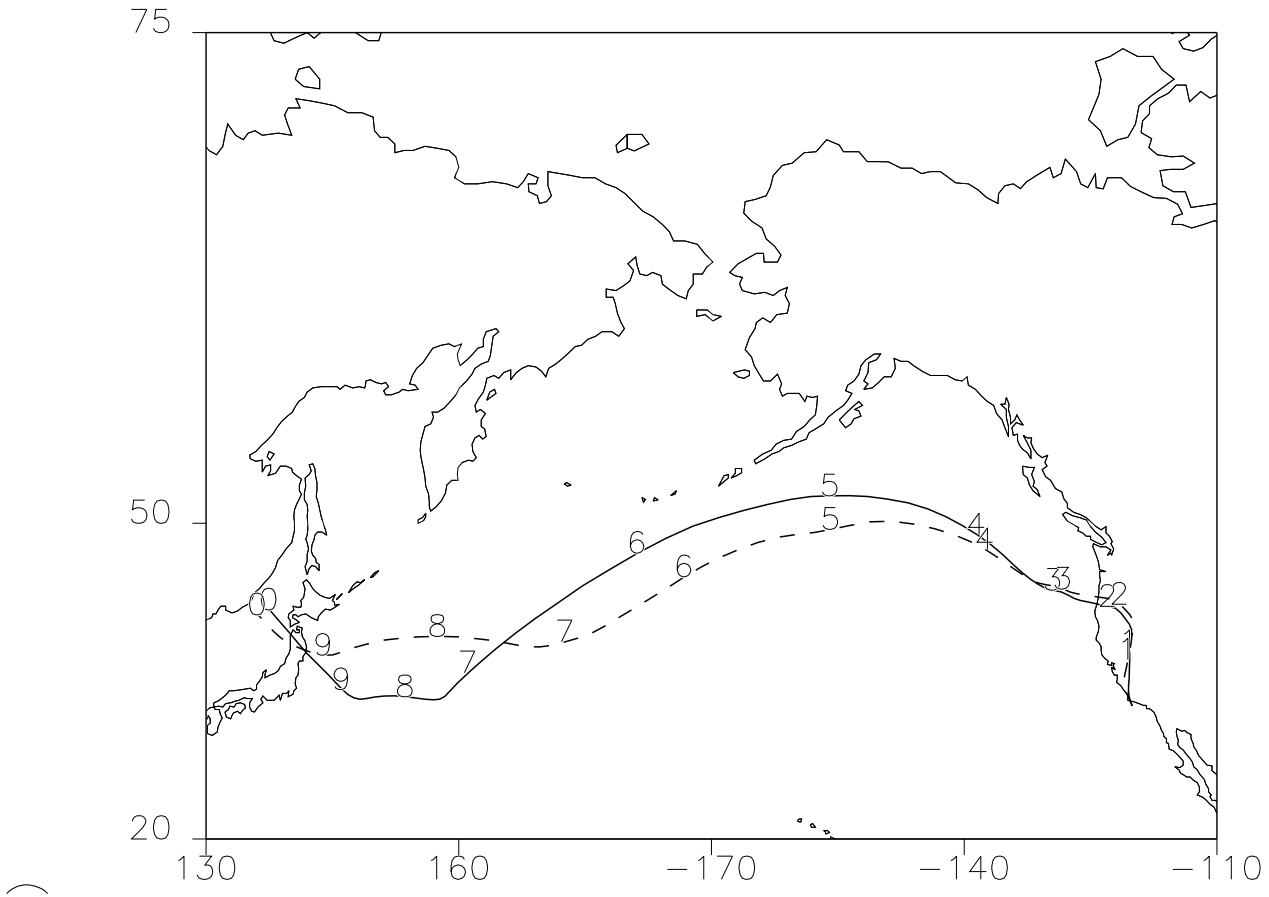
Day	km	hPa	C
0	0.3	981	11
1	0.7	938	4
2	0.7	937	3
3	0.8	921	1
4	0.9	922	0
5	1.6	854	2
6	2.8	727	−7
7	4.1	597	−20
8	4.9	532	−25
9	5.1	522	−27
10	6.1	452	−35

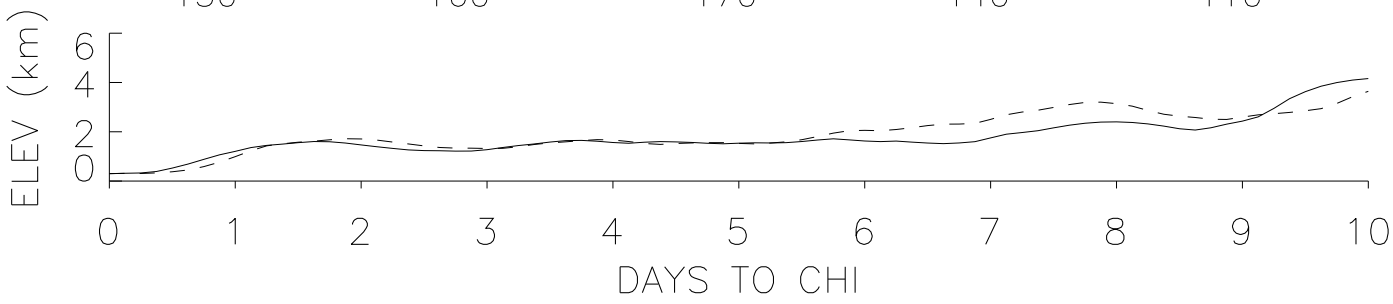
18UT

Day	km	hPa	C
0	0.3	984	14
1	1.1	892	4
2	1.1	893	2
3	1.2	879	0
4	1.2	881	0
5	1.5	858	1
6	2.1	800	−2
7	2.7	734	−6
8	2.3	768	−4
9	2.6	745	−6
10	4.2	594	−21

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/20/2003 (Day of Year 110)
NCEP/NCAR Reanalysis 1 Data Set





00UT

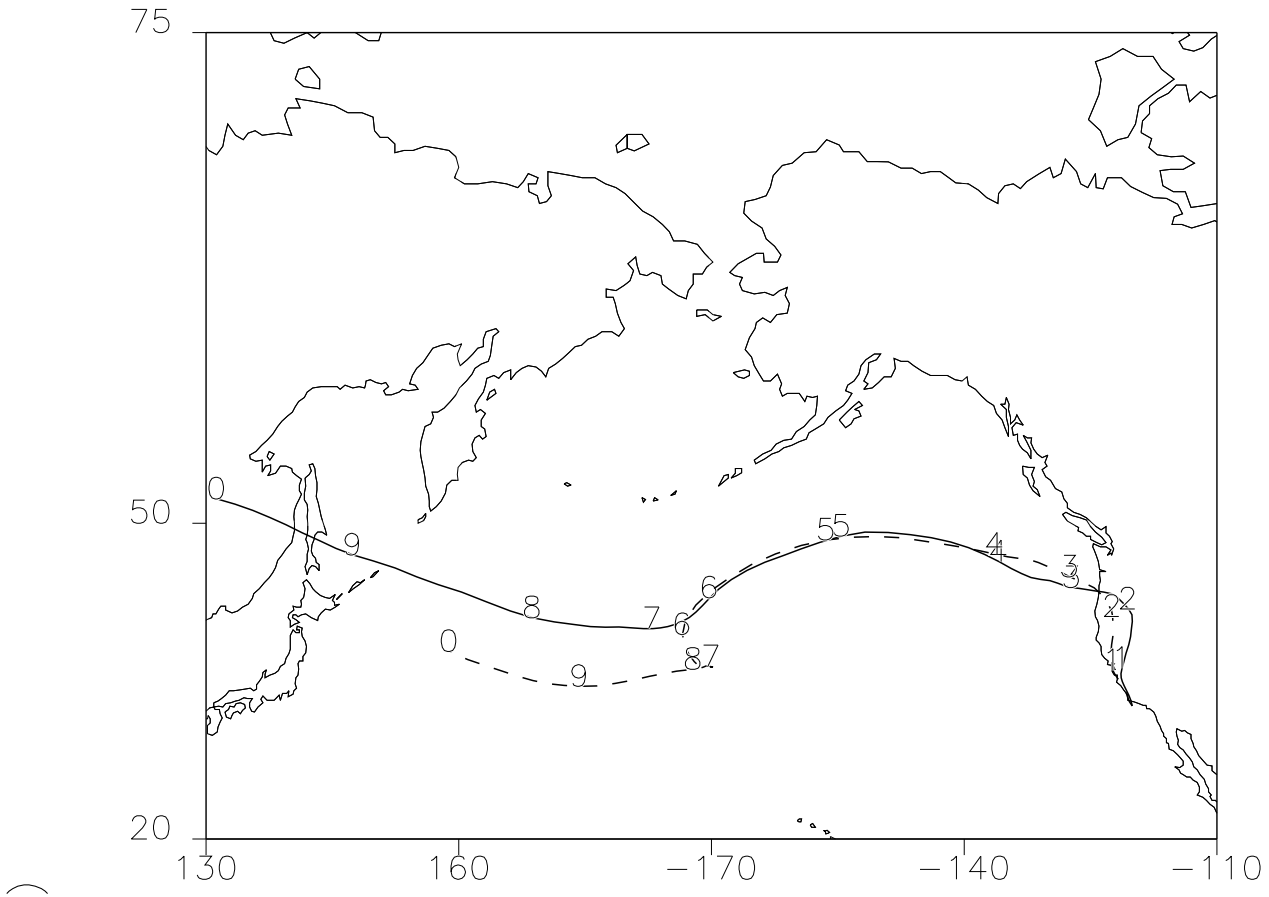
Day	km	hPa	C
0	0.3	981	15
1	1.2	879	7
2	1.5	848	0
3	1.3	870	−1
4	1.6	840	−4
5	1.5	849	0
6	1.6	836	0
7	1.8	828	2
8	2.4	764	−2
9	2.4	761	−5
10	4.2	599	−22

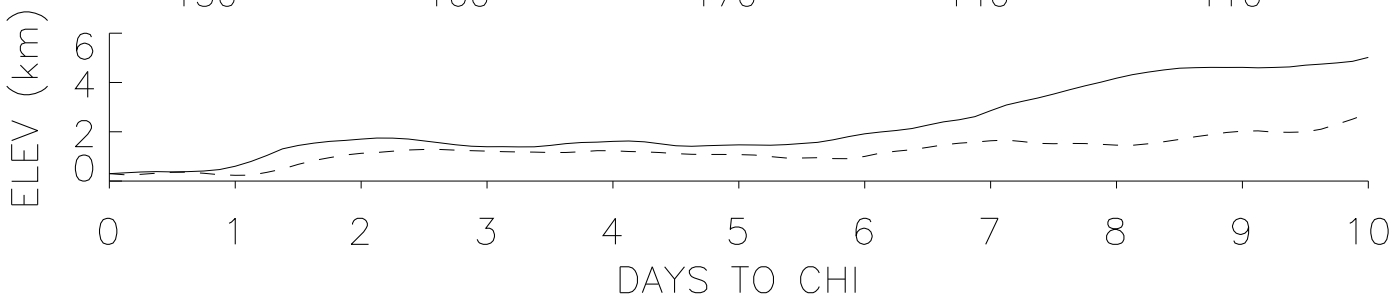
06UT

Day	km	hPa	C
0	0.3	982	14
1	1.0	904	5
2	1.7	824	−3
3	1.3	864	0
4	1.7	830	−4
5	1.5	852	1
6	2.1	801	−1
7	2.5	754	−4
8	3.1	687	−10
9	2.6	743	−3
10	3.6	645	−16

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/20/2003 (Day of Year 110)
NCEP/NCAR Reanalysis 1 Data Set





12UT

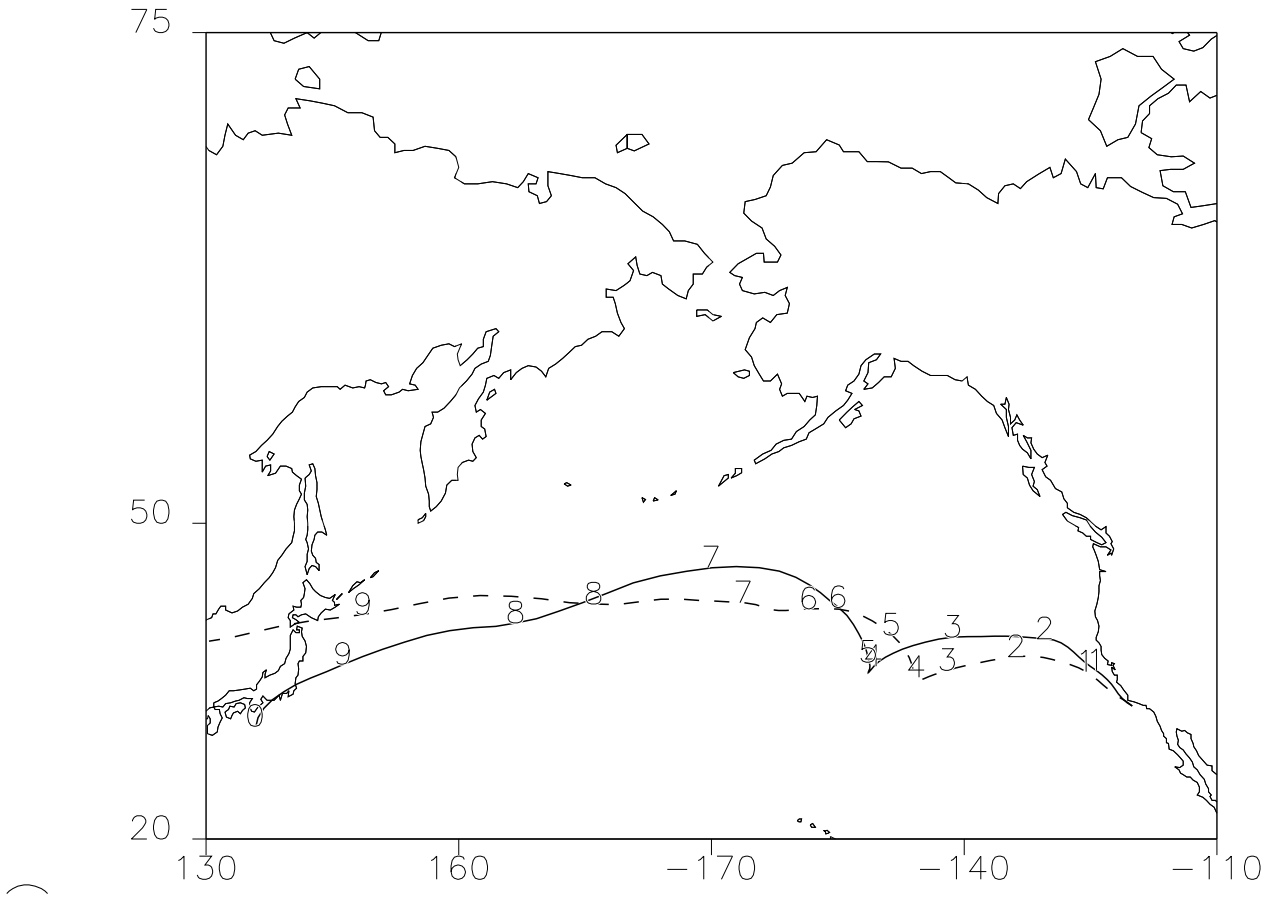
Day	km	hPa	C
0	0.3	982	12
1	0.6	949	6
2	1.7	825	−4
3	1.4	854	−2
4	1.6	835	−3
5	1.5	857	1
6	1.9	820	1
7	2.9	724	−7
8	4.2	596	−20
9	4.6	560	−22
10	5.0	529	−28

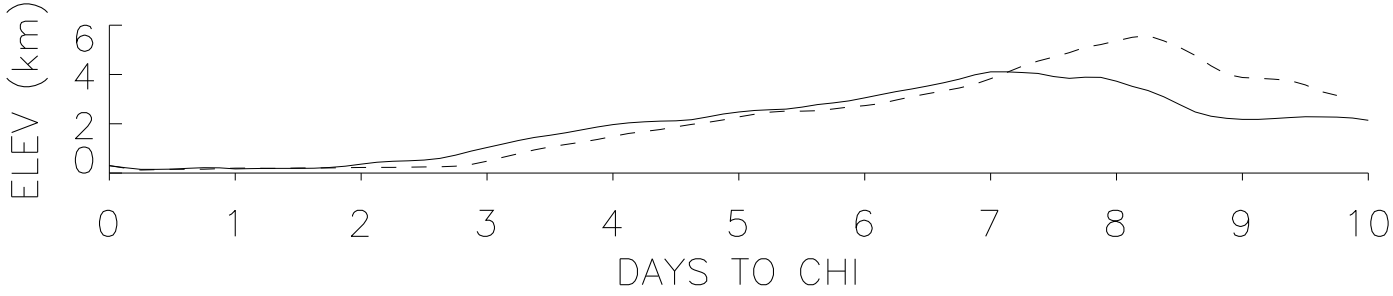
18UT

Day	km	hPa	C
0	0.3	981	16
1	0.2	993	13
2	1.1	891	1
3	1.2	875	−1
4	1.2	873	0
5	1.1	898	1
6	1.0	917	7
7	1.6	847	4
8	1.5	860	6
9	2.0	789	−4
10	2.7	713	−16

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/21/2003 (Day of Year 111)
NCEP/NCAR Reanalysis 1 Data Set





00UT

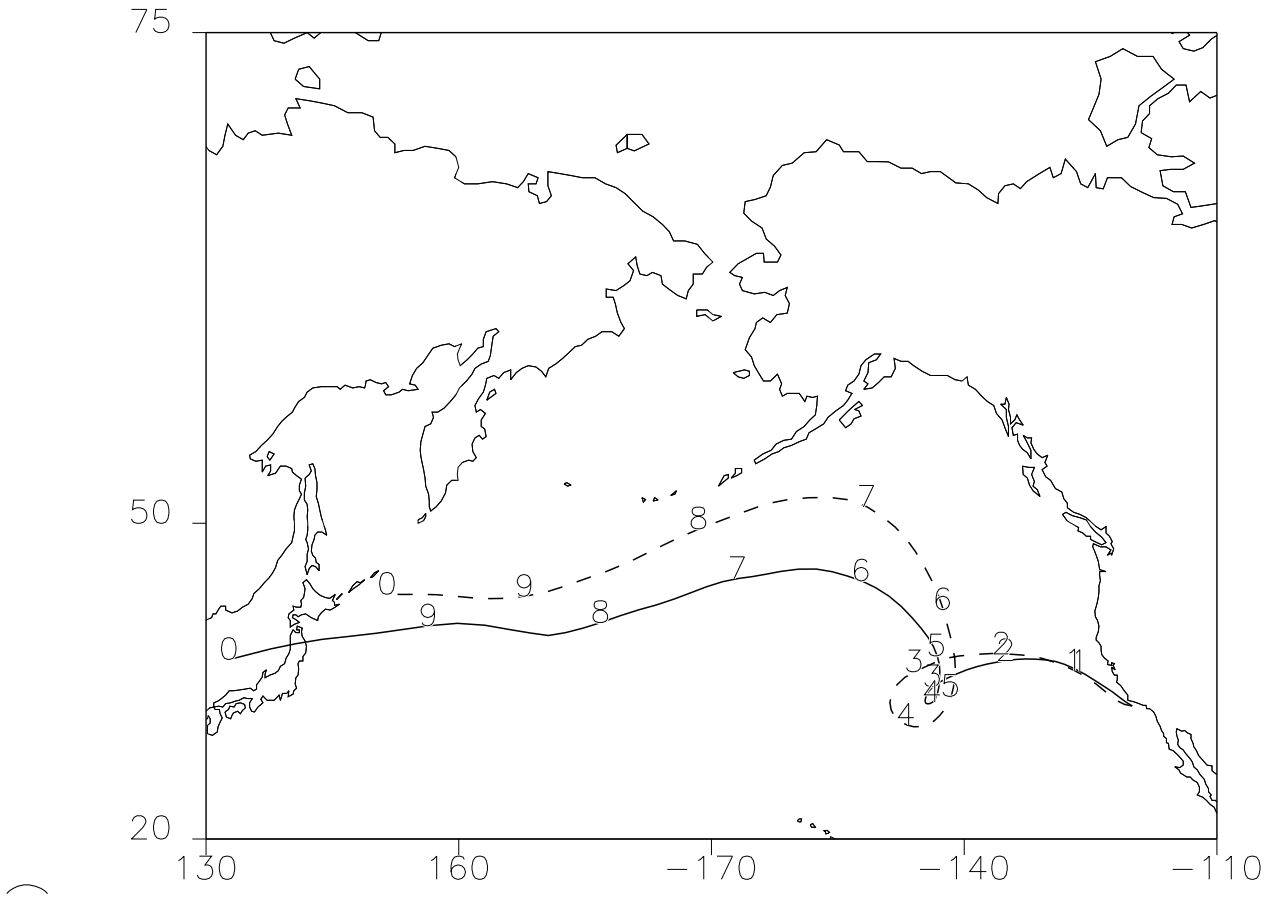
Day	km	hPa	C
0	0.3	978	14
1	0.2	1000	14
2	0.4	982	8
3	1.0	906	3
4	2.0	813	5
5	2.5	766	1
6	3.1	712	−4
7	4.1	615	−14
8	3.7	639	−11
9	2.2	781	0
10	2.1	791	3

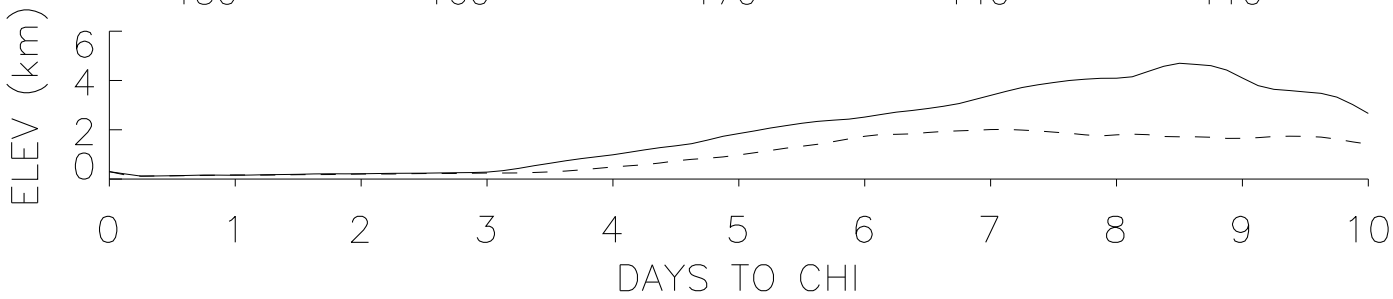
06UT

Day	km	hPa	C
0	0.3	977	13
1	0.2	996	12
2	0.2	1000	10
3	0.5	973	8
4	1.5	861	5
5	2.3	782	2
6	2.7	742	0
7	3.8	645	−8
8	5.4	514	−23
9	3.9	620	−13

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/21/2003 (Day of Year 111)
NCEP/NCAR Reanalysis 1 Data Set





12UT

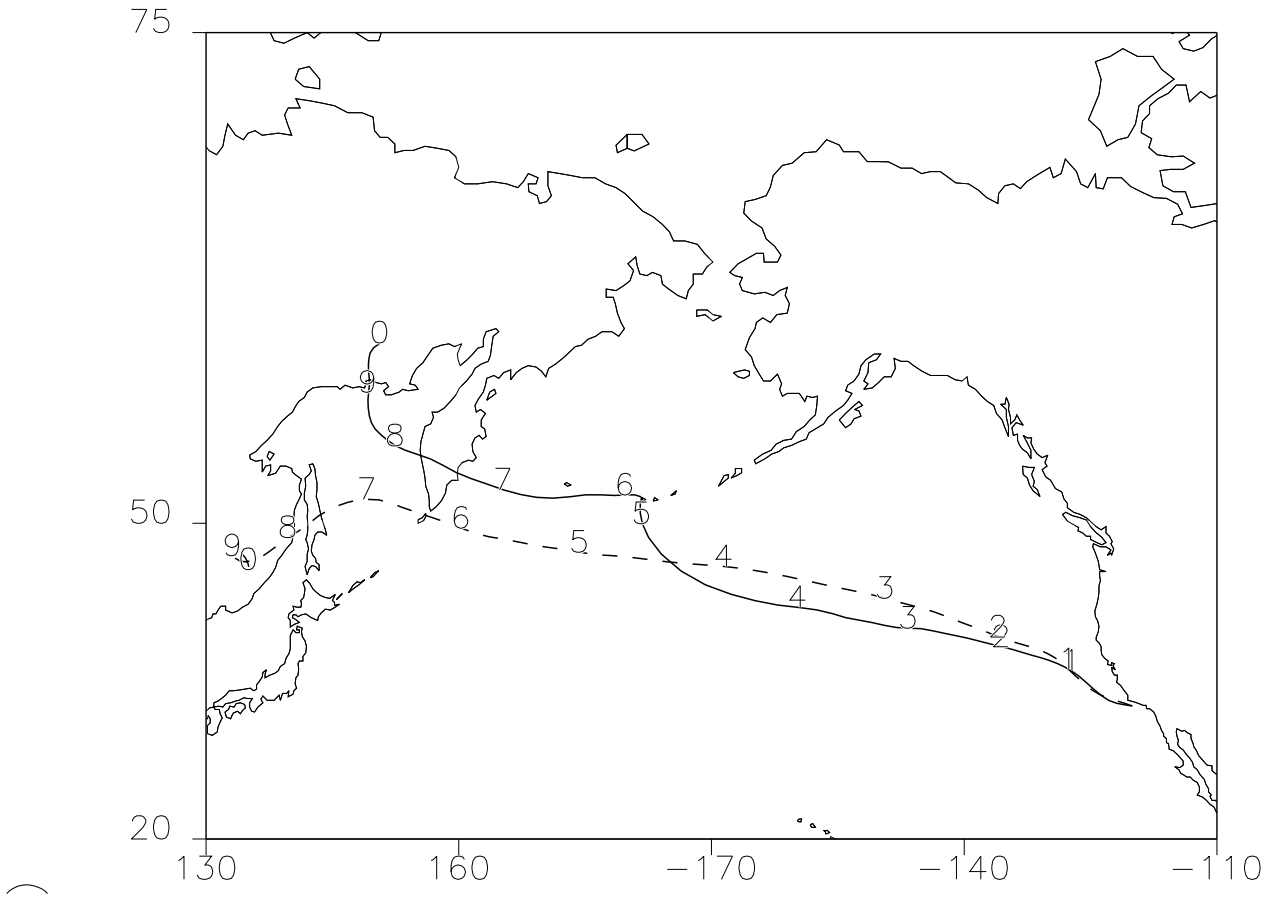
Day	km	hPa	C
0	0.3	978	12
1	0.2	1000	12
2	0.2	1000	11
3	0.3	997	11
4	1.0	915	5
5	1.8	822	2
6	2.5	758	−1
7	3.4	679	−6
8	4.1	615	−12
9	4.1	606	−12
10	2.7	730	0

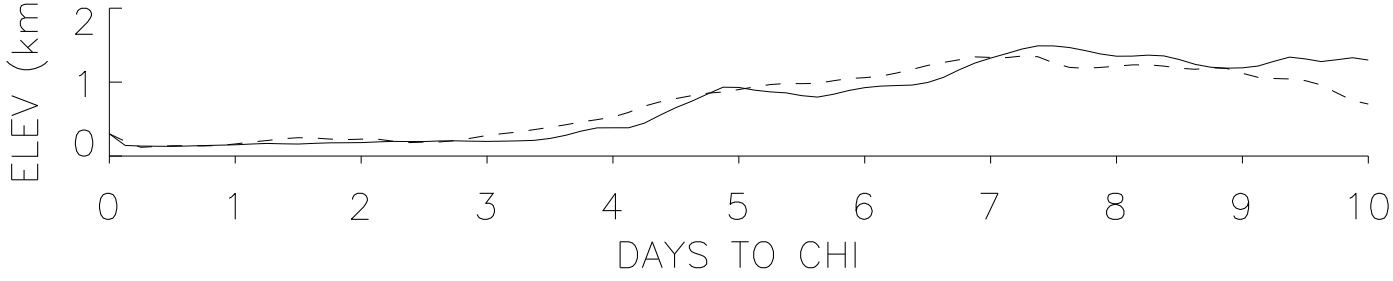
18UT

Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	11
2	0.2	1000	11
3	0.2	1000	12
4	0.5	973	10
5	1.0	915	4
6	1.7	831	−1
7	2.0	800	−6
8	1.8	818	−5
9	1.7	827	−3
10	1.4	852	−1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/22/2003 (Day of Year 112)
NCEP/NCAR Reanalysis 1 Data Set





00UT

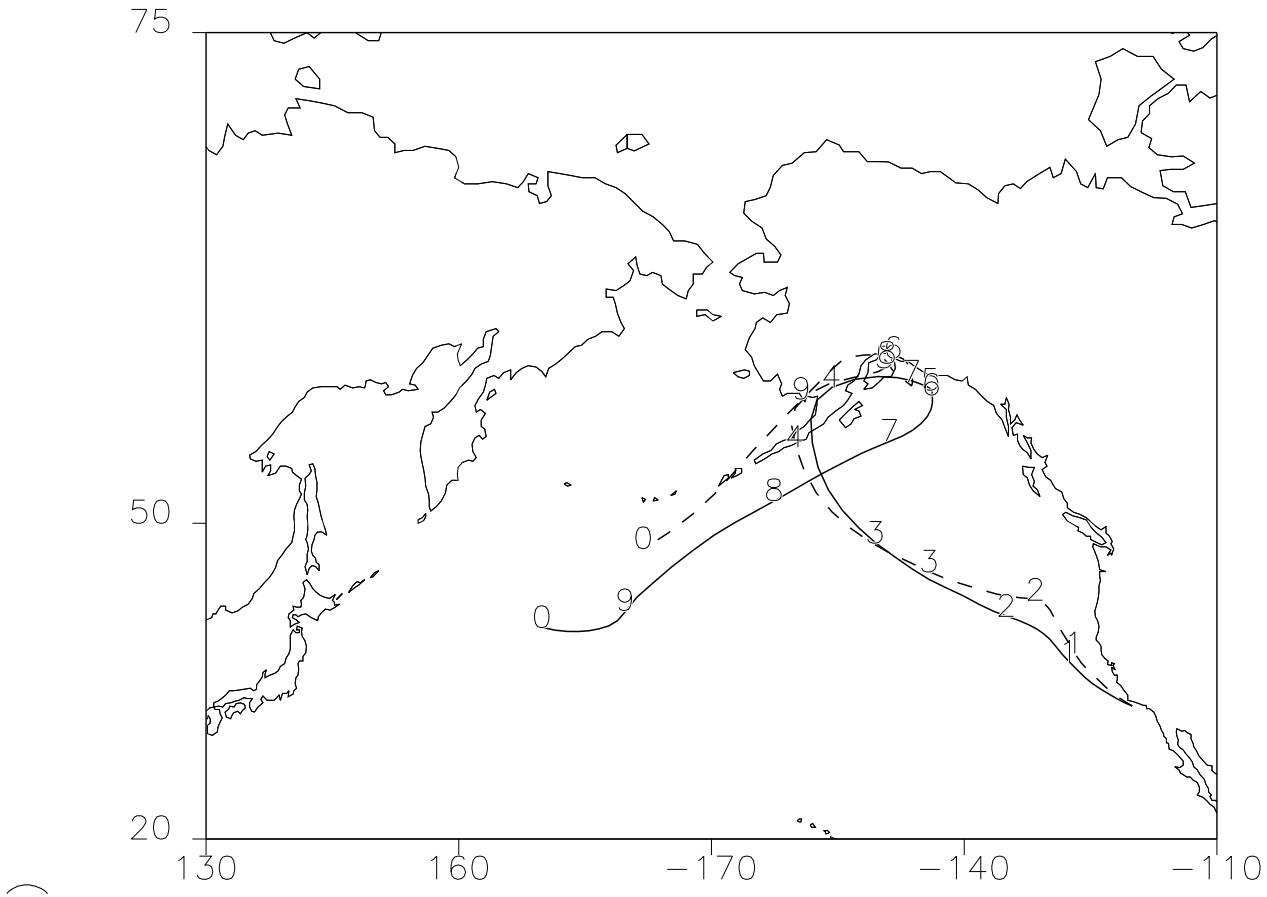
Day	km	hPa	C
0	0.3	977	11
1	0.2	1000	10
2	0.2	1000	10
3	0.2	1000	8
4	0.4	972	5
5	0.9	896	−2
6	0.9	906	−6
7	1.3	856	−10
8	1.4	844	−10
9	1.2	862	−10
10	1.3	852	−13

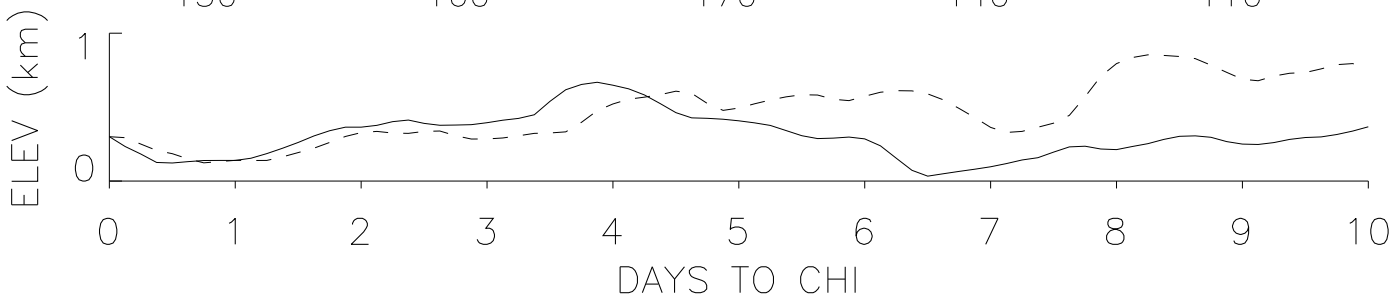
06UT

Day	km	hPa	C
0	0.3	979	10
1	0.2	998	9
2	0.2	993	8
3	0.3	990	4
4	0.5	954	2
5	0.9	908	−1
6	1.1	893	−2
7	1.3	858	−5
8	1.2	867	−1
9	1.1	871	0
10	0.7	916	4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/22/2003 (Day of Year 112)
NCEP/NCAR Reanalysis 1 Data Set





12UT

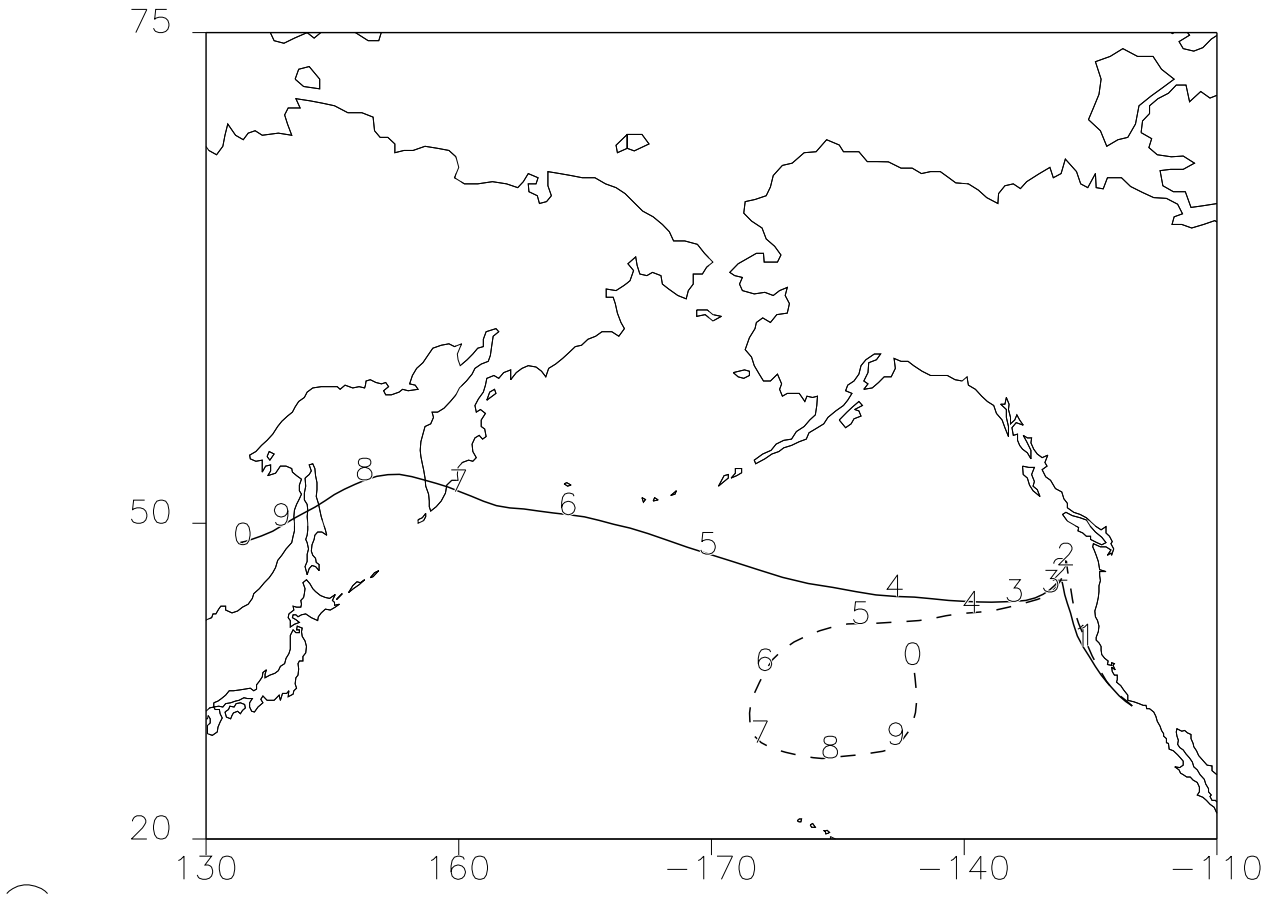
Day	km	hPa	C
0	0.3	978	9
1	0.1	1000	8
2	0.4	972	6
3	0.4	968	3
4	0.6	919	−1
5	0.4	955	1
6	0.3	965	1
7	0.1	1000	4
8	0.2	998	5
9	0.2	1000	6
10	0.4	975	3

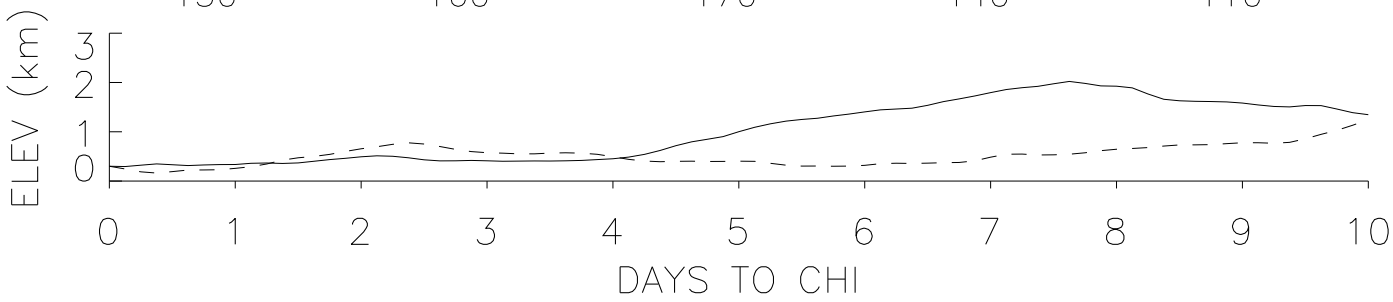
18UT

Day	km	hPa	C
0	0.3	979	11
1	0.1	1000	9
2	0.3	976	6
3	0.3	981	5
4	0.5	940	−2
5	0.5	945	−3
6	0.6	931	−3
7	0.4	961	0
8	0.8	918	−2
9	0.7	928	−2
10	0.8	915	−2

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/23/2003 (Day of Year 113)
NCEP/NCAR Reanalysis 1 Data Set





00UT

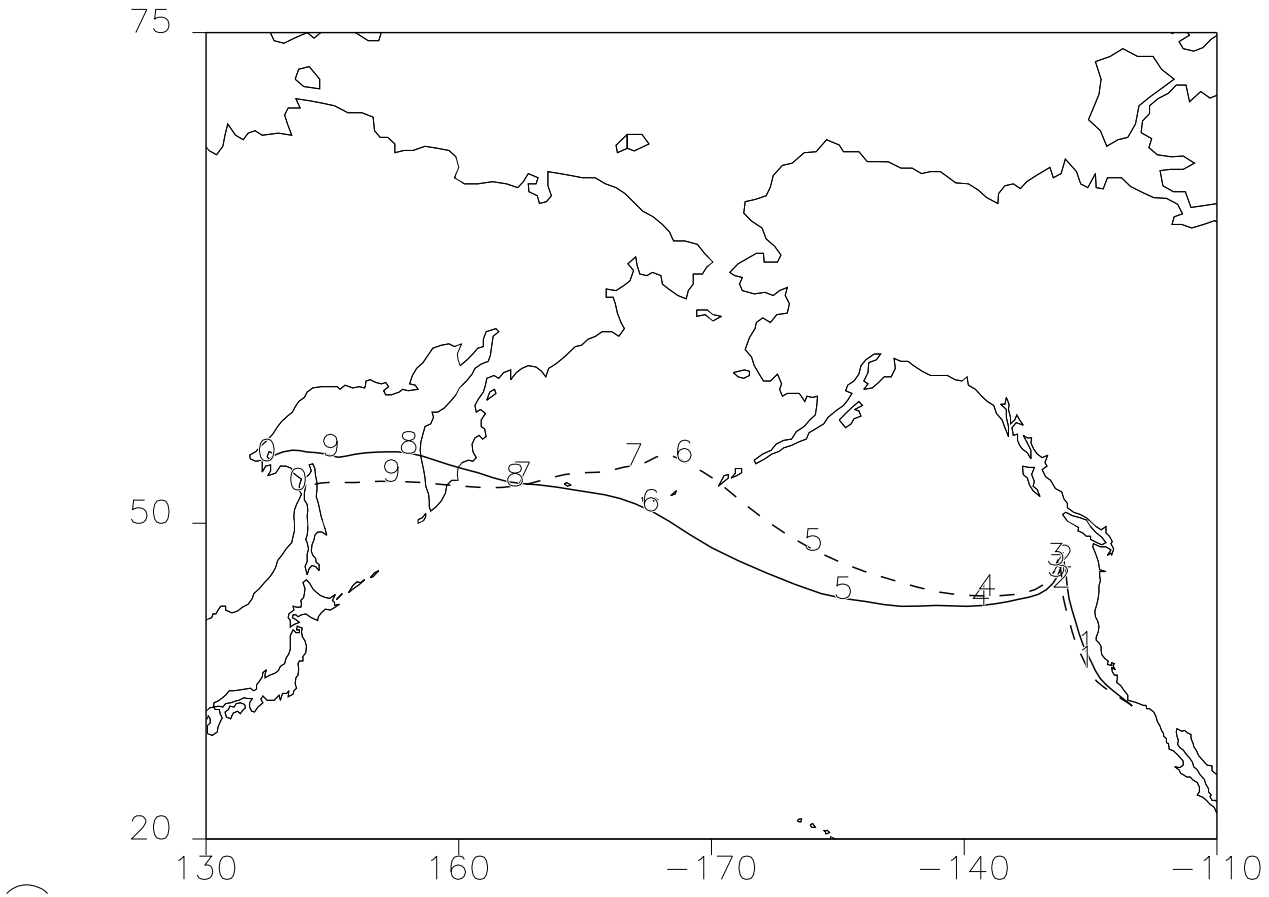
Day	km	hPa	C
0	0.3	977	11
1	0.3	974	7
2	0.5	956	4
3	0.4	967	6
4	0.5	965	3
5	1.0	895	0
6	1.4	849	−6
7	1.8	809	−10
8	1.9	794	−10
9	1.6	827	−4
10	1.3	846	−2

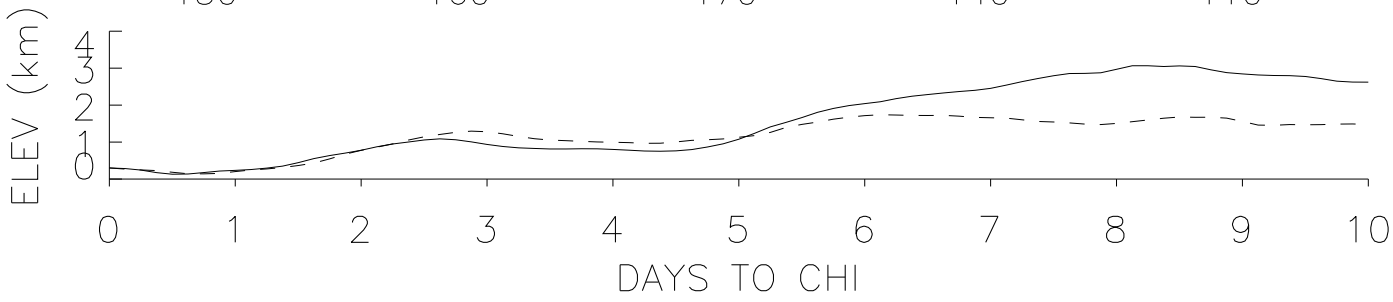
06UT

Day	km	hPa	C
0	0.3	980	10
1	0.3	985	7
2	0.7	938	4
3	0.6	946	6
4	0.5	963	6
5	0.4	972	7
6	0.3	981	15
7	0.5	971	16
8	0.6	955	12
9	0.8	941	8
10	1.2	883	4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/23/2003 (Day of Year 113)
NCEP/NCAR Reanalysis 1 Data Set





12UT

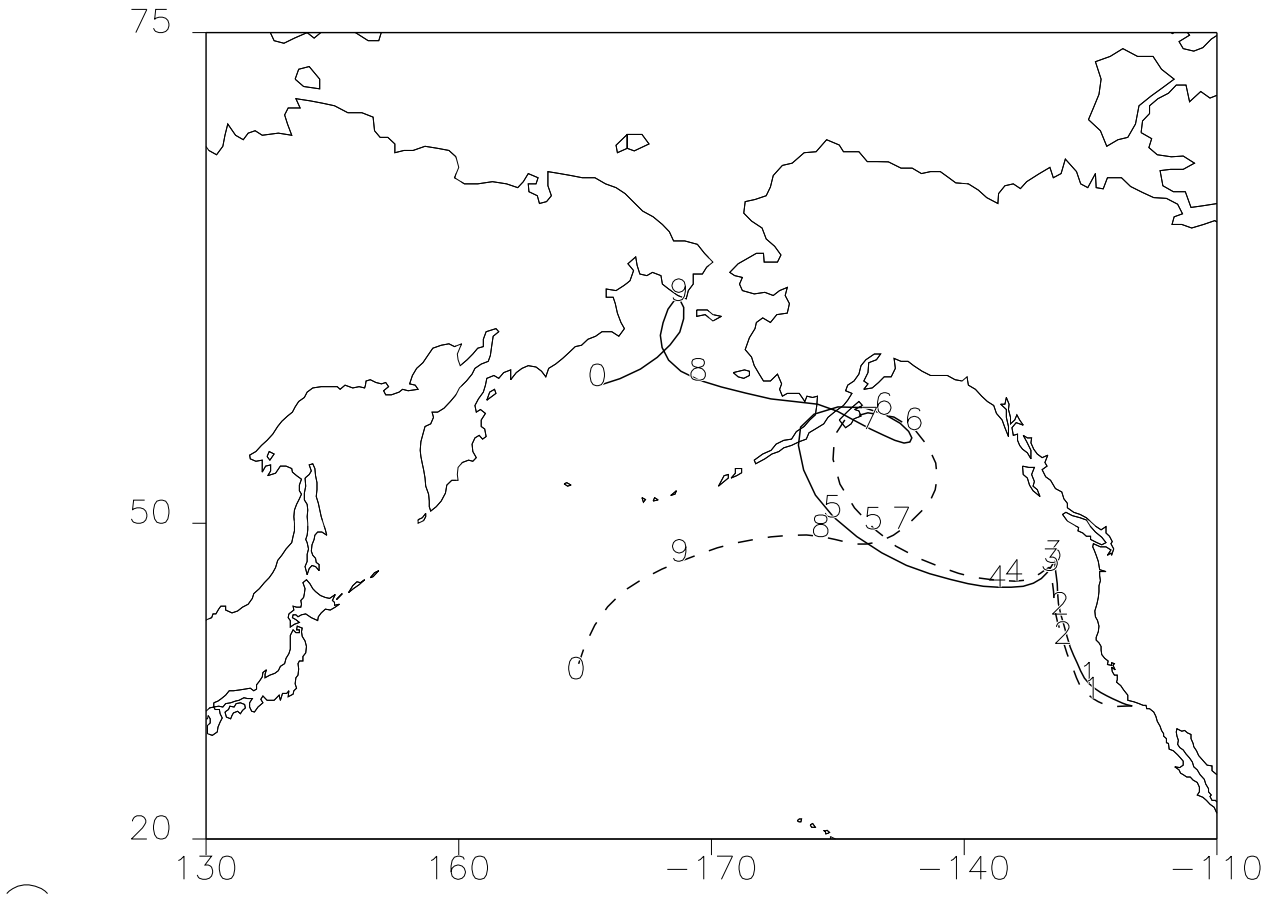
Day	km	hPa	C
0	0.3	980	9
1	0.2	989	7
2	0.8	923	2
3	0.9	903	3
4	0.8	924	2
5	1.1	893	1
6	2.0	778	−10
7	2.5	739	−13
8	3.0	691	−17
9	2.8	700	−17
10	2.6	718	−13

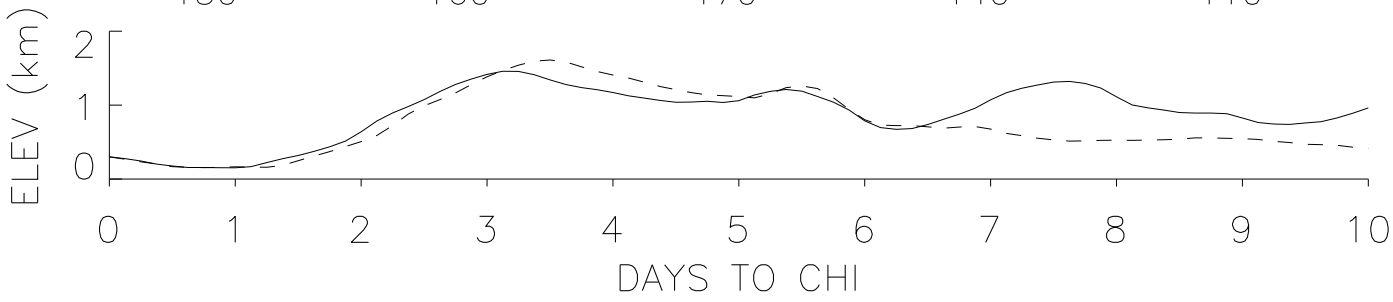
18UT

Day	km	hPa	C
0	0.3	982	12
1	0.2	994	9
2	0.8	925	2
3	1.3	867	0
4	1.0	900	2
5	1.1	881	−1
6	1.7	806	−11
7	1.7	817	−10
8	1.5	839	−8
9	1.6	831	−10
10	1.5	835	−7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/24/2003 (Day of Year 114)
NCEP/NCAR Reanalysis 1 Data Set





00UT

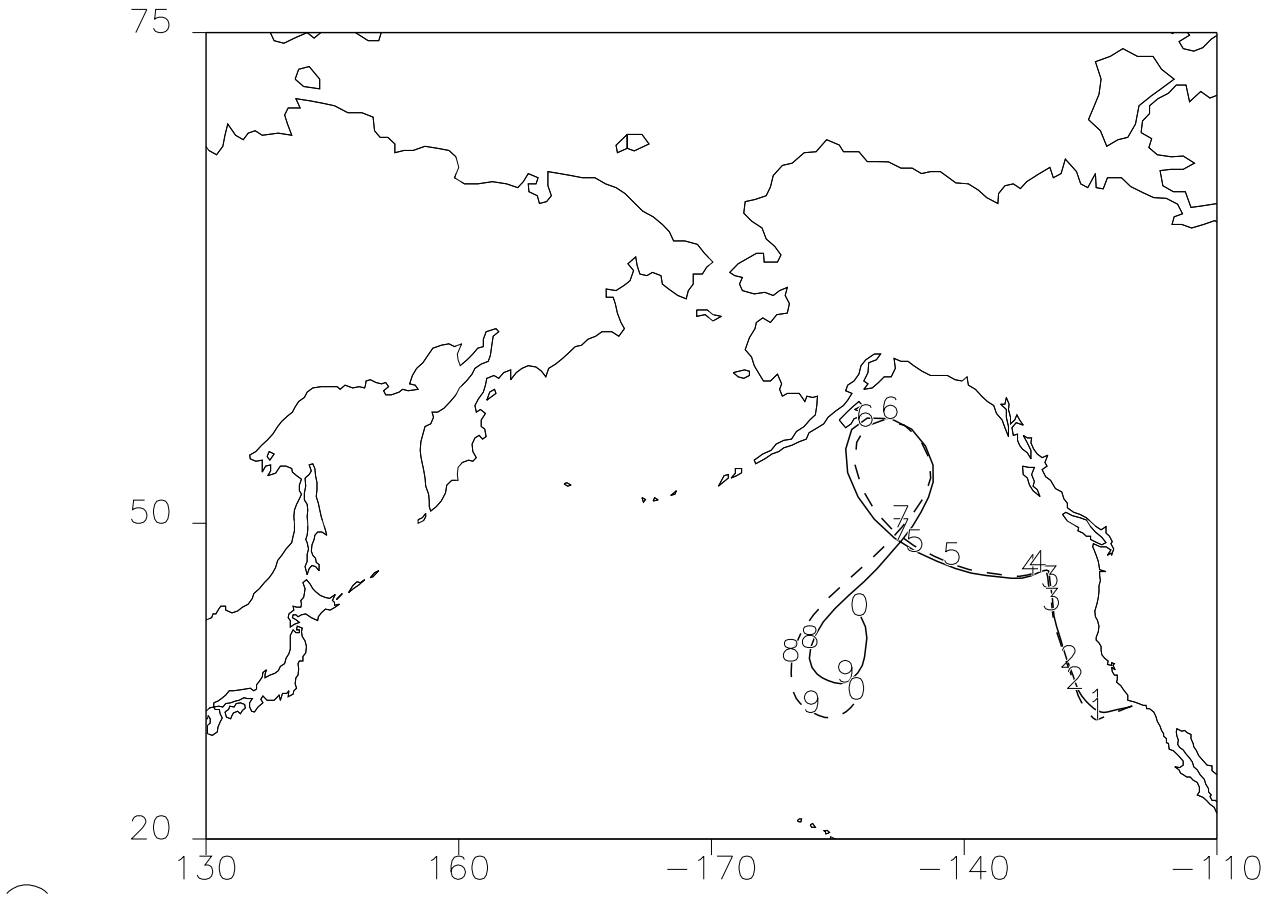
Day	km	hPa	C
0	0.3	980	13
1	0.2	1000	10
2	0.6	941	3
3	1.4	852	−3
4	1.2	878	0
5	1.1	884	−3
6	0.8	904	−2
7	1.1	880	−5
8	1.1	864	−7
9	0.8	892	−6
10	1.0	882	−9

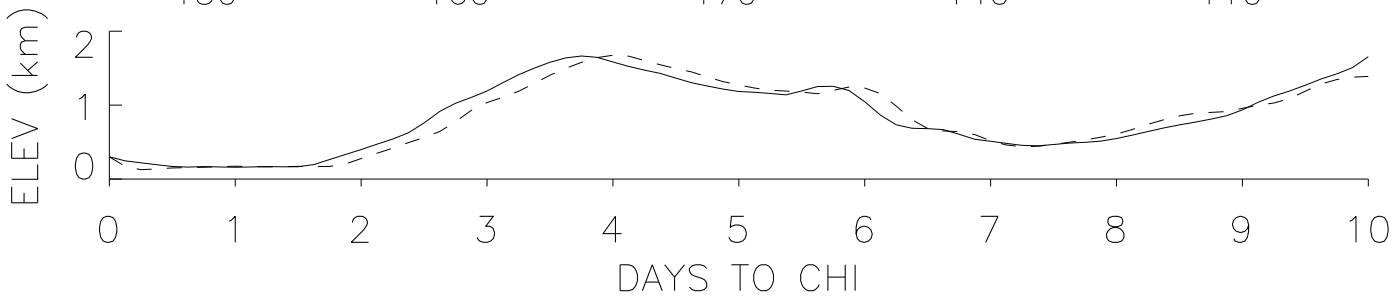
06UT

Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	10
2	0.5	958	5
3	1.4	857	−3
4	1.4	851	−1
5	1.1	878	−1
6	0.8	899	−2
7	0.7	935	1
8	0.5	958	3
9	0.5	955	4
10	0.4	978	12

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/24/2003 (Day of Year 114)
NCEP/NCAR Reanalysis 1 Data Set





12UT

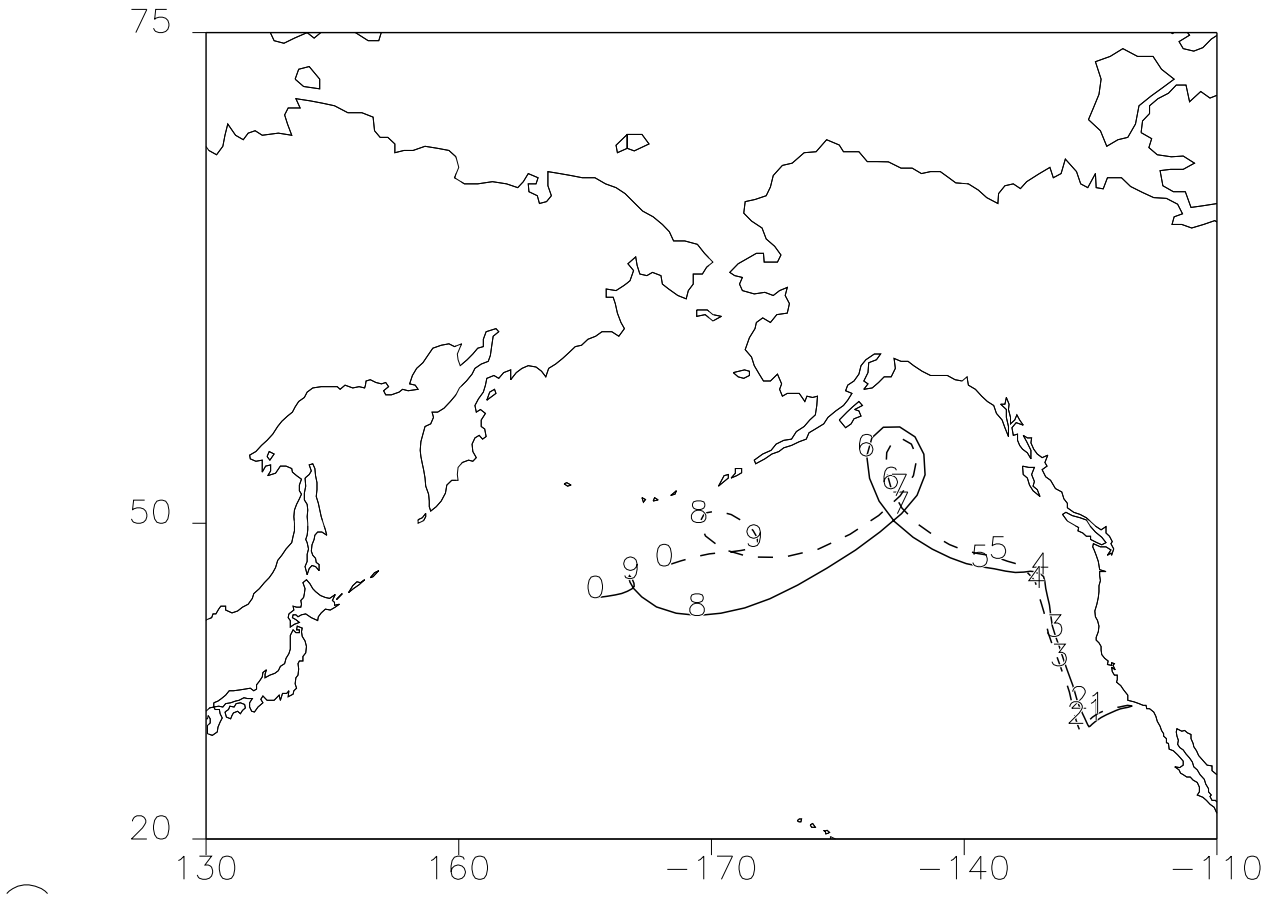
Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	10
2	0.4	971	7
3	1.2	877	0
4	1.6	832	−3
5	1.2	873	0
6	1.0	867	−3
7	0.5	949	4
8	0.5	965	9
9	0.9	925	6
10	1.7	847	0

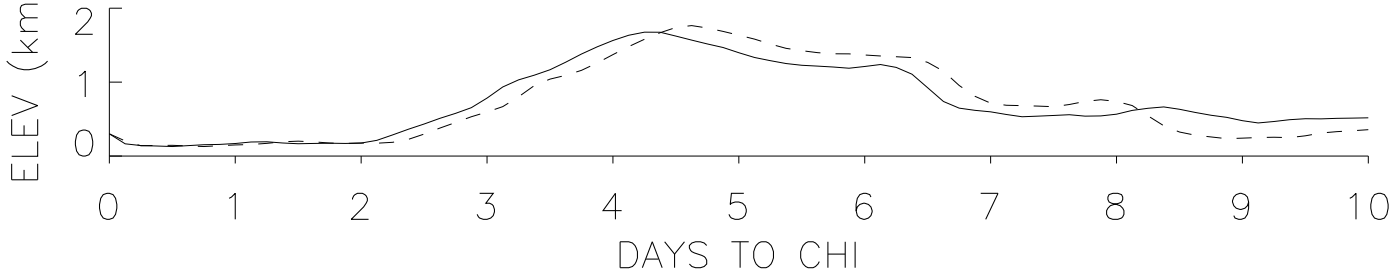
18UT

Day	km	hPa	C
0	0.3	981	14
1	0.2	1000	11
2	0.3	987	10
3	1.0	898	1
4	1.7	824	−3
5	1.3	865	−1
6	1.2	849	−3
7	0.5	941	6
8	0.6	954	10
9	1.0	922	8
10	1.4	876	6

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/25/2003 (Day of Year 115)
NCEP/NCAR Reanalysis 1 Data Set





00UT

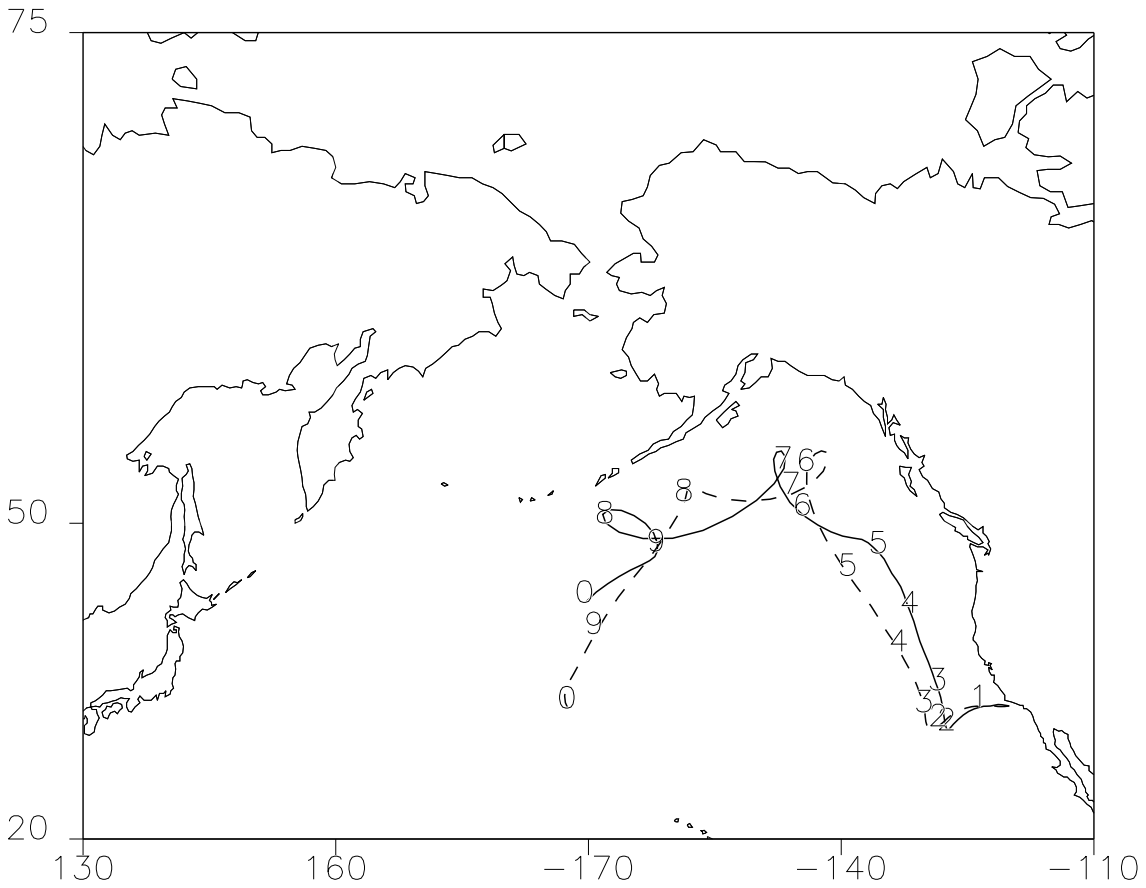
Day	km	hPa	C
0	0.3	980	13
1	0.2	999	11
2	0.2	999	10
3	0.8	926	2
4	1.6	837	−4
5	1.4	850	−2
6	1.2	855	−3
7	0.6	926	4
8	0.6	941	6
9	0.5	959	4
10	0.5	959	5

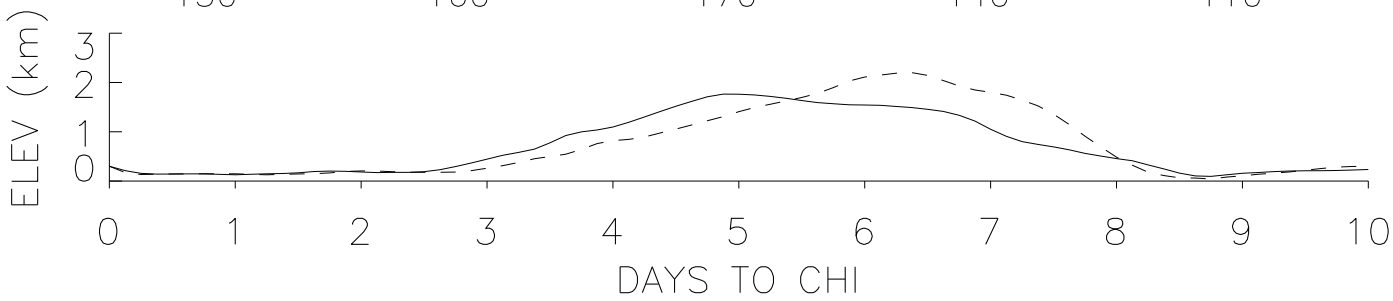
06UT

Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	13
2	0.2	1000	12
3	0.6	949	6
4	1.4	859	−3
5	1.6	825	−4
6	1.4	842	−2
7	0.7	903	1
8	0.7	906	−1
9	0.2	992	4
10	0.4	978	5

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/25/2003 (Day of Year 115)
NCEP/NCAR Reanalysis 1 Data Set





12UT

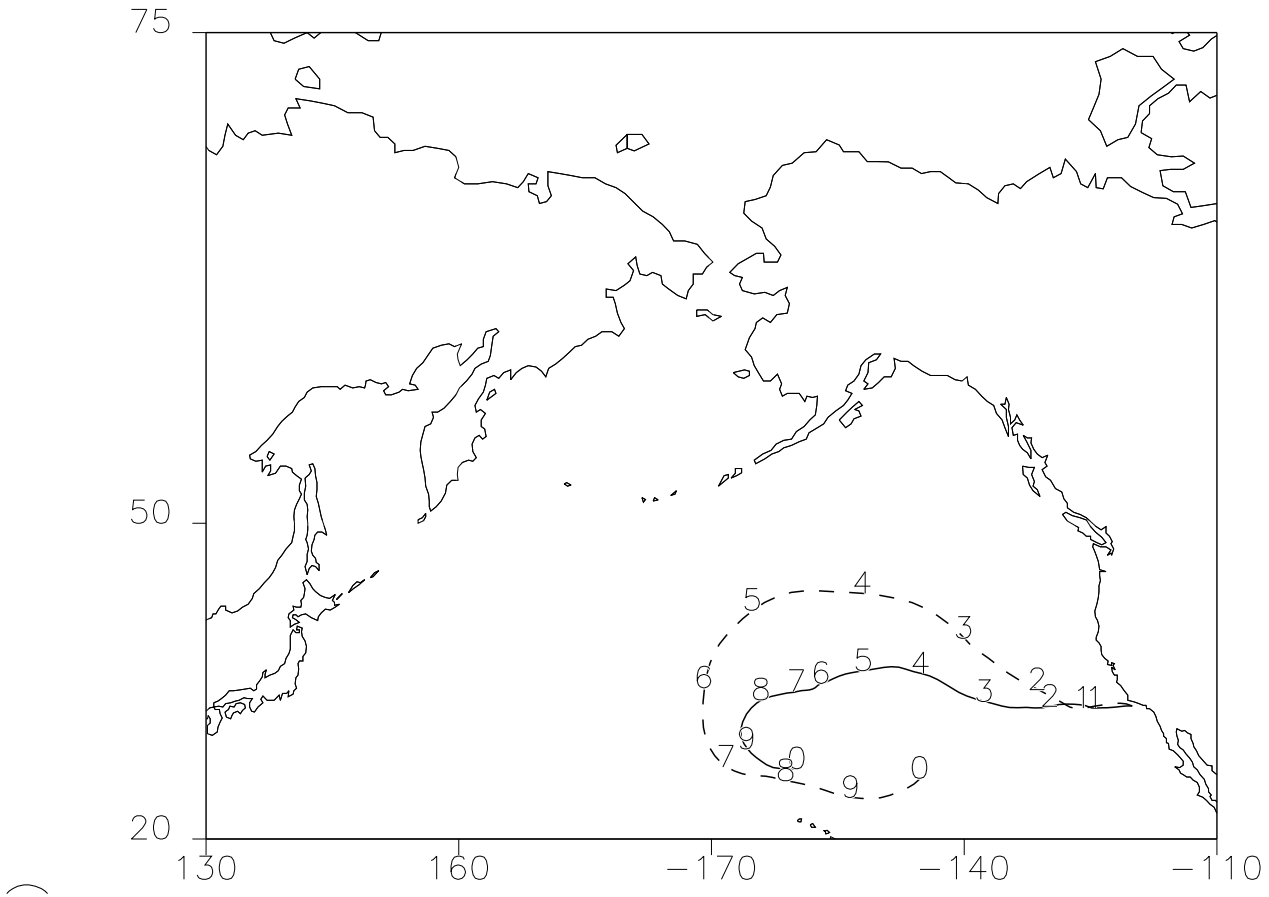
Day	km	hPa	C
0	0.3	980	11
1	0.1	1000	14
2	0.2	998	12
3	0.4	967	8
4	1.1	890	0
5	1.8	812	−5
6	1.5	827	−3
7	1.1	863	−2
8	0.5	935	0
9	0.2	1000	5
10	0.2	1000	10

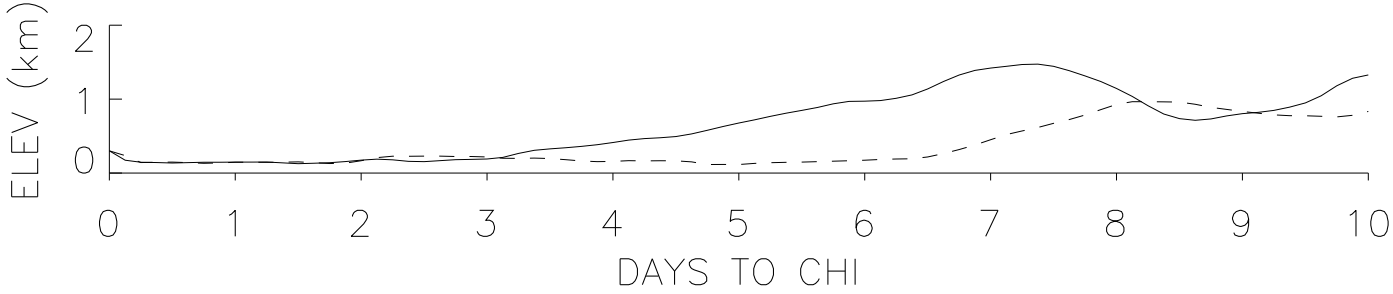
18UT

Day	km	hPa	C
0	0.3	981	13
1	0.1	1000	13
2	0.2	995	13
3	0.3	991	11
4	0.8	926	4
5	1.4	857	−1
6	2.1	772	−8
7	1.8	787	−7
8	0.5	925	1
9	0.1	1000	12
10	0.3	990	17

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/26/2003 (Day of Year 116)
NCEP/NCAR Reanalysis 1 Data Set





00UT

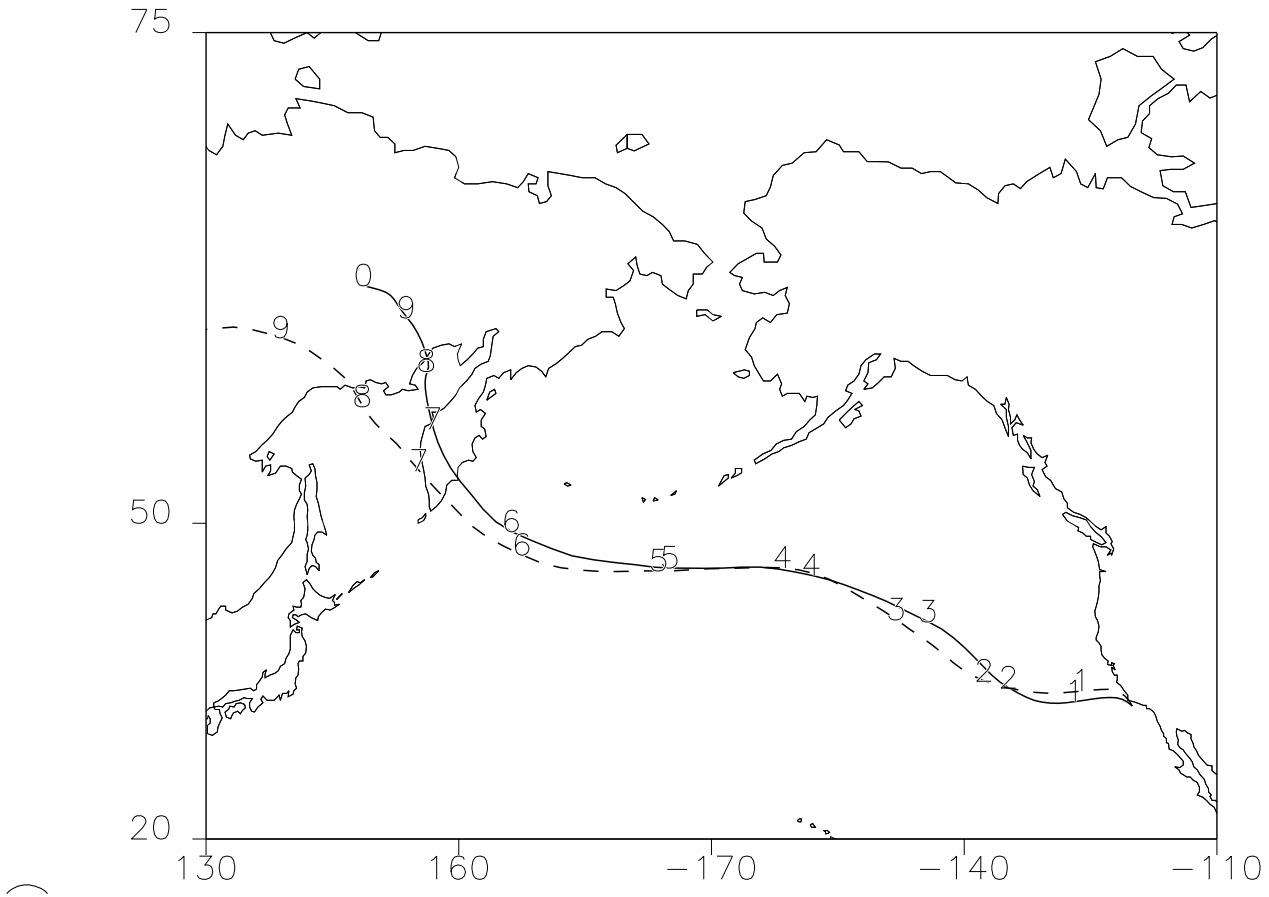
Day	km	hPa	C
0	0.3	981	13
1	0.1	1000	12
2	0.2	996	14
3	0.2	1000	14
4	0.4	978	12
5	0.7	951	11
6	1.0	918	9
7	1.4	868	7
8	1.1	893	9
9	0.8	931	15
10	1.3	878	10

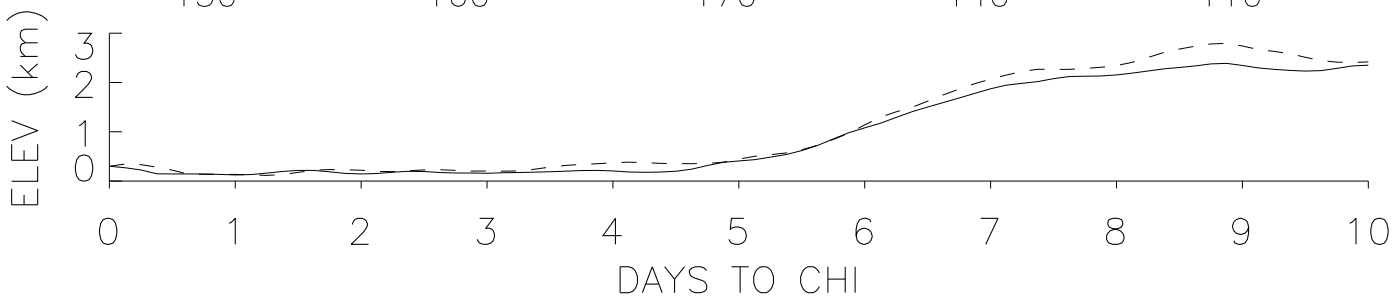
06UT

Day	km	hPa	C
0	0.3	981	11
1	0.1	1000	13
2	0.2	997	13
3	0.2	993	7
4	0.2	998	6
5	0.1	1000	10
6	0.2	1000	17
7	0.5	971	19
8	0.9	918	16
9	0.8	927	14
10	0.8	931	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/26/2003 (Day of Year 116)
NCEP/NCAR Reanalysis 1 Data Set





12UT

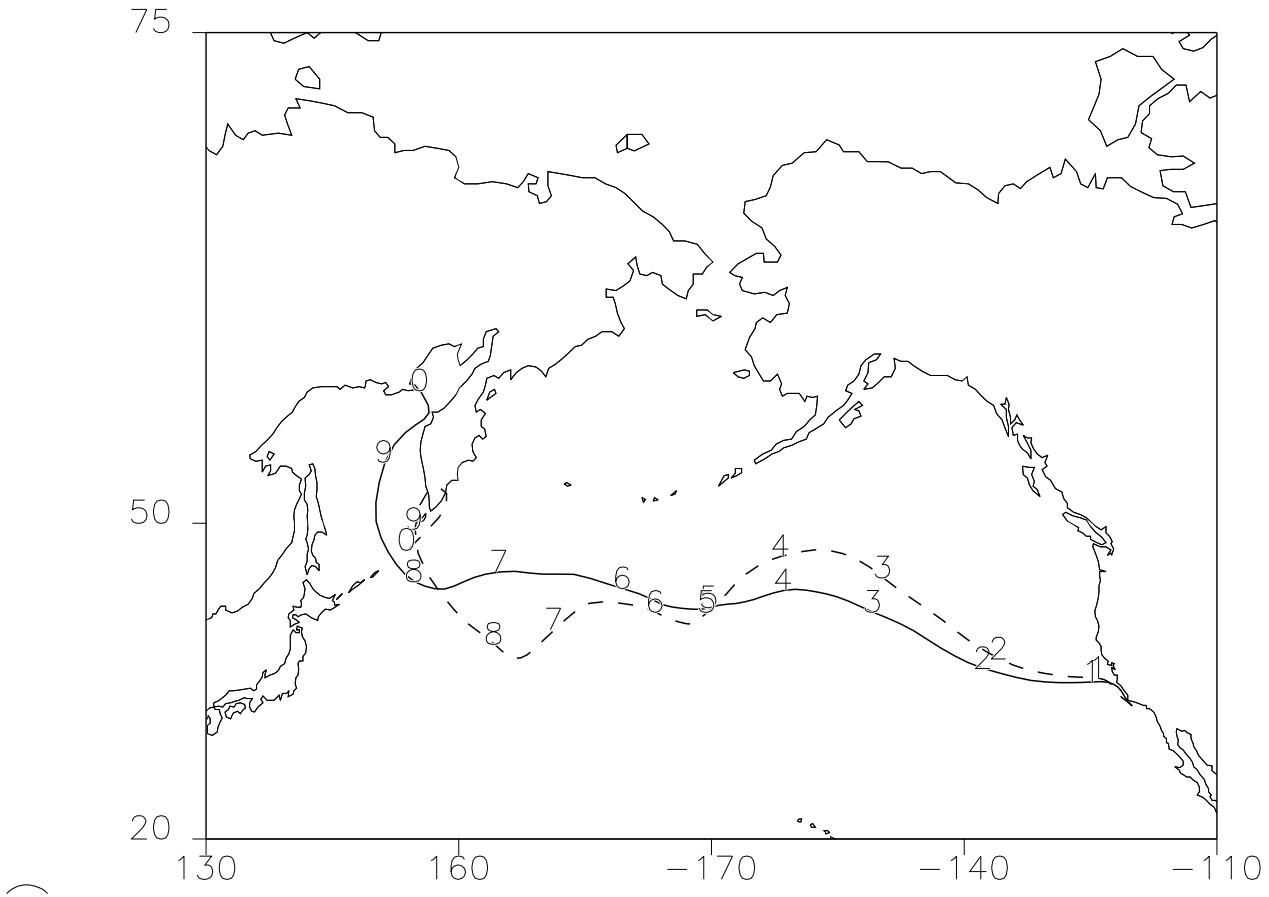
Day	km	hPa	C
0	0.3	980	10
1	0.1	1000	12
2	0.1	1000	10
3	0.2	1000	6
4	0.2	997	3
5	0.4	964	1
6	1.1	875	−8
7	1.9	787	−14
8	2.2	758	−19
9	2.3	741	−19
10	2.4	743	−18

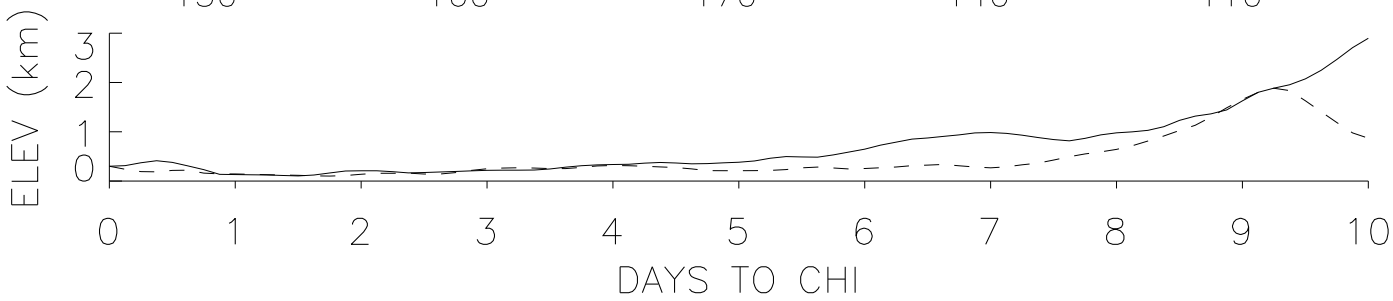
18UT

Day	km	hPa	C
0	0.3	981	12
1	0.1	1000	12
2	0.2	994	10
3	0.2	1000	5
4	0.4	979	1
5	0.4	964	0
6	1.1	875	−8
7	2.1	770	−15
8	2.3	740	−18
9	2.7	707	−18
10	2.4	738	−15

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/27/2003 (Day of Year 117)
NCEP/NCAR Reanalysis 1 Data Set





00UT

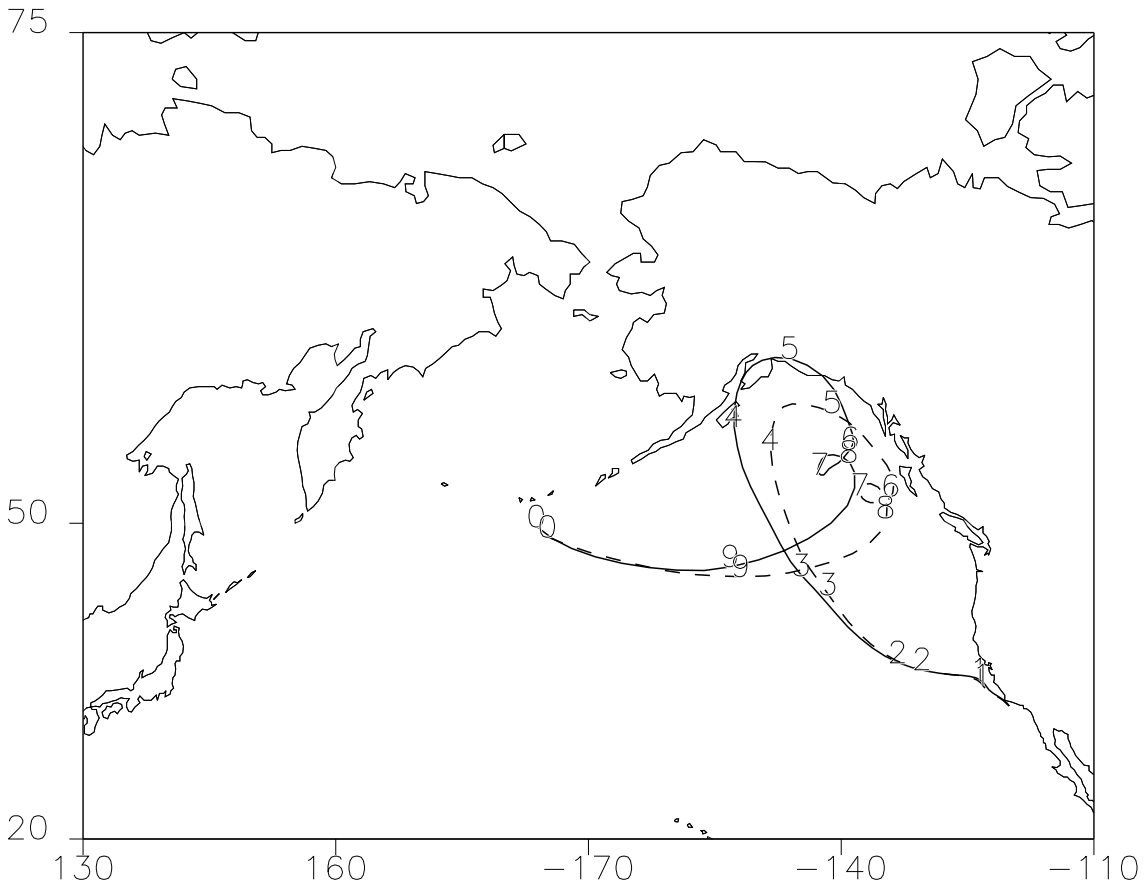
Day	km	hPa	C
0	0.3	979	13
1	0.1	1000	12
2	0.2	990	10
3	0.2	1000	6
4	0.3	988	4
5	0.4	978	3
6	0.6	933	0
7	1.0	891	−4
8	1.0	894	−6
9	1.6	814	−8
10	2.9	691	−19

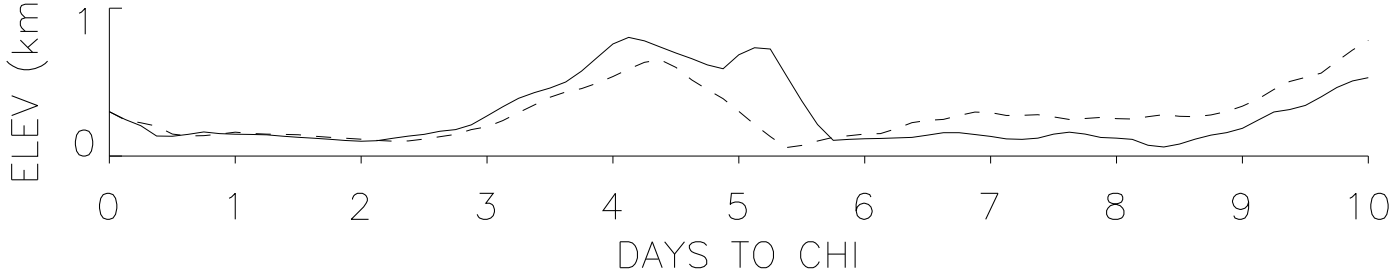
06UT

Day	km	hPa	C
0	0.3	980	12
1	0.1	1000	11
2	0.1	997	10
3	0.3	990	5
4	0.3	986	4
5	0.2	1000	7
6	0.3	986	6
7	0.3	979	9
8	0.6	937	2
9	1.7	804	−8
10	0.9	901	2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/27/2003 (Day of Year 117)
NCEP/NCAR Reanalysis 1 Data Set





12UT

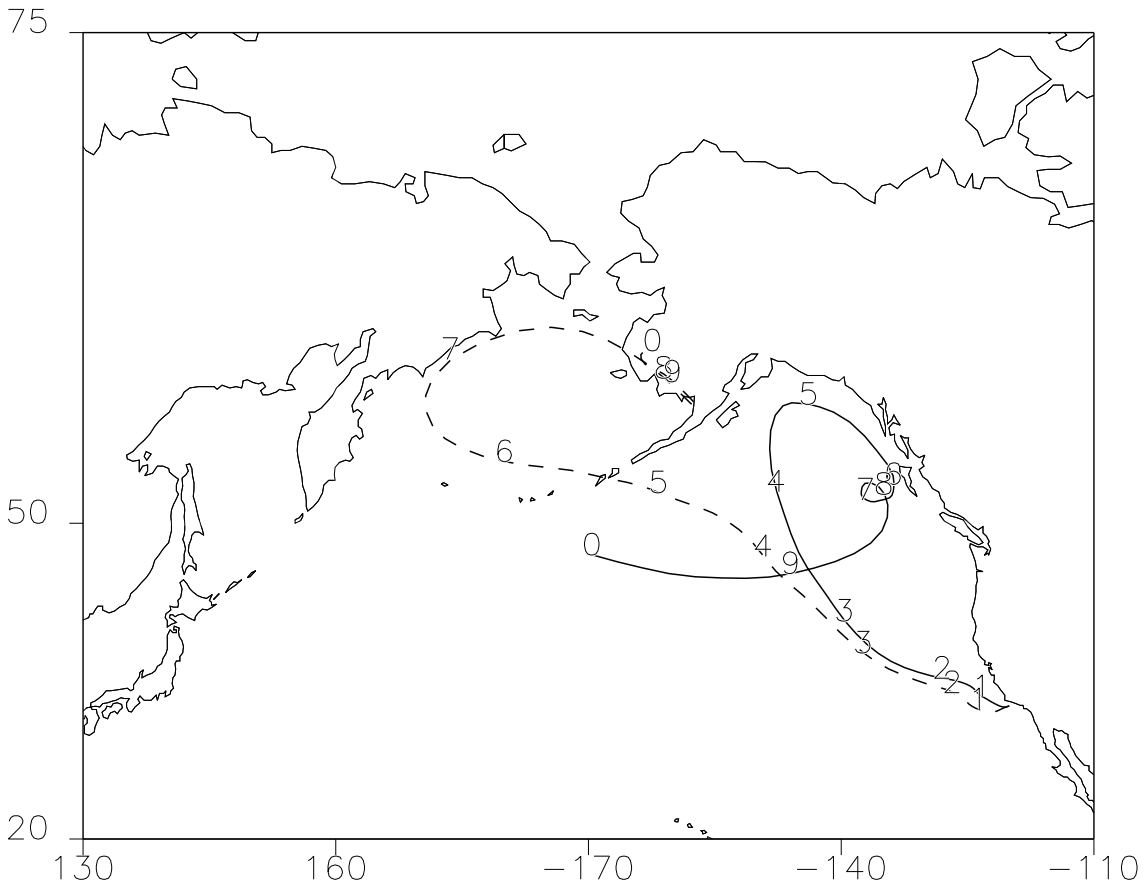
Day	km	hPa	C
0	0.3	979	10
1	0.1	1000	11
2	0.1	1000	10
3	0.3	980	4
4	0.8	914	2
5	0.7	915	1
6	0.1	1000	5
7	0.1	999	5
8	0.1	985	5
9	0.2	987	4
10	0.5	944	−1

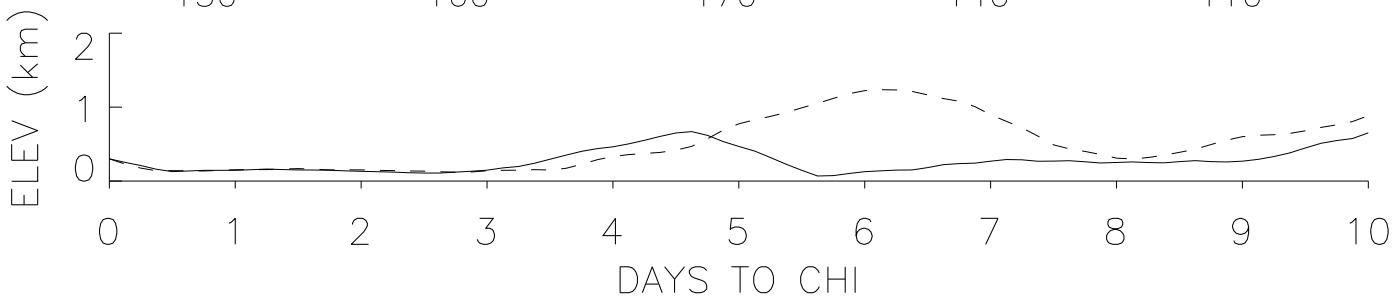
18UT

Day	km	hPa	C
0	0.3	980	13
1	0.2	999	12
2	0.1	1000	11
3	0.2	986	6
4	0.5	939	3
5	0.3	956	4
6	0.1	1000	6
7	0.3	980	4
8	0.3	978	5
9	0.3	974	4
10	0.8	917	−1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/28/2003 (Day of Year 118)
NCEP/NCAR Reanalysis 1 Data Set





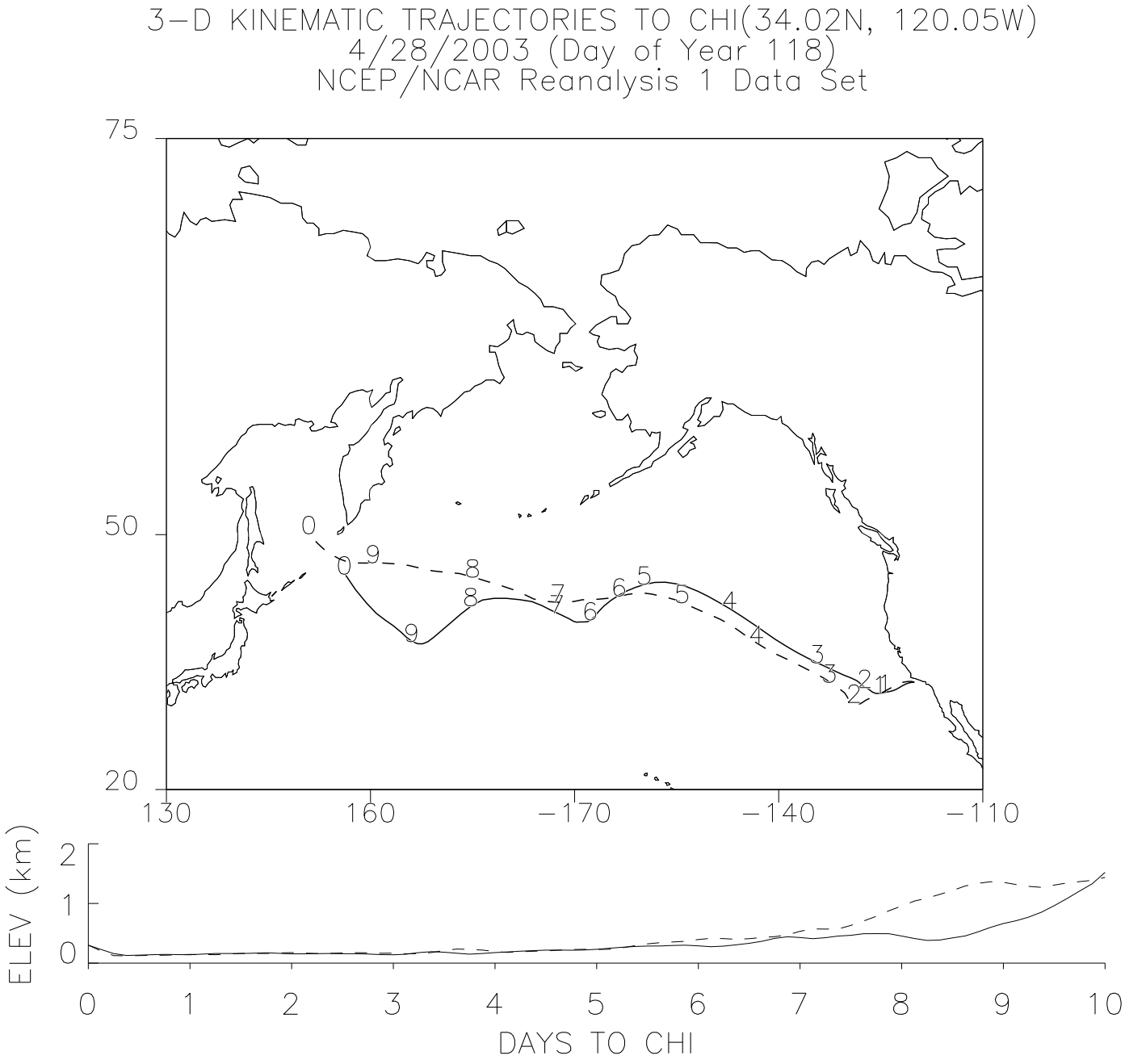
00UT

Day	km	hPa	C
0	0.3	979	12
1	0.1	1000	12
2	0.1	1000	12
3	0.1	993	8
4	0.5	952	3
5	0.5	936	3
6	0.1	1000	6
7	0.3	984	5
8	0.3	979	4
9	0.3	980	4
10	0.7	934	1

06UT

Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	12
2	0.2	1000	12
3	0.1	998	10
4	0.3	977	5
5	0.8	924	0
6	1.2	858	−6
7	0.9	881	−5
8	0.3	964	0
9	0.6	941	−2
10	0.9	897	−7

00UT − solid
06UT − dashed



12UT

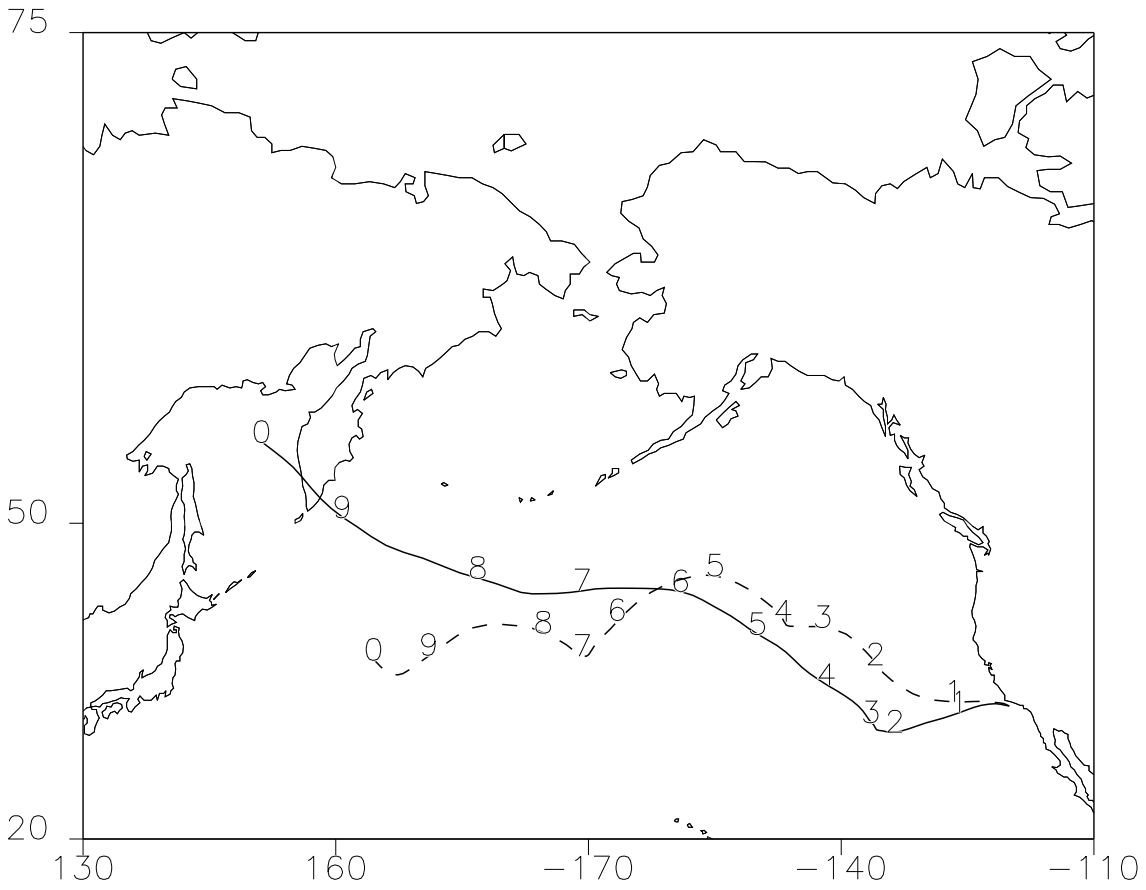
Day	km	hPa	C
0	0.3	979	12
1	0.1	1000	12
2	0.2	1000	12
3	0.1	999	10
4	0.2	1000	6
5	0.2	998	6
6	0.3	994	8
7	0.4	968	5
8	0.5	955	6
9	0.7	939	3
10	1.5	825	-6

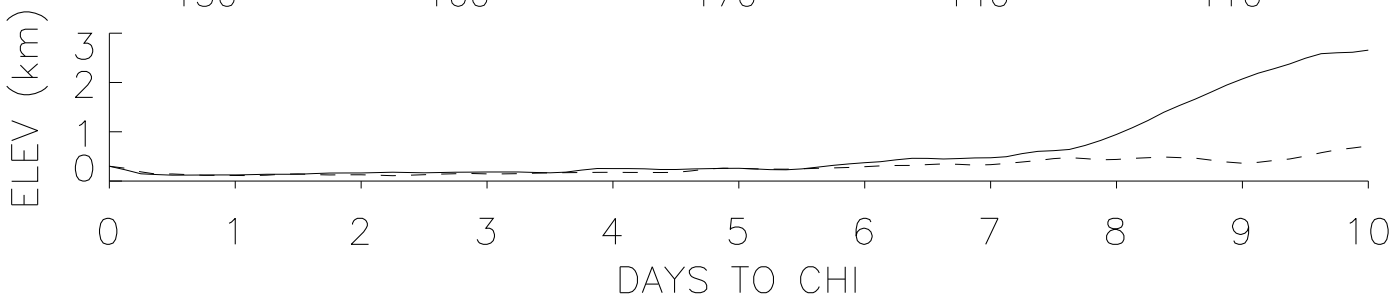
18UT

Day	km	hPa	C
0	0.3	981	13
1	0.1	1000	13
2	0.2	1000	13
3	0.2	1000	12
4	0.2	998	9
5	0.2	1000	5
6	0.4	980	4
7	0.5	959	3
8	1.0	894	-2
9	1.4	848	-8
10	1.4	839	-8

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/29/2003 (Day of Year 119)
NCEP/NCAR Reanalysis 1 Data Set





00UT

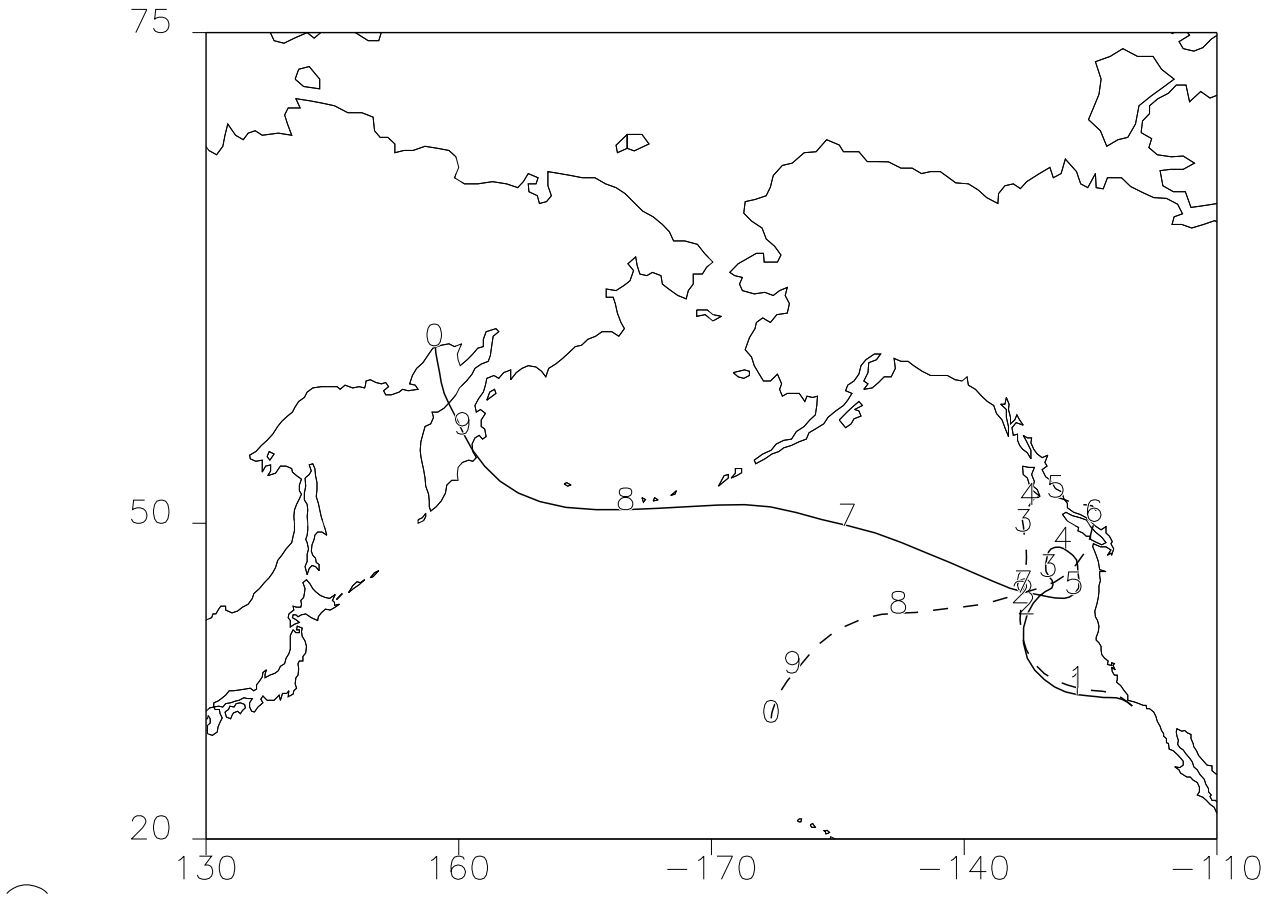
Day	km	hPa	C
0	0.3	980	13
1	0.1	1000	12
2	0.2	1000	14
3	0.2	1000	13
4	0.3	990	10
5	0.3	997	6
6	0.4	983	3
7	0.5	964	1
8	0.9	899	−3
9	2.1	769	−14
10	2.7	711	−18

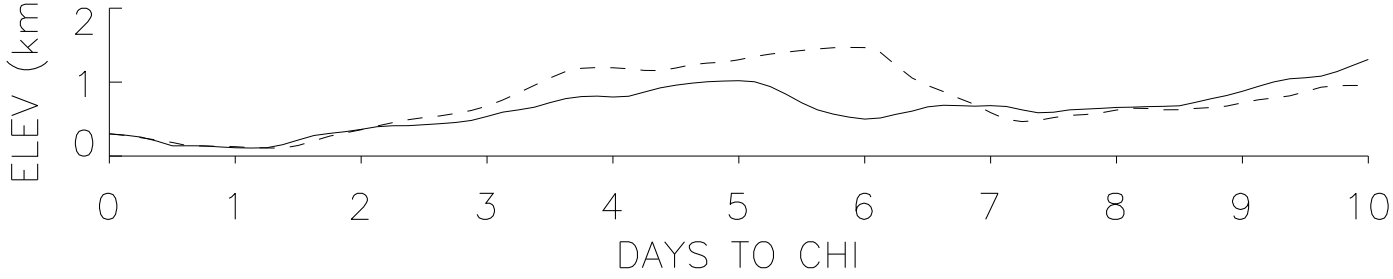
06UT

Day	km	hPa	C
0	0.3	981	12
1	0.1	1000	13
2	0.1	998	11
3	0.1	999	9
4	0.2	1000	8
5	0.3	993	7
6	0.3	993	10
7	0.3	988	10
8	0.4	965	7
9	0.4	972	10
10	0.7	930	3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/29/2003 (Day of Year 119)
NCEP/NCAR Reanalysis 1 Data Set





12UT

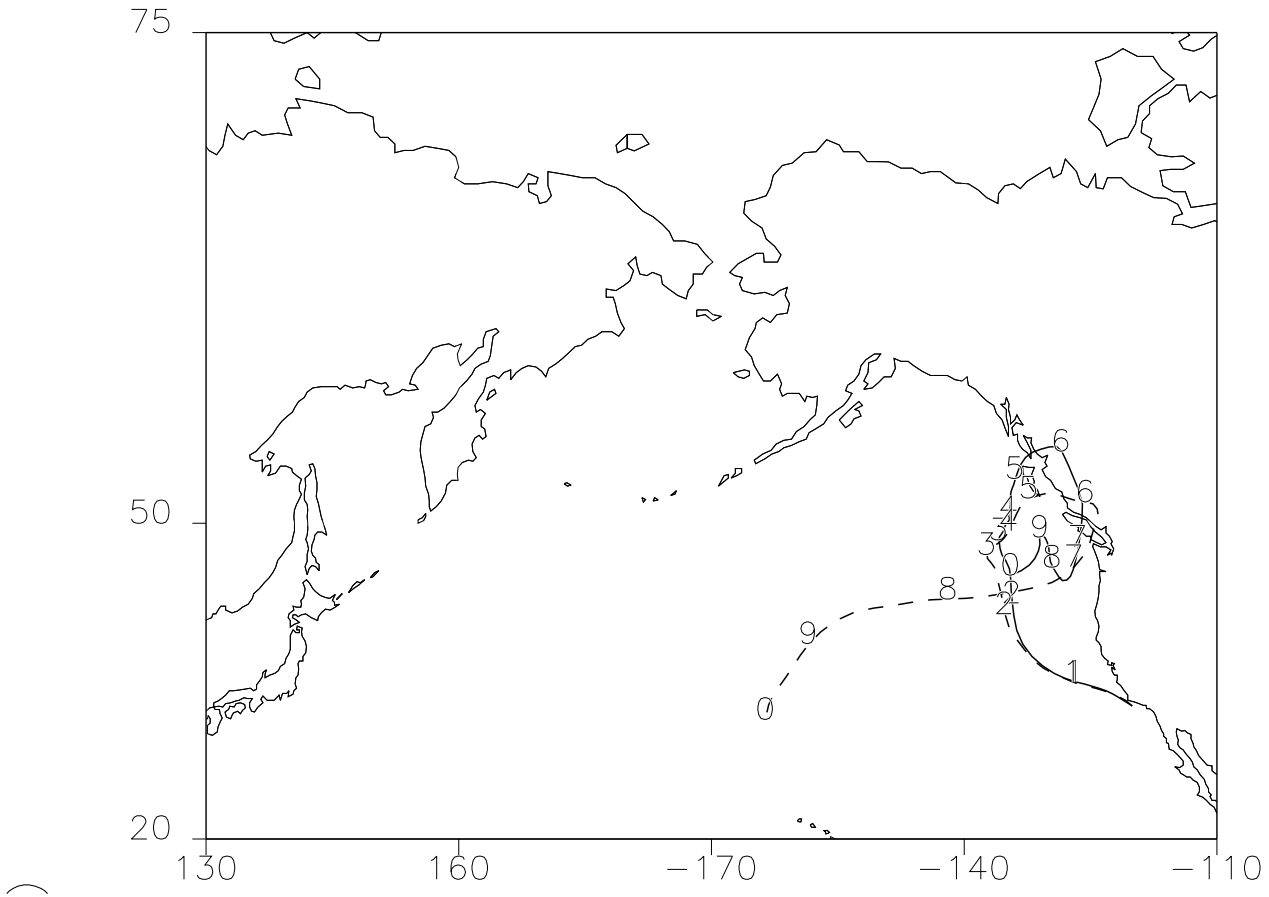
Day	km	hPa	C
0	0.3	980	10
1	0.1	1000	12
2	0.4	969	6
3	0.5	947	5
4	0.8	914	0
5	1.0	887	−2
6	0.5	947	4
7	0.7	927	−1
8	0.7	921	−4
9	0.9	896	−10
10	1.3	848	−15

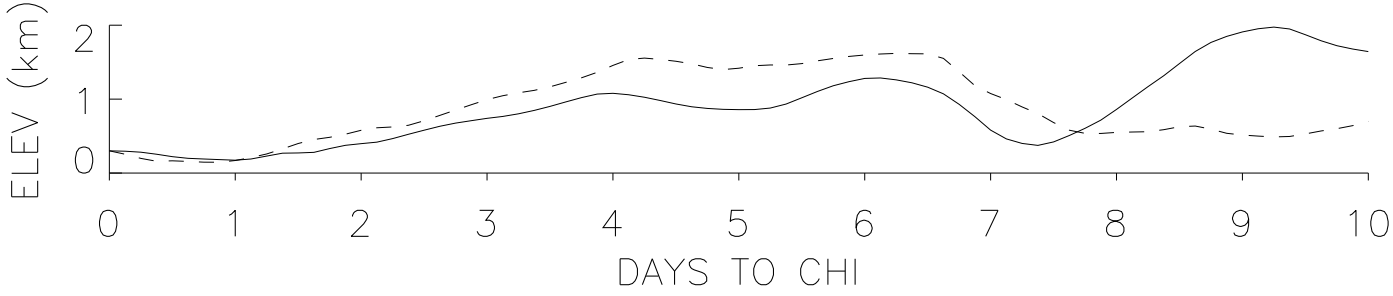
18UT

Day	km	hPa	C
0	0.3	983	12
1	0.1	1000	12
2	0.4	973	7
3	0.7	935	2
4	1.2	872	0
5	1.3	858	0
6	1.5	840	−3
7	0.6	942	7
8	0.6	947	13
9	0.7	944	16
10	1.0	920	16

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/30/2003 (Day of Year 120)
NCEP/NCAR Reanalysis 1 Data Set





00UT

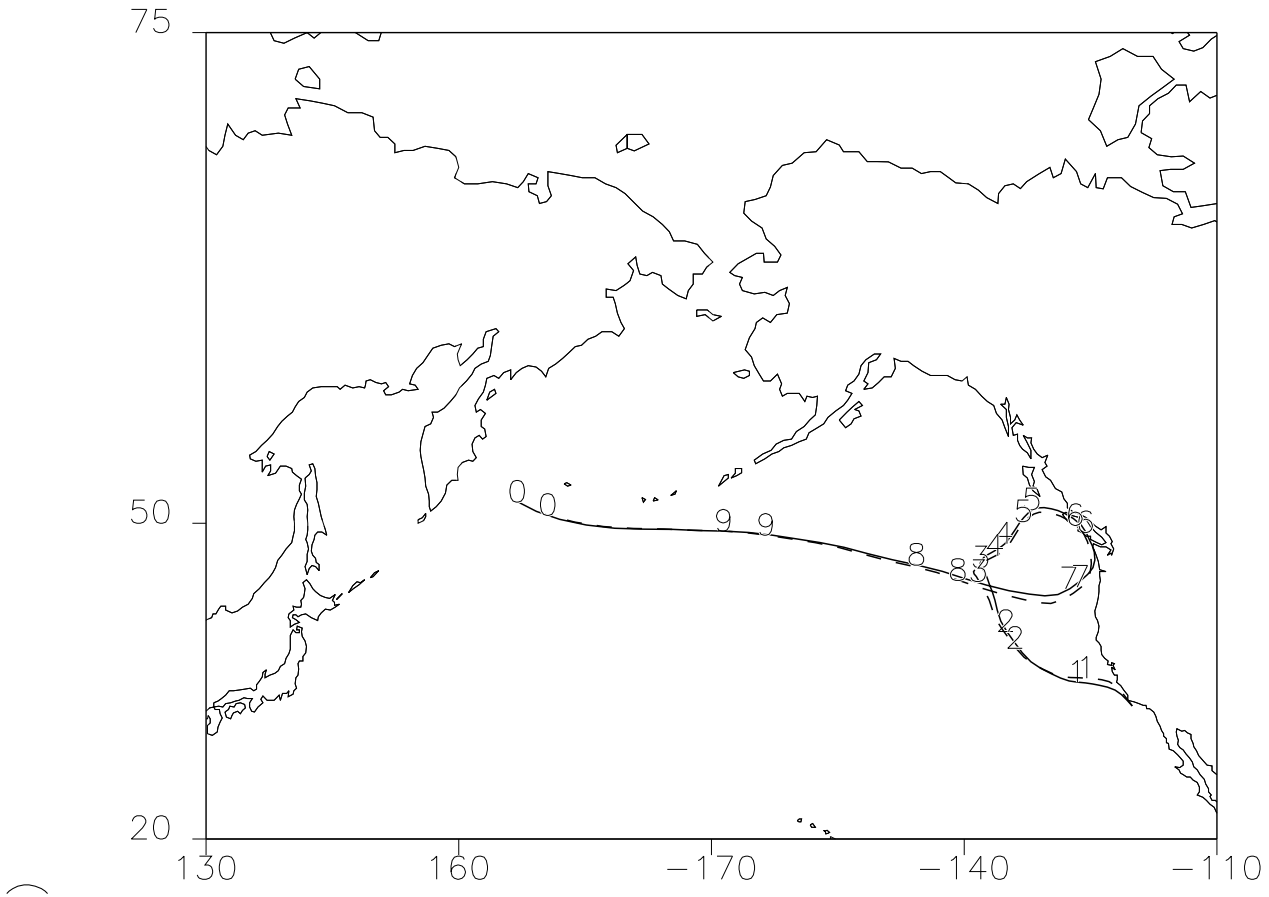
Day	km	hPa	C
0	0.3	981	11
1	0.2	995	11
2	0.4	969	6
3	0.7	930	3
4	1.1	886	0
5	0.9	909	5
6	1.3	861	0
7	0.6	938	6
8	0.9	916	1
9	1.9	800	−7
10	1.6	826	−3

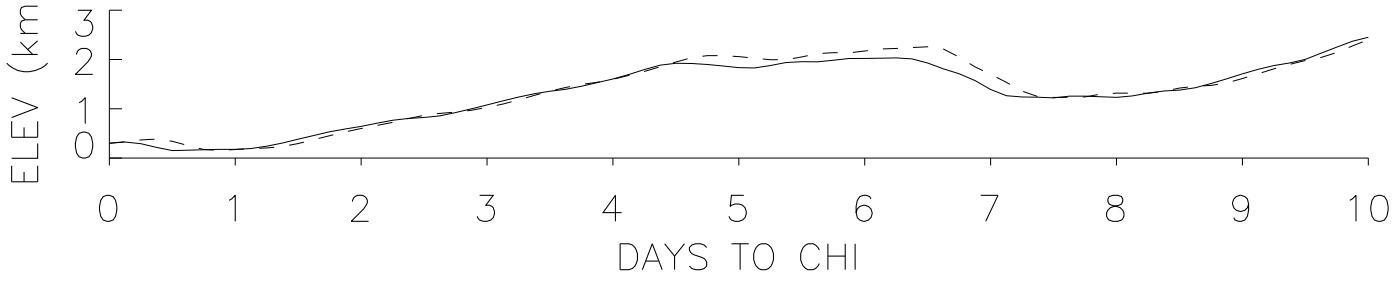
06UT

Day	km	hPa	C
0	0.3	982	11
1	0.2	996	11
2	0.6	949	5
3	1.0	904	2
4	1.5	846	−2
5	1.4	848	0
6	1.6	826	0
7	1.1	882	1
8	0.5	950	9
9	0.5	962	15
10	0.7	947	17

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/30/2003 (Day of Year 120)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	0.3	981	10
1	0.2	996	11
2	0.6	941	5
3	1.1	895	1
4	1.6	831	−4
5	1.8	804	−4
6	2.0	782	−6
7	1.4	849	1
8	1.2	867	−2
9	1.7	810	−6
10	2.5	727	−16

18UT

Day	km	hPa	C
0	0.3	982	13
1	0.2	999	11
2	0.6	946	7
3	1.0	902	3
4	1.6	834	−4
5	2.1	782	−6
6	2.2	768	−8
7	1.7	818	−1
8	1.3	859	−1
9	1.6	823	−5
10	2.4	732	−16

12UT − solid
18UT − dashed