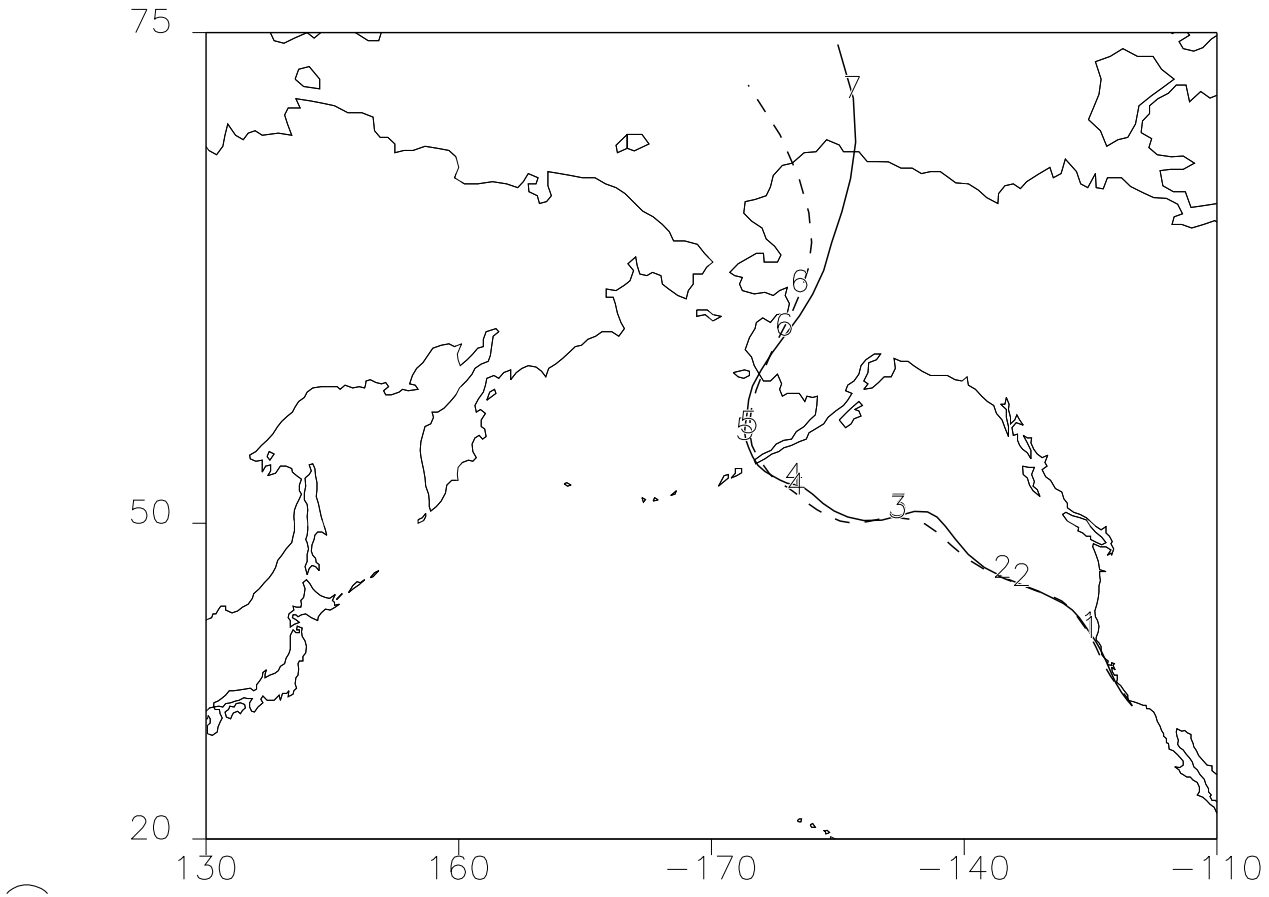
3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/1/2004 (Day of Year 92)
NCEP/NCAR Reanalysis 1 Data Set

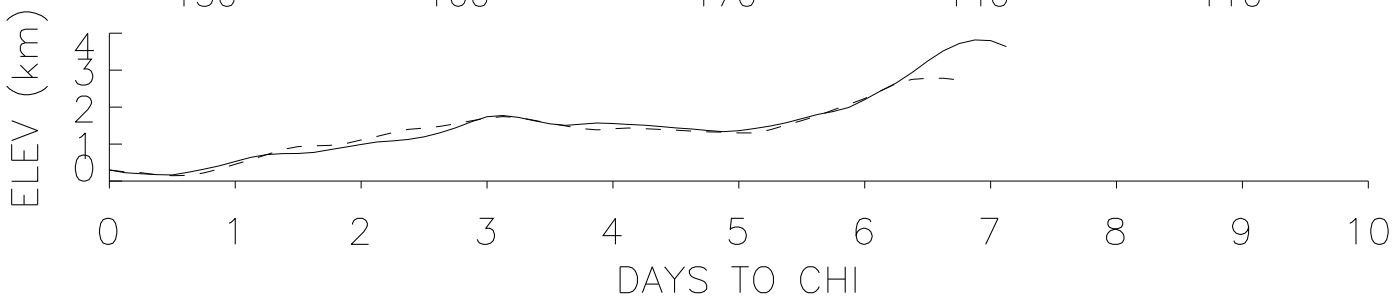


00UT

Day	km	hPa	C
0	0.3	977	15
1	0.5	957	6
2	1.0	891	−2
3	1.7	808	−11
4	1.6	825	−12
5	1.4	845	−11
6	2.2	754	−17
7	3.8	607	−32

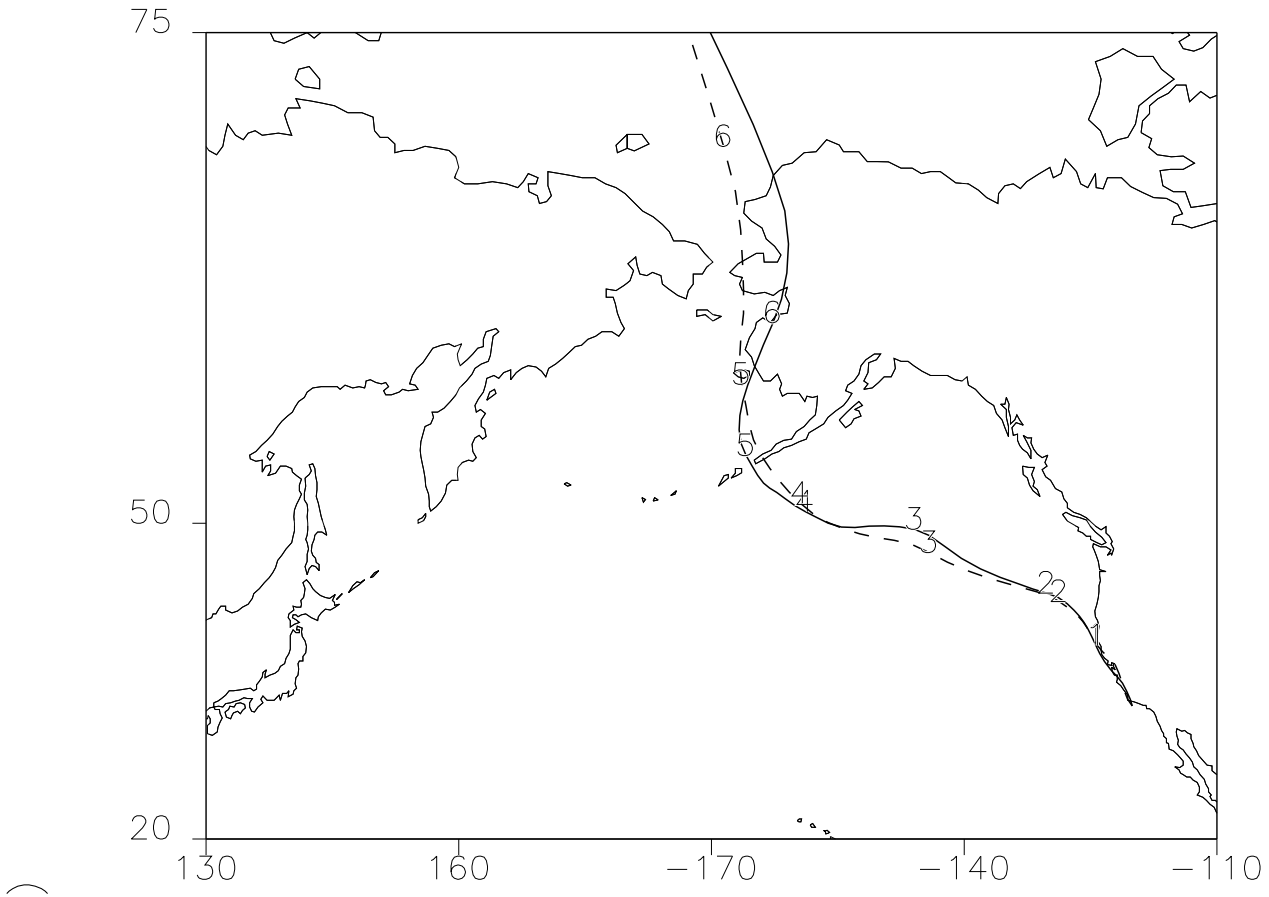
06UT

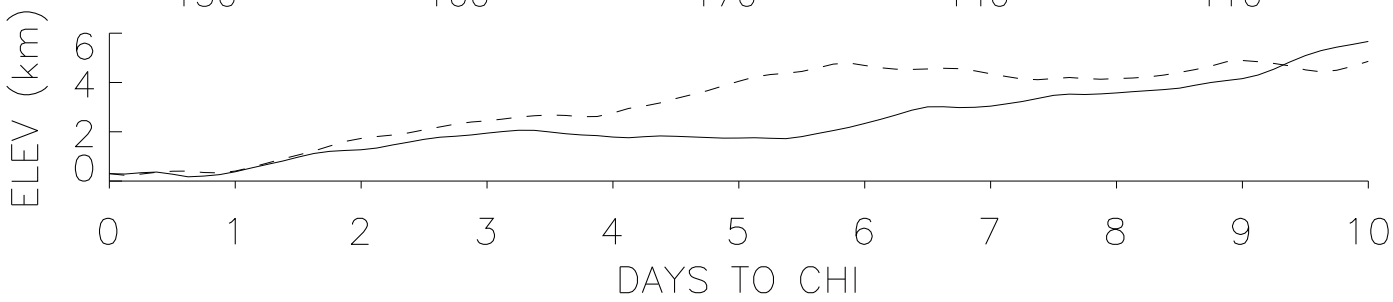
Day	km	hPa	C
0	0.3	978	14
1	0.5	967	5
2	1.1	885	0
3	1.7	812	−12
4	1.4	841	−10
5	1.3	851	−13
6	2.2	750	−21



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/1/2004 (Day of Year 92)
NCEP/NCAR Reanalysis 1 Data Set





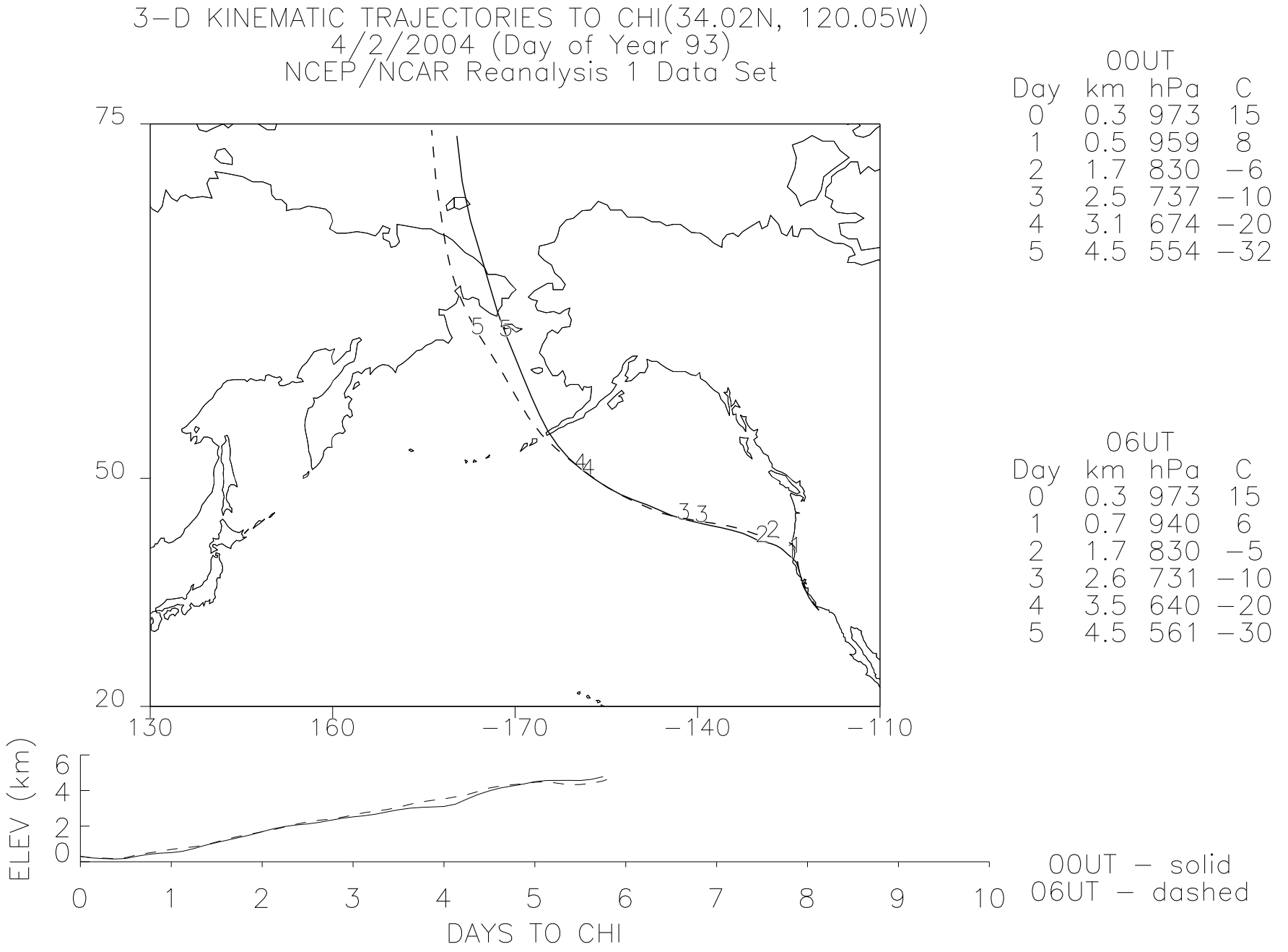
12UT

Day	km	hPa	C
0	0.3	976	13
1	0.4	975	5
2	1.3	869	−4
3	1.9	788	−13
4	1.8	801	−13
5	1.7	804	−16
6	2.3	741	−19
7	3.0	677	−24
8	3.6	627	−26
9	4.2	566	−34
10	5.7	458	−49

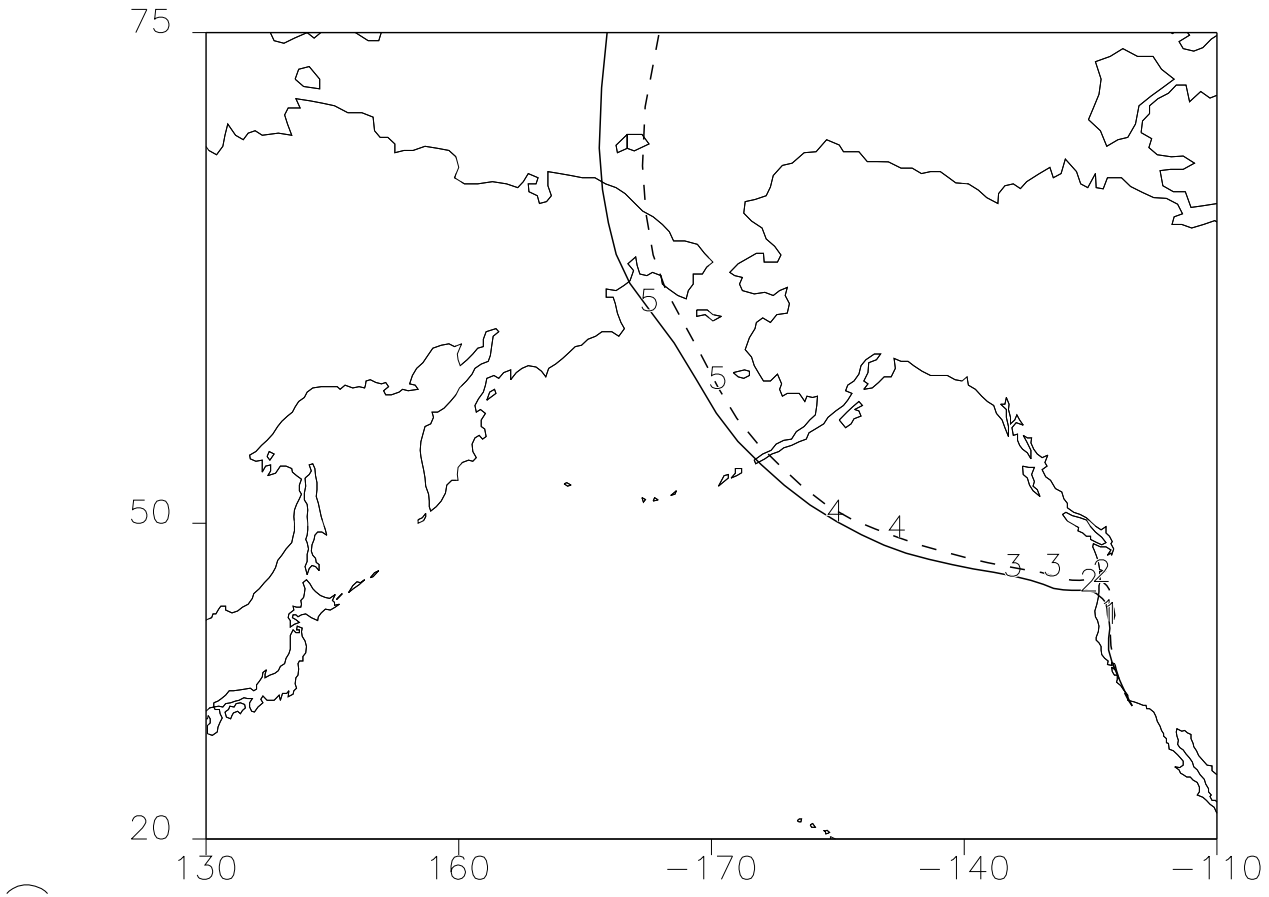
18UT

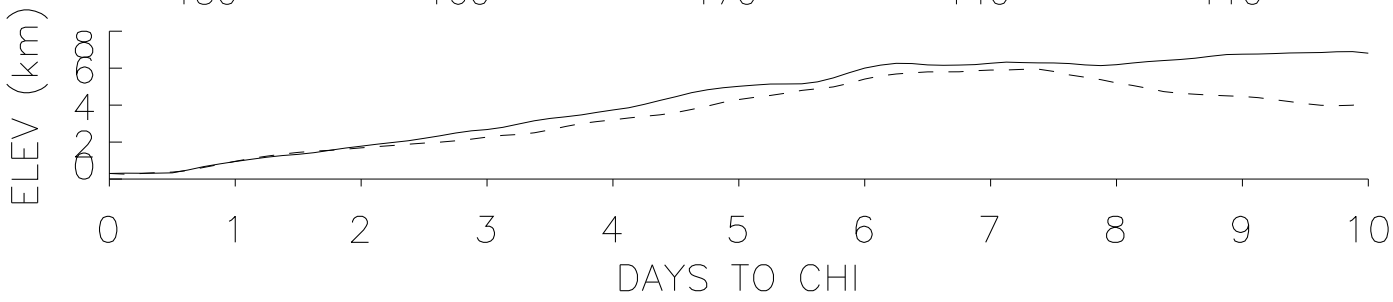
Day	km	hPa	C
0	0.3	976	15
1	0.4	971	8
2	1.7	825	−6
3	2.4	739	−13
4	2.8	705	−19
5	4.0	586	−30
6	4.7	536	−35
7	4.4	564	−33
8	4.2	583	−31
9	4.9	514	−34
10	4.9	521	−33

12UT − solid
18UT − dashed


3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/2/2004 (Day of Year 93)
NCEP/NCAR Reanalysis 1 Data Set
00UT
Day km hPa C
0 0.3 973 15
1 0.5 959 8
2 1.7 830 -6
3 2.5 737 -10
4 3.1 674 -20
5 4.5 554 -32
06UT
Day km hPa C
0 0.3 973 15
1 0.7 940 6
2 1.7 830 -5
3 2.6 731 -10
4 3.5 640 -20
5 4.5 561 -30
75
50
20
130
160
-170
-140
-110
ELEV (km)
6
4
2
0
0 1 2 3 4 5 6 7 8 9 10
DAYS TO CHI
00UT - solid
06UT - dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/2/2004 (Day of Year 93)
NCEP/NCAR Reanalysis 1 Data Set





12UT

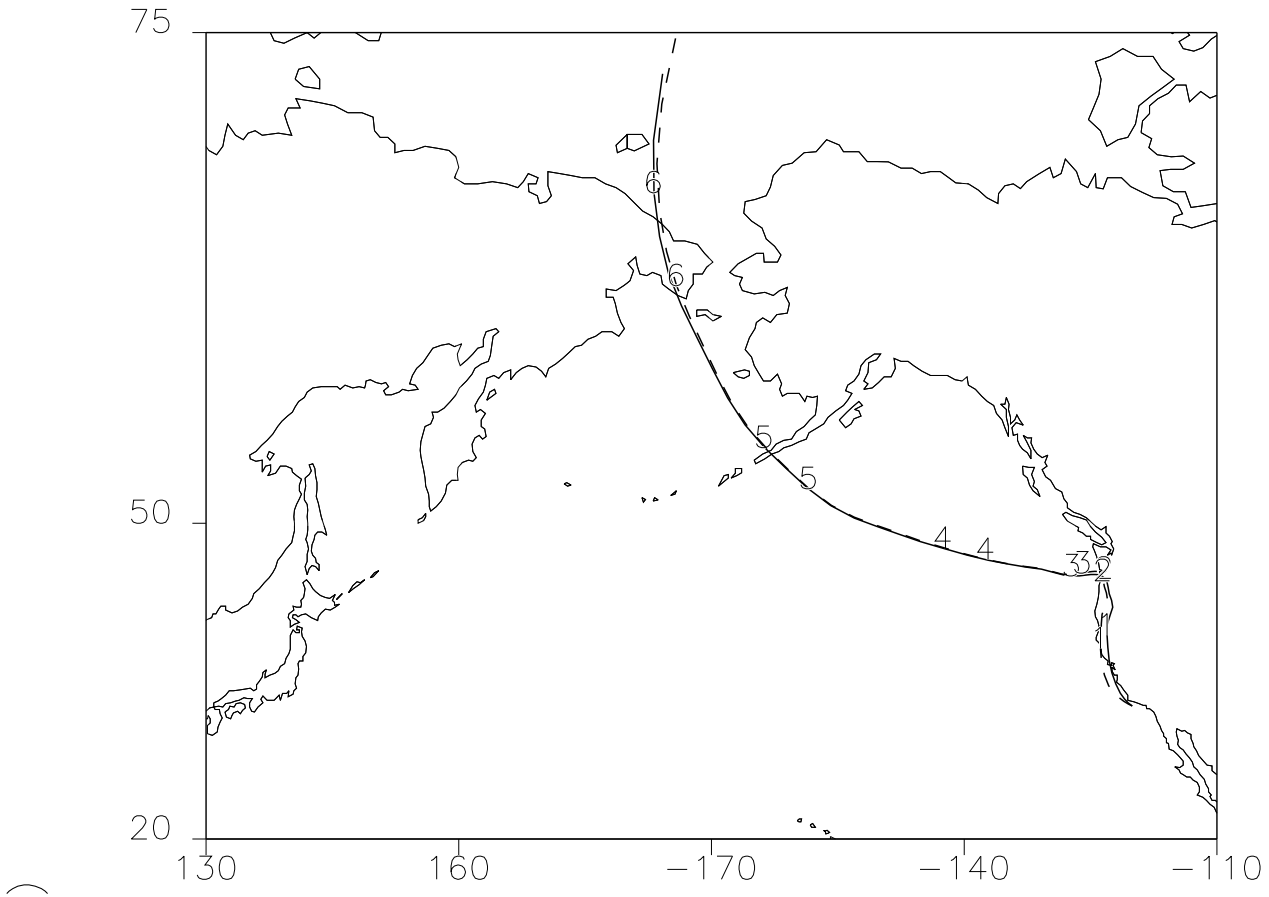
Day	km	hPa	C
0	0.3	972	12
1	0.9	911	1
2	1.8	818	−6
3	2.7	724	−10
4	3.7	622	−20
5	5.0	519	−33
6	6.0	449	−42
7	6.3	430	−43
8	6.2	445	−41
9	6.8	413	−45
10	6.8	412	−46

18UT

Day	km	hPa	C
0	0.3	973	14
1	1.0	910	3
2	1.7	829	−4
3	2.3	767	−10
4	3.2	668	−18
5	4.3	570	−28
6	5.4	487	−41
7	5.9	450	−43
8	5.2	500	−36
9	4.5	568	−24
10	4.1	602	−20

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/3/2004 (Day of Year 94)
NCEP/NCAR Reanalysis 1 Data Set

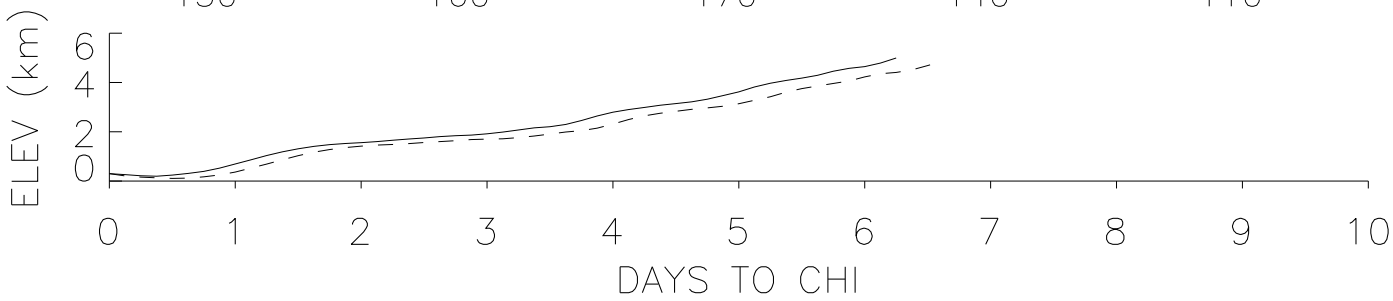


00UT

Day	km	hPa	C
0	0.3	973	14
1	0.7	937	9
2	1.6	843	−3
3	1.9	804	−9
4	2.8	706	−13
5	3.6	625	−24
6	4.6	544	−35

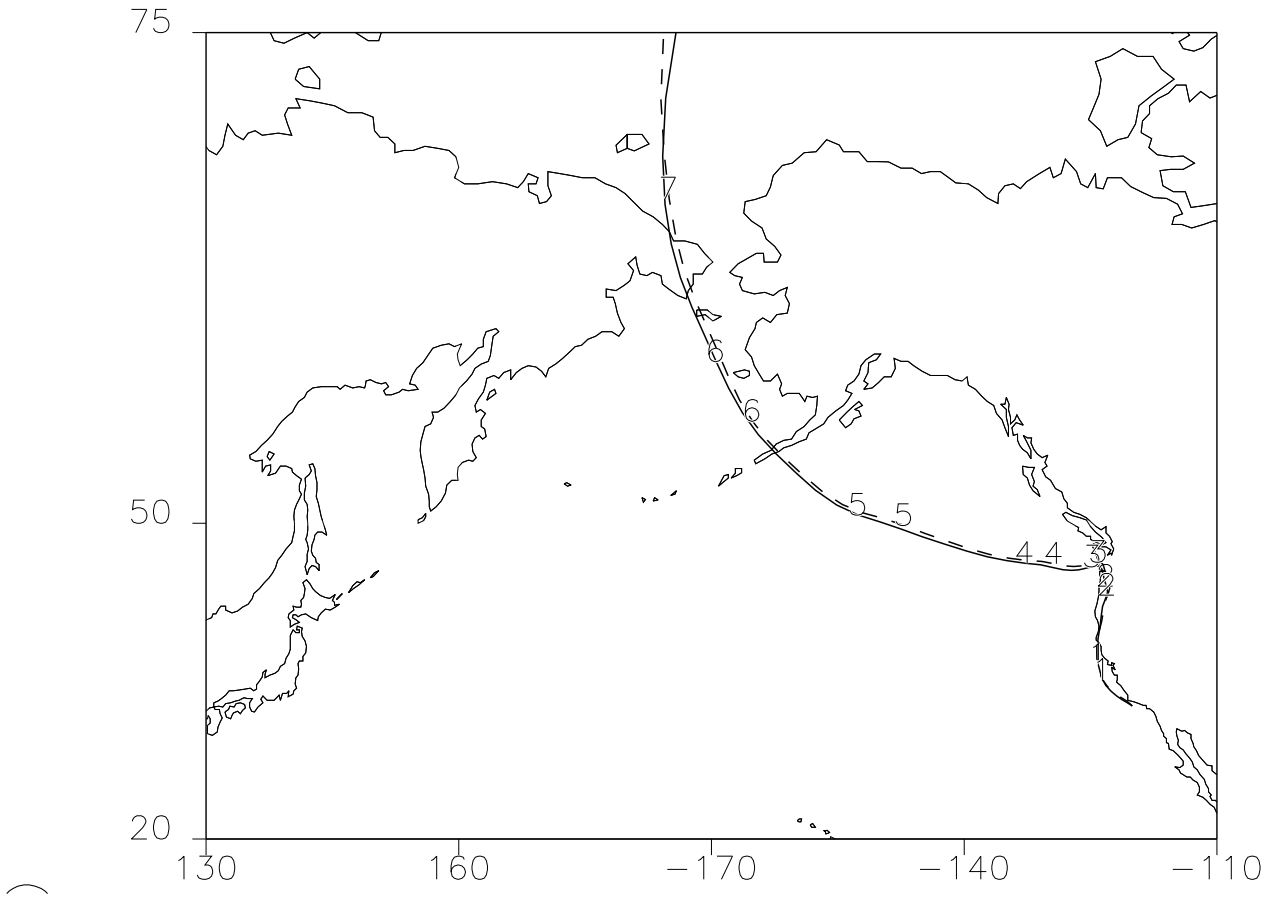
06UT

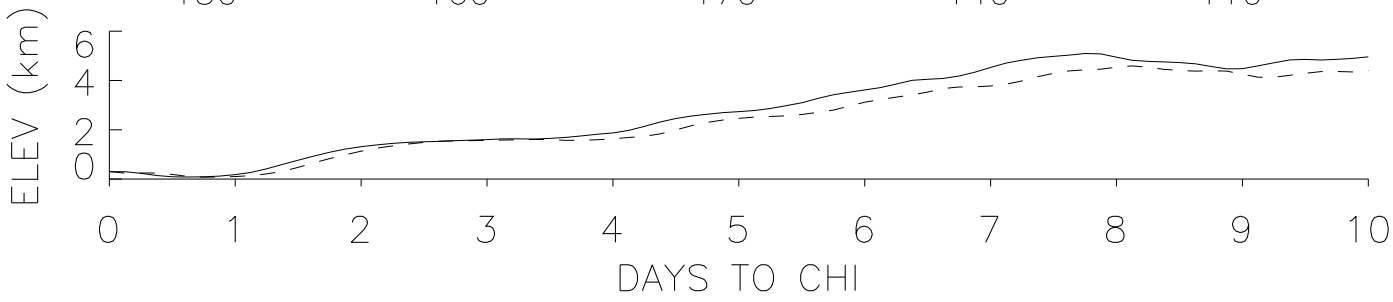
Day	km	hPa	C
0	0.3	977	13
1	0.4	975	10
2	1.4	860	−1
3	1.7	827	−7
4	2.3	756	−10
5	3.1	670	−20
6	4.2	576	−31



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/3/2004 (Day of Year 94)
NCEP/NCAR Reanalysis 1 Data Set





12UT

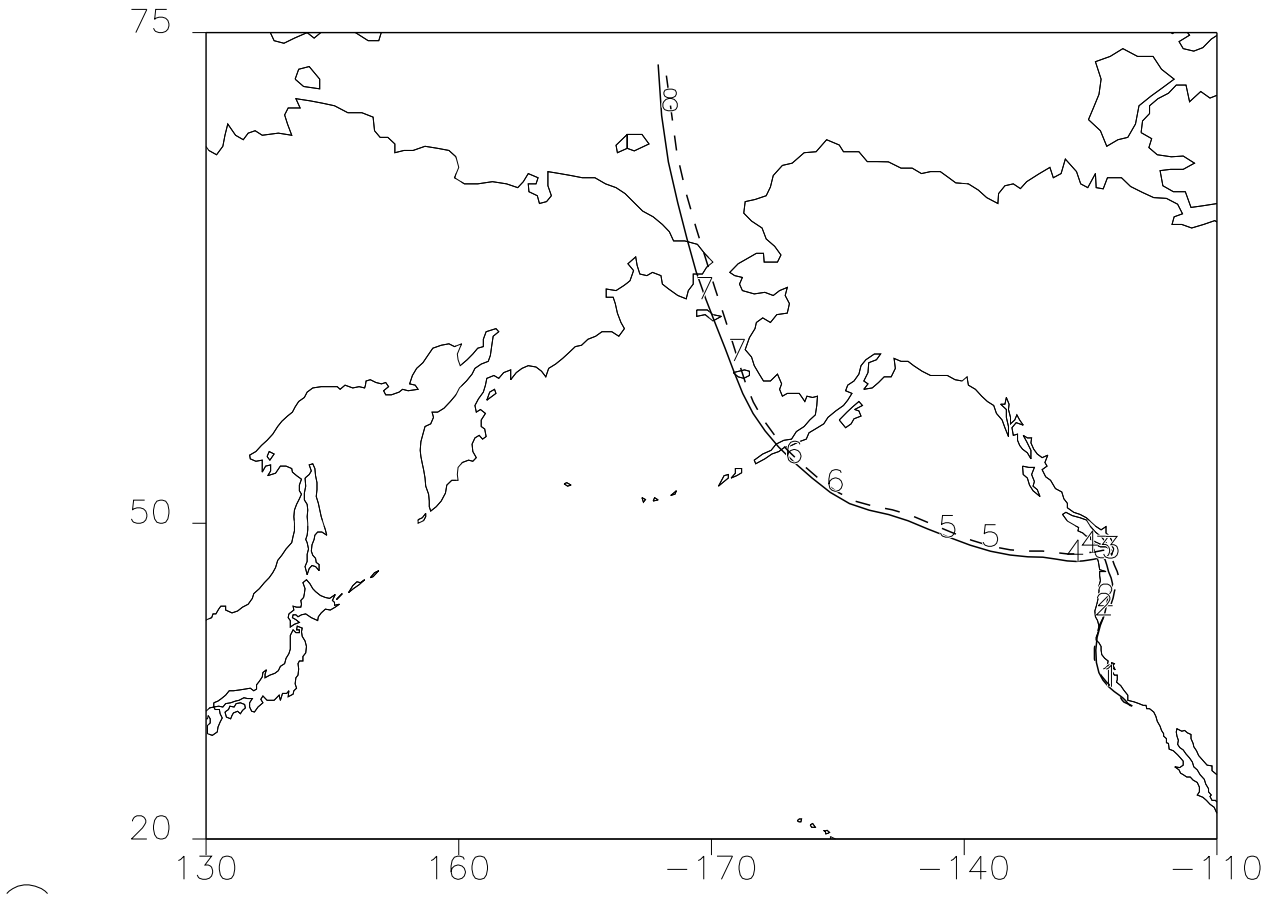
Day	km	hPa	C
0	0.3	977	12
1	0.2	993	10
2	1.3	872	−2
3	1.6	836	−6
4	1.9	802	−8
5	2.7	709	−18
6	3.6	625	−26
7	4.5	550	−35
8	4.9	514	−39
9	4.5	549	−31
10	5.0	524	−34

18UT

Day	km	hPa	C
0	0.3	980	14
1	0.1	999	13
2	1.1	893	1
3	1.6	841	−5
4	1.6	831	−6
5	2.5	735	−16
6	3.1	669	−23
7	3.8	613	−30
8	4.5	548	−35
9	4.3	568	−30
10	4.4	568	−28

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/4/2004 (Day of Year 95)
NCEP/NCAR Reanalysis 1 Data Set

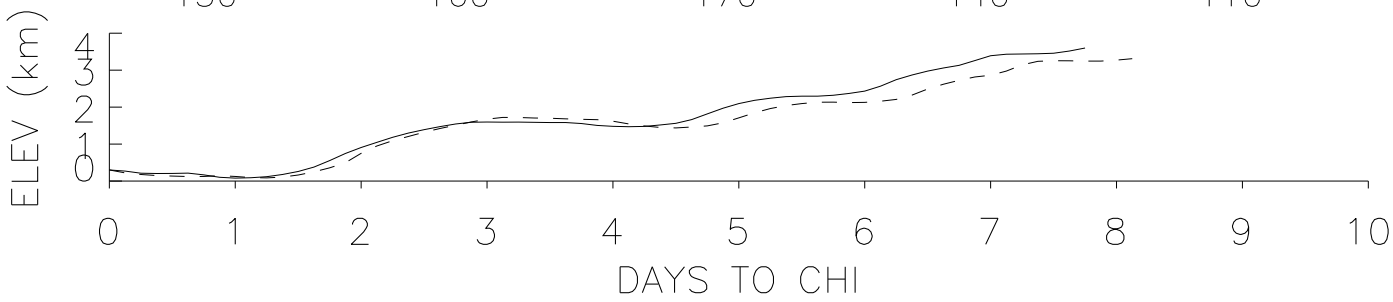


00UT

Day	km	hPa	C
0	0.3	978	14
1	0.1	1000	15
2	0.9	917	6
3	1.6	839	−4
4	1.5	850	−6
5	2.1	772	−11
6	2.4	732	−21
7	3.4	645	−28

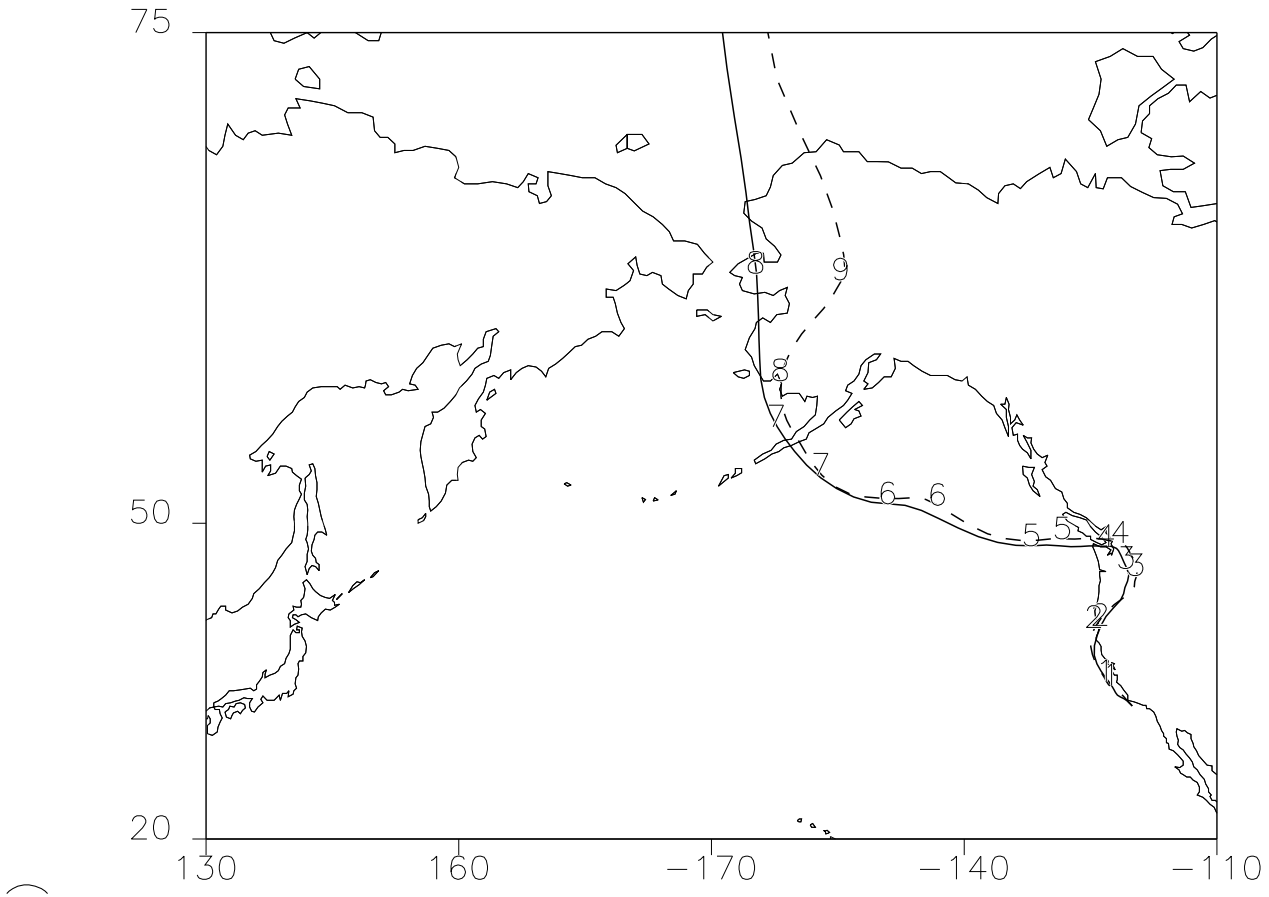
06UT

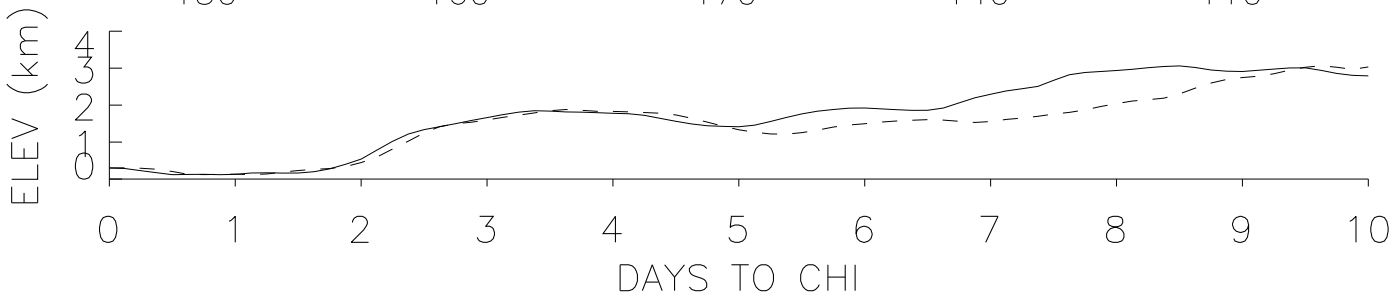
Day	km	hPa	C
0	0.3	981	13
1	0.1	998	13
2	0.7	934	5
3	1.7	832	−4
4	1.6	835	−7
5	1.7	815	−7
6	2.1	765	−17
7	2.9	693	−25
8	3.3	658	−27



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/4/2004 (Day of Year 95)
NCEP/NCAR Reanalysis 1 Data Set





12UT

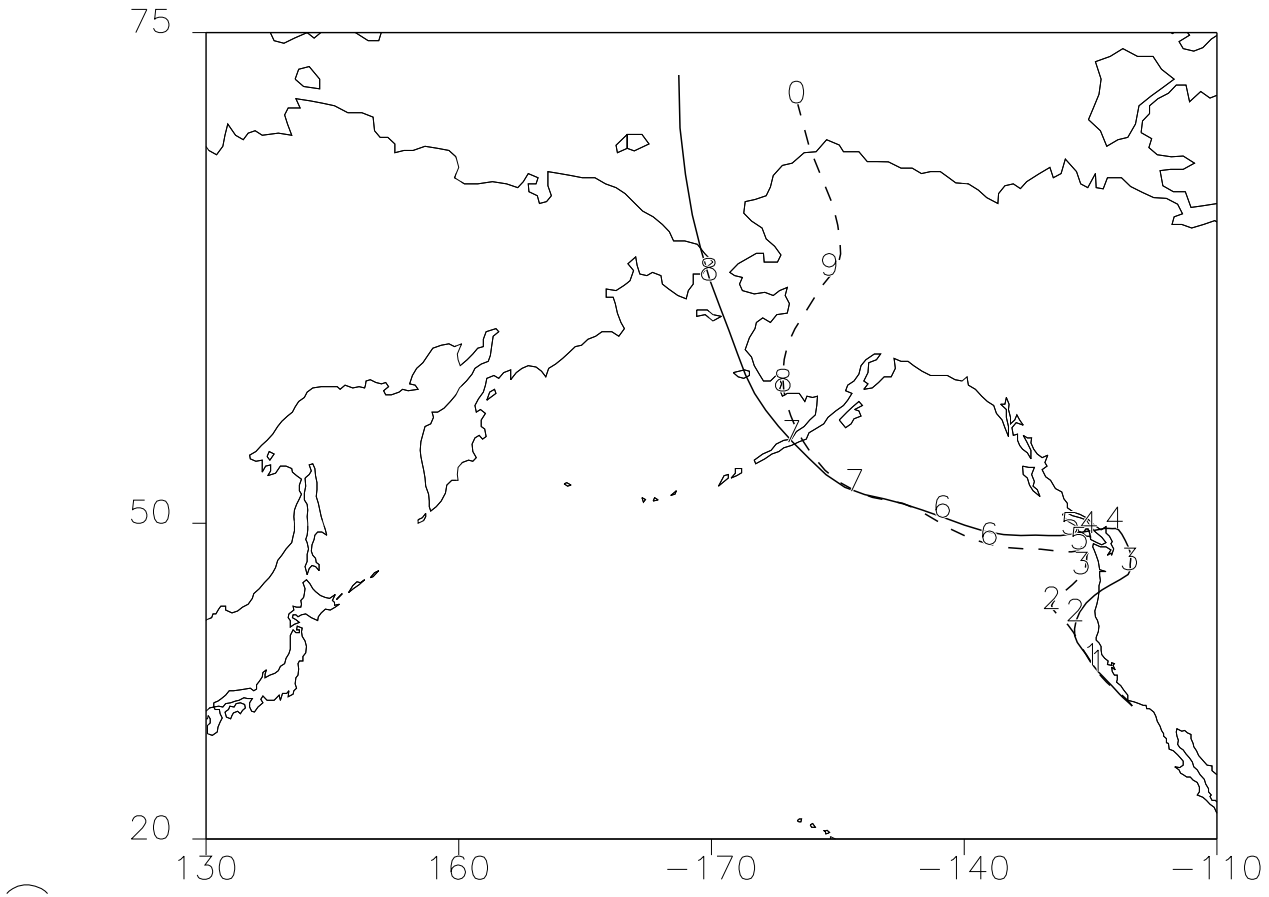
Day	km	hPa	C
0	0.3	980	12
1	0.1	998	13
2	0.5	955	6
3	1.7	833	−5
4	1.8	817	−8
5	1.4	848	−6
6	1.9	787	−16
7	2.3	745	−20
8	2.9	685	−26
9	2.9	686	−27
10	2.8	698	−28

18UT

Day	km	hPa	C
0	0.3	982	14
1	0.1	1000	14
2	0.4	964	9
3	1.6	841	−4
4	1.8	814	−7
5	1.3	860	−5
6	1.5	830	−11
7	1.6	822	−14
8	2.0	768	−20
9	2.7	698	−25
10	3.0	670	−27

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/5/2004 (Day of Year 96)
NCEP/NCAR Reanalysis 1 Data Set

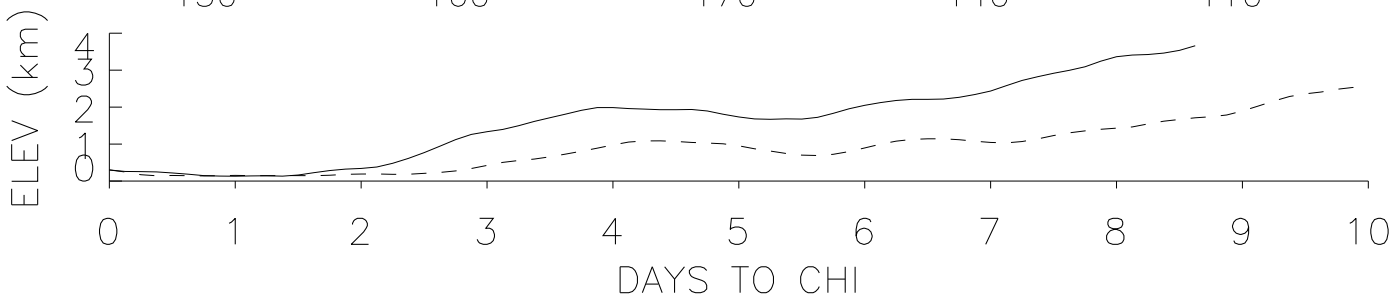


00UT

Day	km	hPa	C
0	0.3	980	14
1	0.1	1000	15
2	0.3	975	11
3	1.3	871	2
4	2.0	797	−8
5	1.7	820	−8
6	2.0	773	−13
7	2.4	730	−22
8	3.4	647	−28

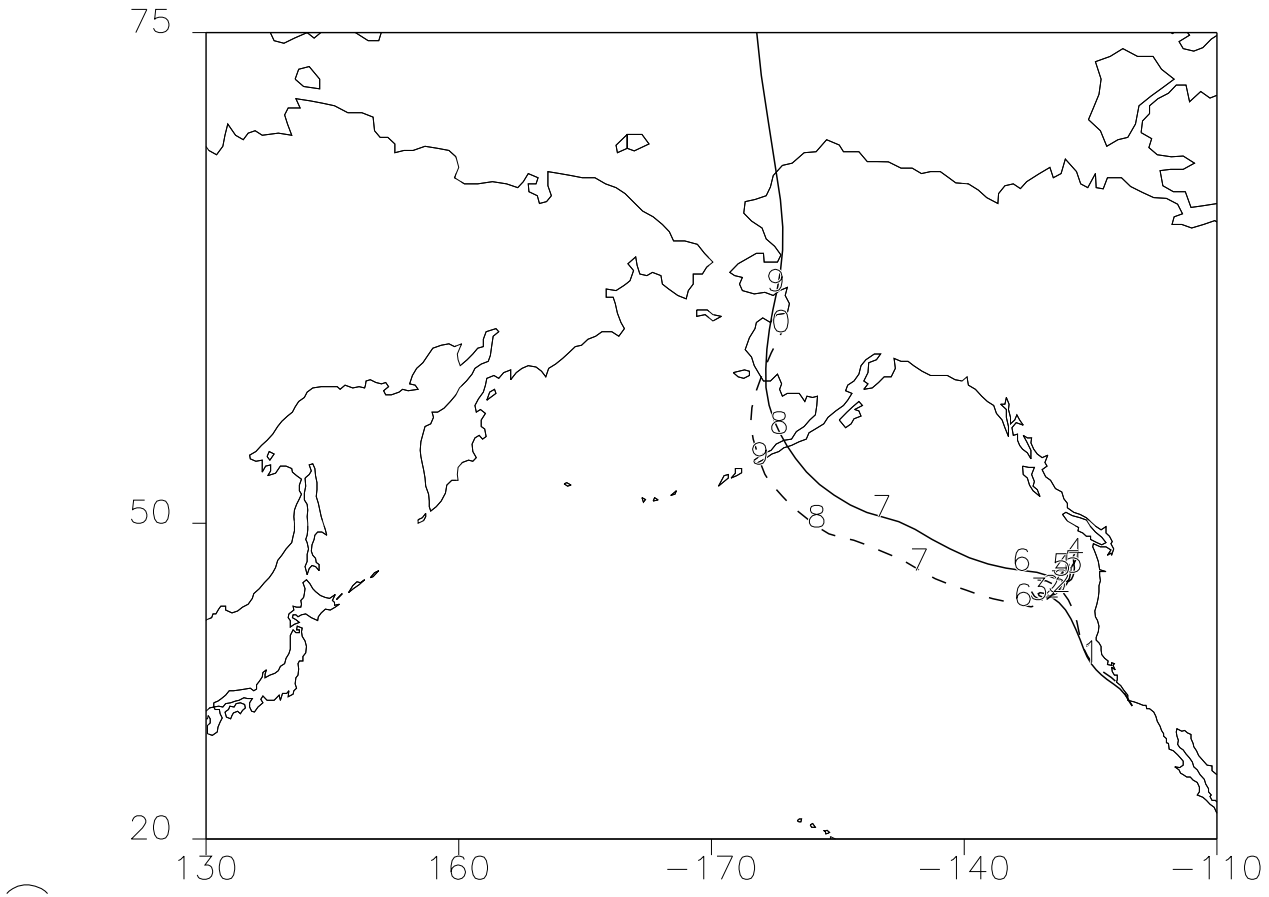
06UT

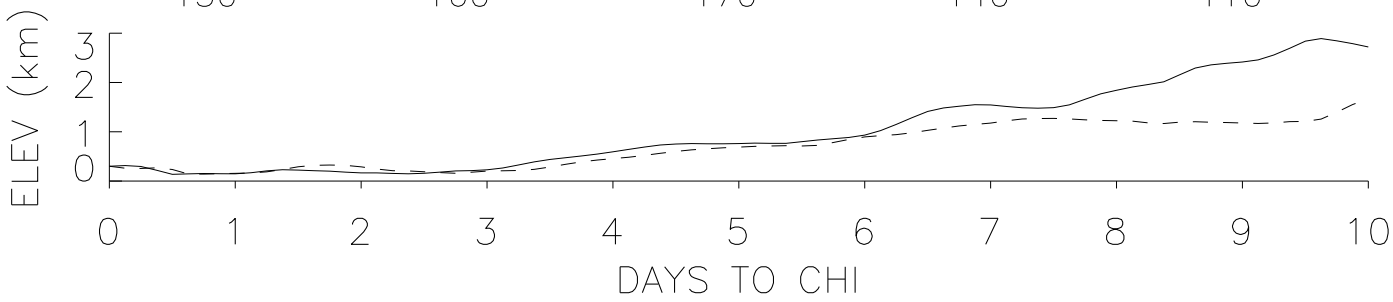
Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	11
2	0.2	993	11
3	0.4	977	7
4	1.0	909	0
5	1.0	908	−3
6	0.9	904	−2
7	1.0	881	−11
8	1.4	837	−17
9	1.9	784	−22
10	2.5	716	−27



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/5/2004 (Day of Year 96)
NCEP/NCAR Reanalysis 1 Data Set





12UT

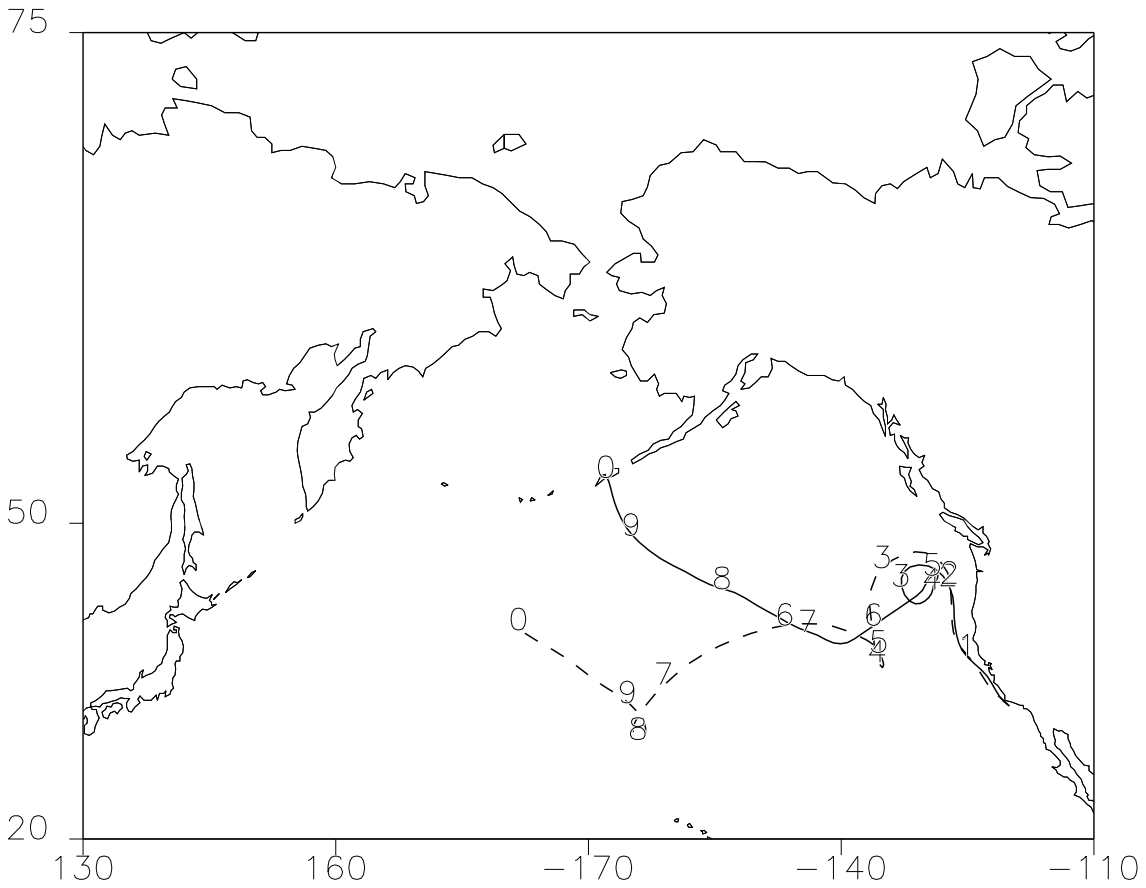
Day	km	hPa	C
0	0.3	980	12
1	0.1	1000	10
2	0.2	995	11
3	0.2	998	10
4	0.6	955	4
5	0.8	929	1
6	0.9	905	−3
7	1.5	829	−13
8	1.8	792	−19
9	2.4	734	−23
10	2.7	701	−27

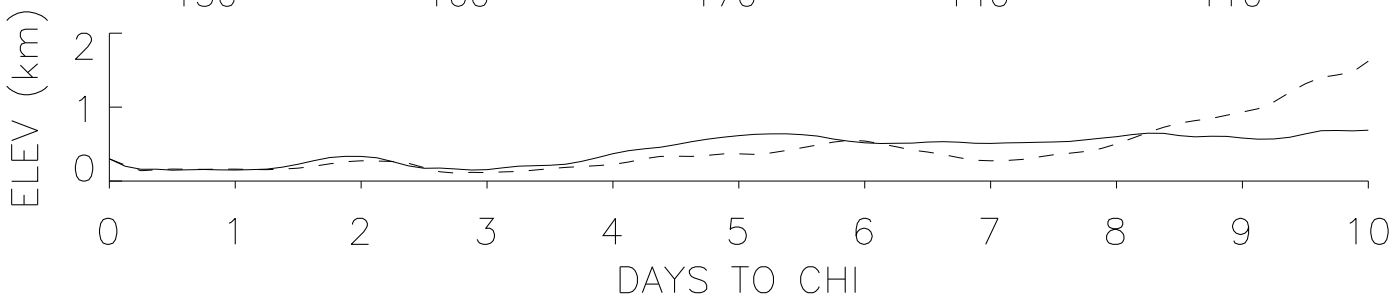
18UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	1000	12
2	0.3	982	10
3	0.2	1000	10
4	0.5	973	5
5	0.7	938	5
6	0.9	918	0
7	1.2	875	−7
8	1.2	864	−8
9	1.2	866	−12
10	1.7	809	−18

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/6/2004 (Day of Year 97)
NCEP/NCAR Reanalysis 1 Data Set





00UT

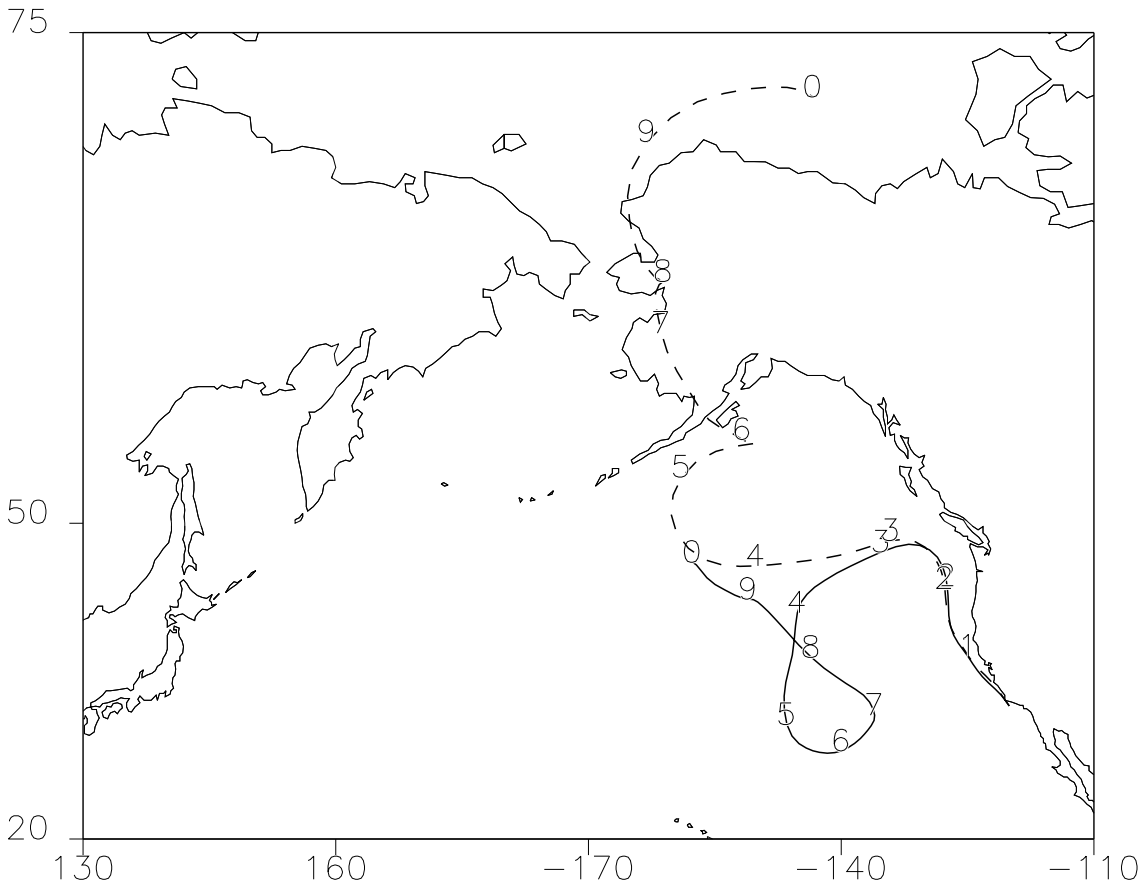
Day	km	hPa	C
0	0.3	980	14
1	0.1	1000	12
2	0.3	978	10
3	0.2	1000	10
4	0.4	984	7
5	0.6	947	5
6	0.5	960	6
7	0.5	960	3
8	0.6	942	−1
9	0.6	939	−3
10	0.7	923	−5

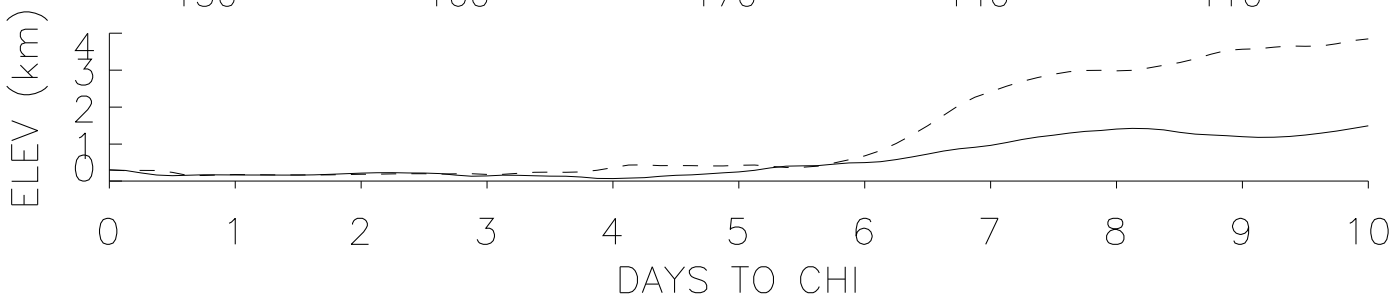
06UT

Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	10
2	0.3	987	8
3	0.1	1000	9
4	0.2	999	12
5	0.4	984	10
6	0.5	955	8
7	0.3	989	13
8	0.5	968	13
9	0.9	916	6
10	1.6	835	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/6/2004 (Day of Year 97)
NCEP/NCAR Reanalysis 1 Data Set





12UT

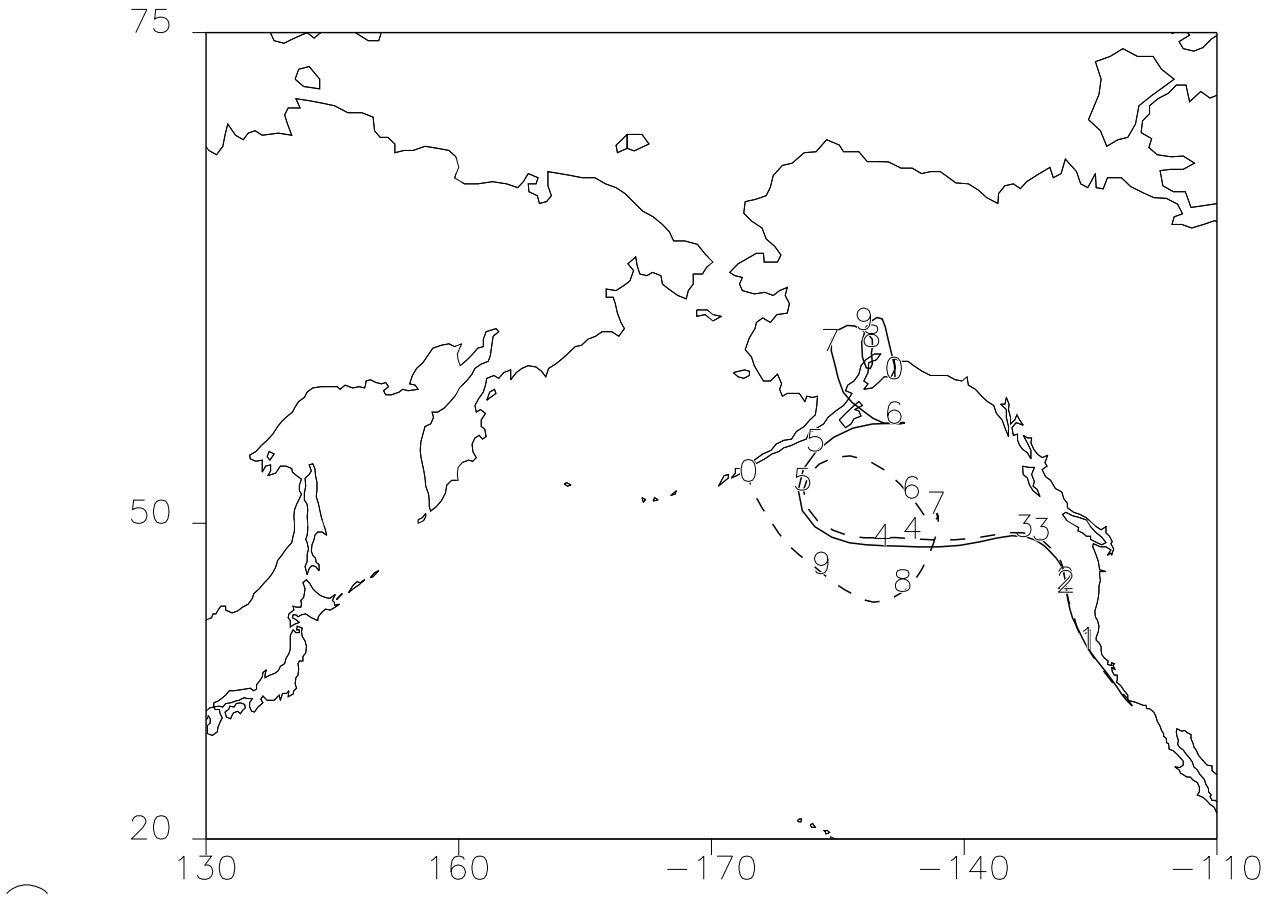
Day	km	hPa	C
0	0.3	982	10
1	0.2	1000	9
2	0.2	995	6
3	0.1	995	7
4	0.1	1000	11
5	0.2	993	16
6	0.5	967	10
7	1.0	914	7
8	1.4	856	−1
9	1.2	870	−4
10	1.5	836	−7

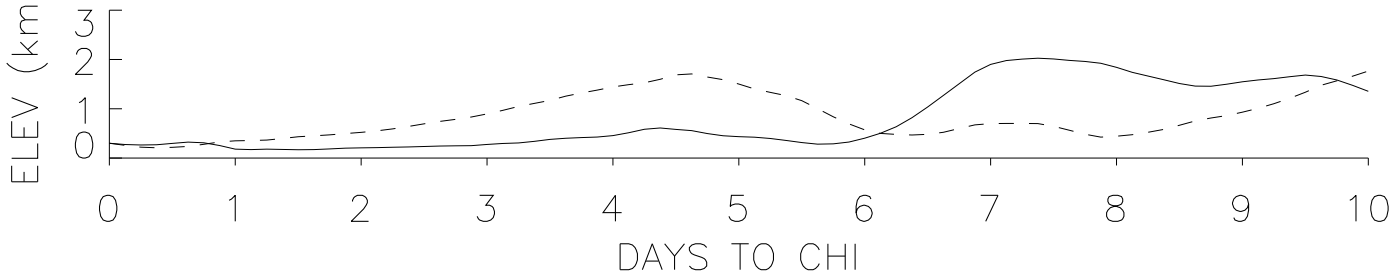
18UT

Day	km	hPa	C
0	0.3	983	12
1	0.2	1000	10
2	0.2	1000	7
3	0.2	993	5
4	0.4	961	3
5	0.4	953	−2
6	0.7	930	−12
7	2.4	720	−29
8	3.0	664	−34
9	3.6	618	−38
10	3.8	590	−40

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/7/2004 (Day of Year 98)
NCEP/NCAR Reanalysis 1 Data Set





00UT

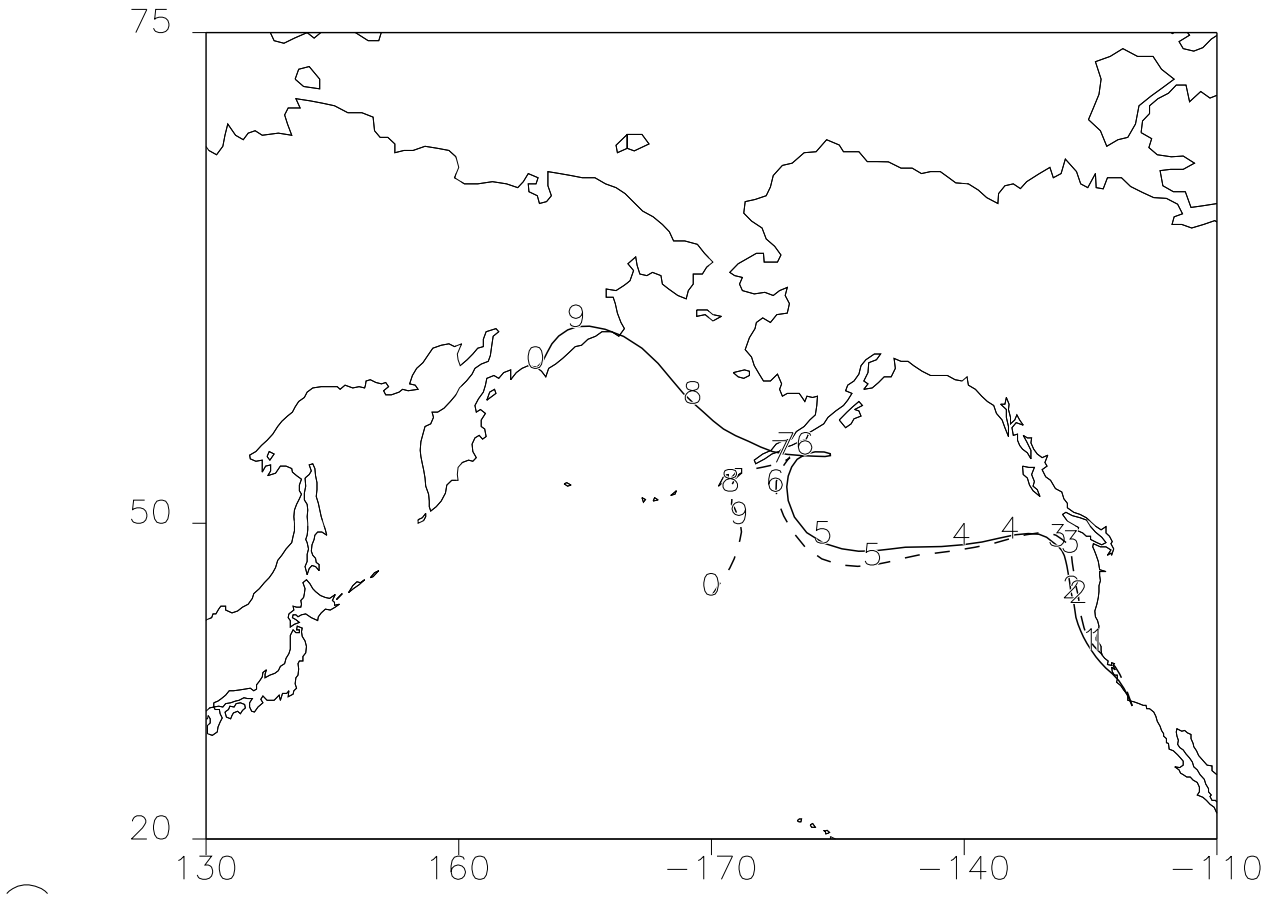
Day	km	hPa	C
0	0.3	981	12
1	0.2	998	10
2	0.2	996	7
3	0.3	985	4
4	0.5	950	−1
5	0.4	952	−4
6	0.4	967	−7
7	1.9	775	−27
8	1.8	784	−22
9	1.5	813	−15
10	1.4	844	−11

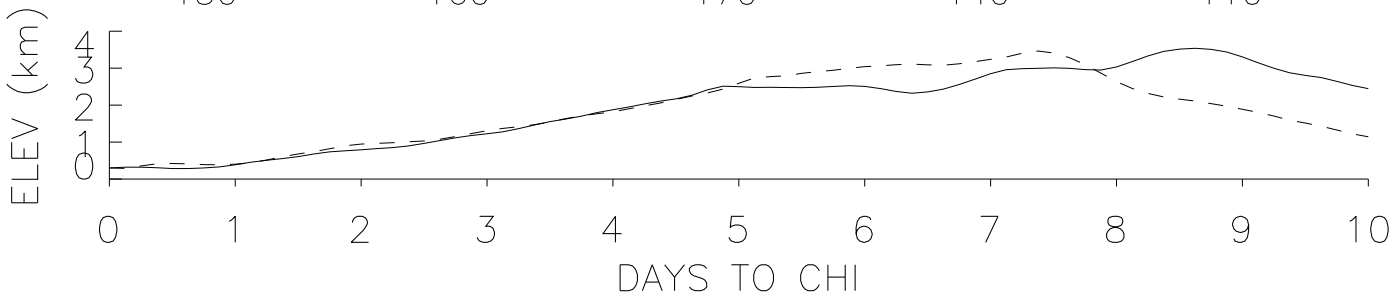
06UT

Day	km	hPa	C
0	0.3	982	11
1	0.4	979	8
2	0.5	958	4
3	0.9	915	−1
4	1.4	841	−4
5	1.5	825	−5
6	0.6	945	2
7	0.7	926	1
8	0.4	965	2
9	0.9	907	−5
10	1.8	807	−14

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/7/2004 (Day of Year 98)
NCEP/NCAR Reanalysis 1 Data Set





12UT

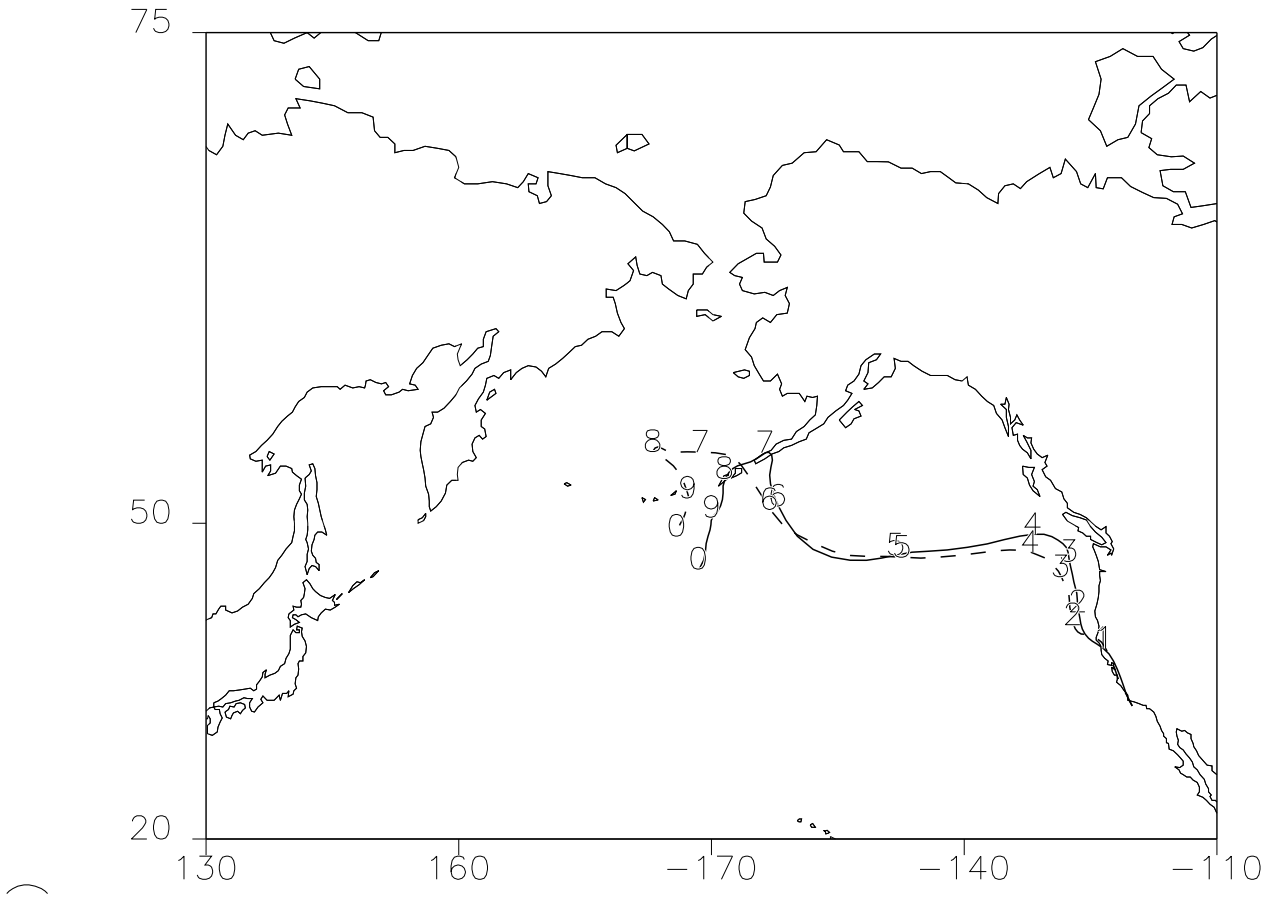
Day	km	hPa	C
0	0.3	981	10
1	0.4	974	6
2	0.8	926	0
3	1.2	878	−1
4	1.9	799	−6
5	2.5	728	−12
6	2.5	733	−13
7	2.9	699	−17
8	3.0	678	−21
9	3.3	658	−23
10	2.4	744	−13

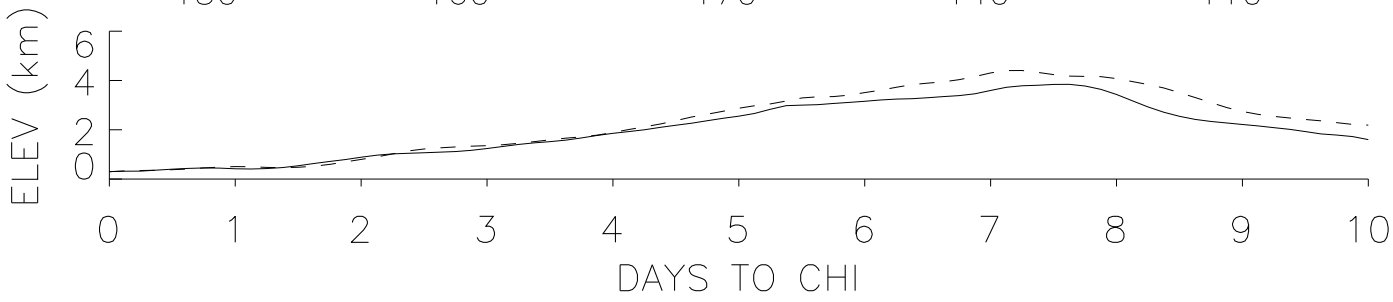
18UT

Day	km	hPa	C
0	0.3	982	15
1	0.4	973	9
2	0.9	910	1
3	1.3	870	0
4	1.8	809	−3
5	2.6	724	−11
6	3.0	683	−15
7	3.2	666	−18
8	2.6	717	−13
9	1.9	794	−8
10	1.1	885	−2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/8/2004 (Day of Year 99)
NCEP/NCAR Reanalysis 1 Data Set





00UT

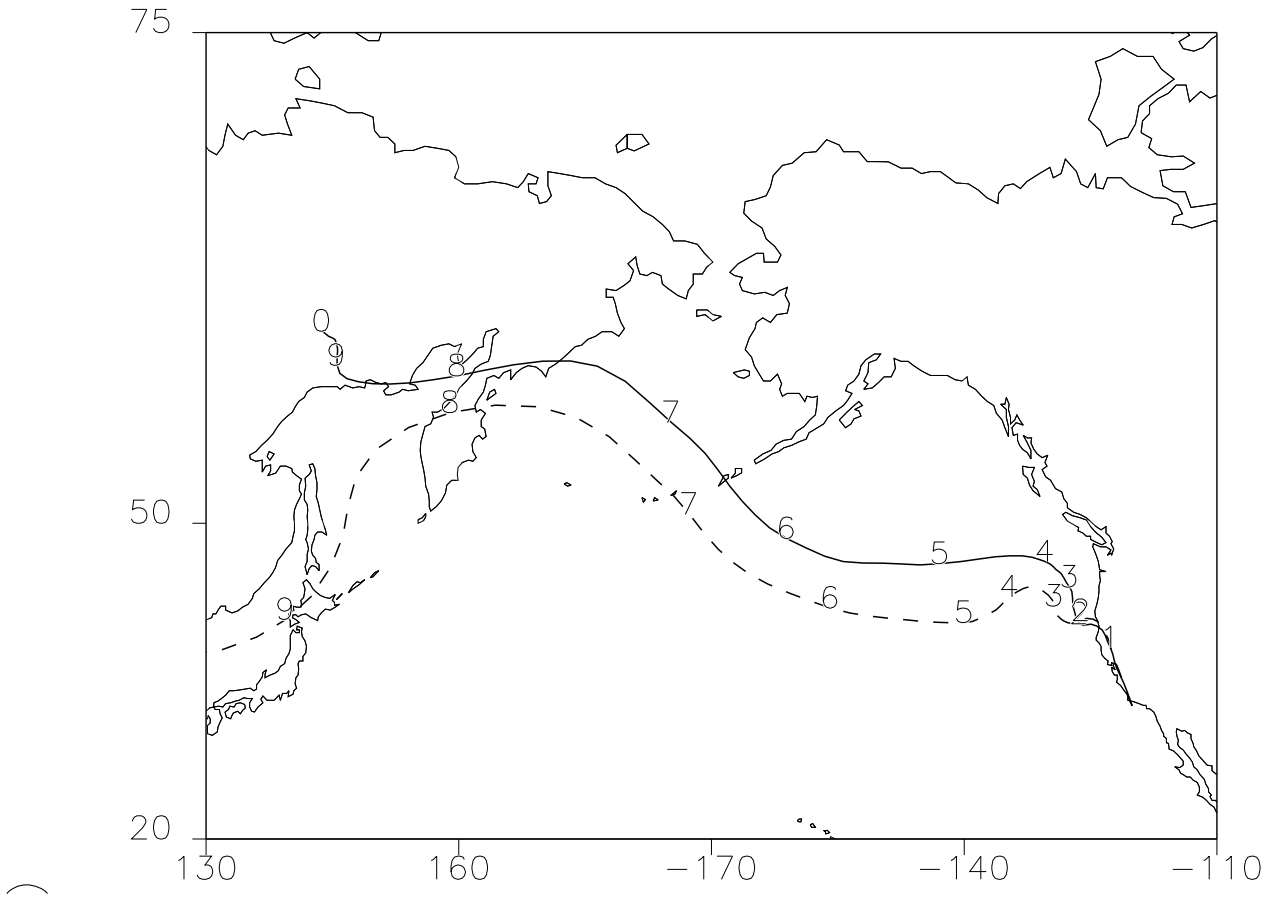
Day	km	hPa	C
0	0.3	978	17
1	0.4	970	12
2	0.9	916	3
3	1.2	877	2
4	1.9	808	−4
5	2.6	728	−11
6	3.2	671	−16
7	3.6	636	−21
8	3.4	646	−18
9	2.2	757	−9
10	1.6	831	−3

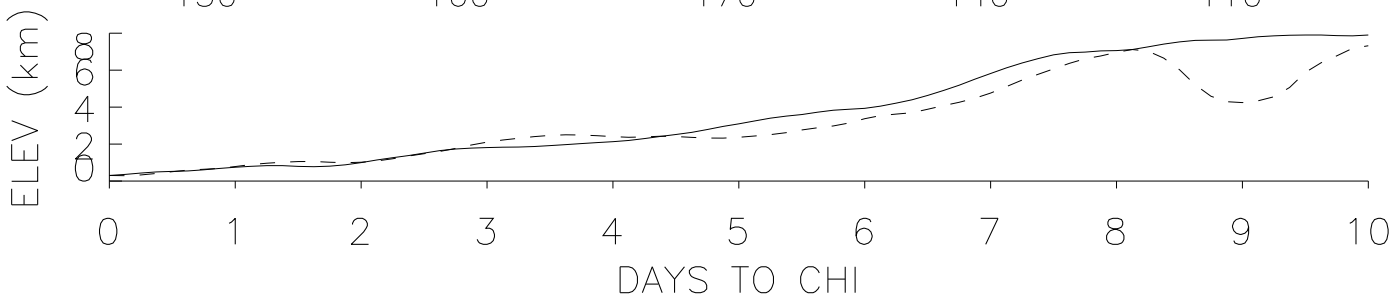
06UT

Day	km	hPa	C
0	0.3	979	15
1	0.5	962	10
2	0.8	927	3
3	1.4	864	1
4	1.9	808	−3
5	2.9	702	−11
6	3.5	640	−19
7	4.3	578	−27
8	4.1	592	−24
9	2.7	706	−13
10	2.2	767	−8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/8/2004 (Day of Year 99)
NCEP/NCAR Reanalysis 1 Data Set





12UT

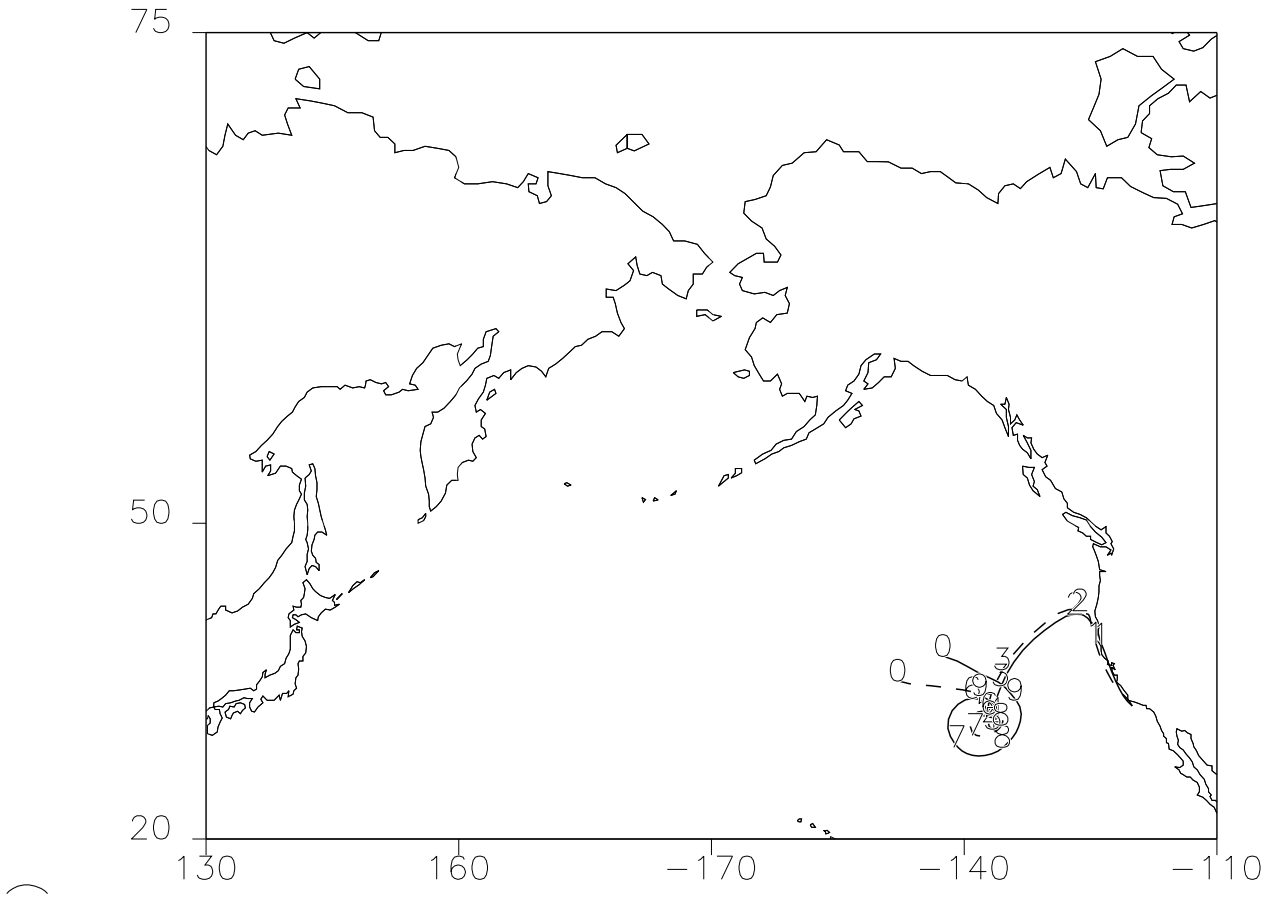
Day	km	hPa	C
0	0.3	978	14
1	0.7	934	8
2	1.0	903	3
3	1.8	816	0
4	2.1	784	−2
5	3.1	685	−10
6	3.9	604	−21
7	5.8	464	−37
8	7.1	378	−51
9	7.7	342	−51
10	7.9	335	−52

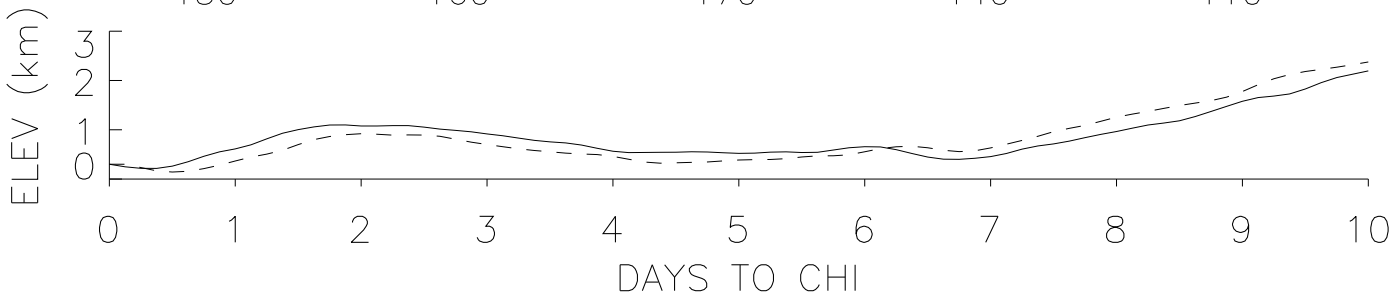
18UT

Day	km	hPa	C
0	0.3	979	16
1	0.8	930	13
2	1.0	902	4
3	2.1	789	0
4	2.4	759	−4
5	2.4	763	−3
6	3.4	662	−14
7	4.8	548	−24
8	7.0	390	−43
9	4.2	583	−17
10	7.3	385	−42

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/9/2004 (Day of Year 100)
NCEP/NCAR Reanalysis 1 Data Set





00UT

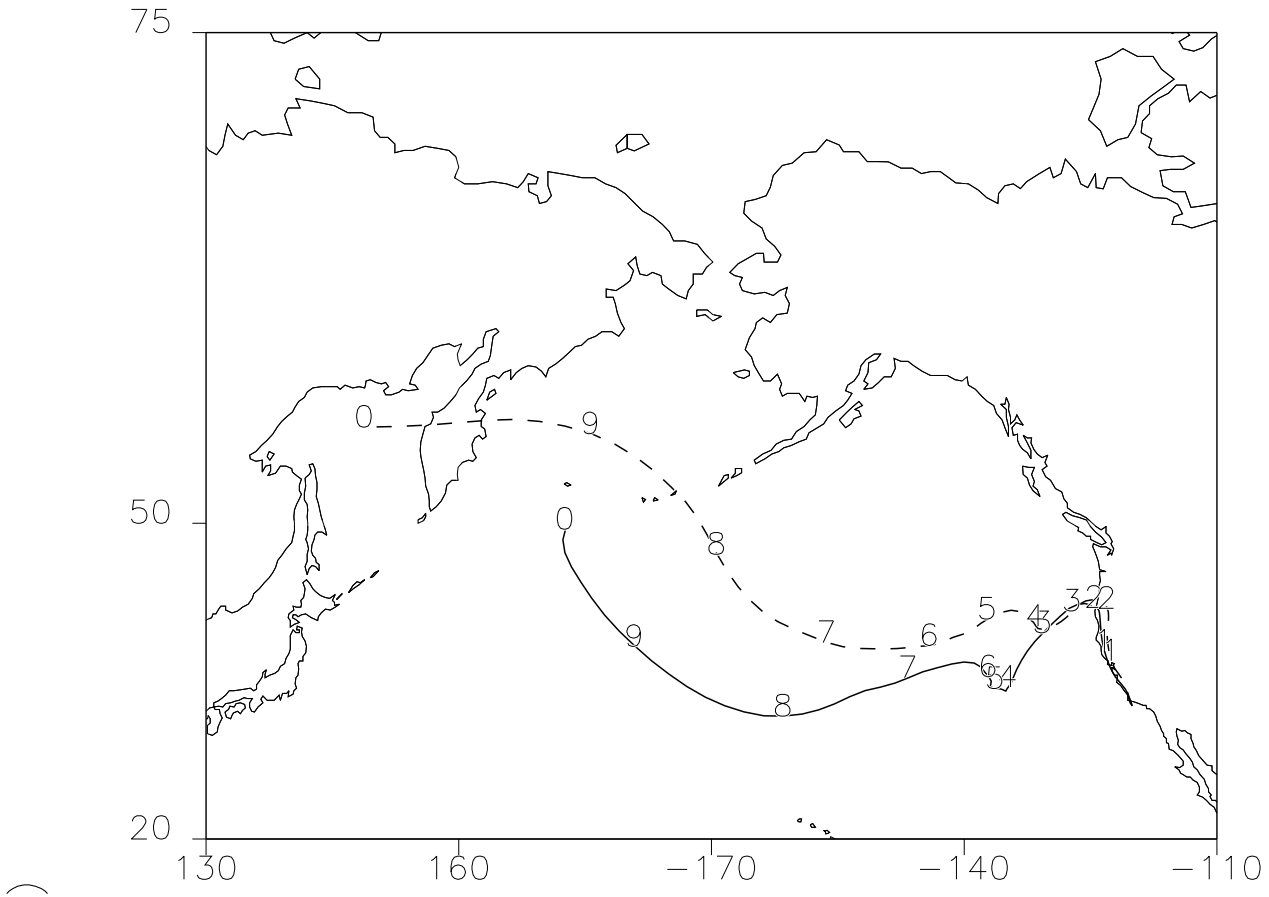
Day	km	hPa	C
0	0.3	977	15
1	0.6	948	15
2	1.1	896	6
3	0.9	915	11
4	0.6	956	14
5	0.5	961	14
6	0.7	945	12
7	0.5	971	14
8	1.0	915	7
9	1.6	849	6
10	2.2	779	−4

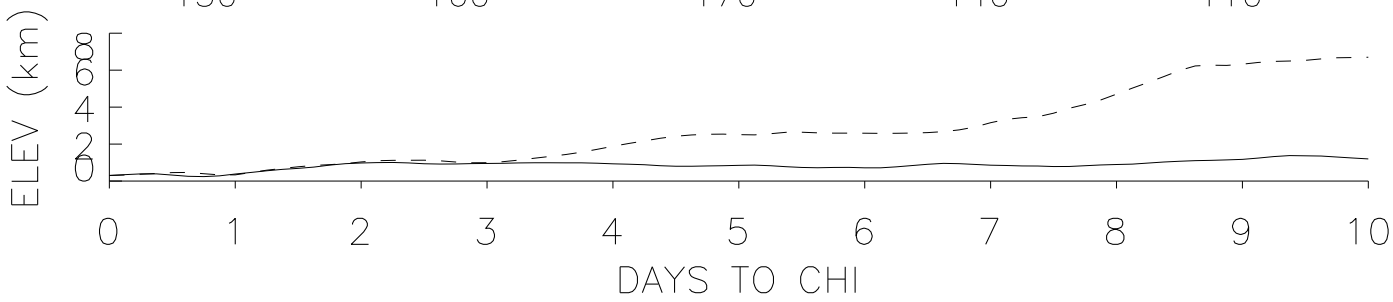
06UT

Day	km	hPa	C
0	0.3	979	14
1	0.4	976	12
2	0.9	915	6
3	0.7	937	13
4	0.5	969	15
5	0.4	977	15
6	0.6	958	12
7	0.6	952	12
8	1.3	885	9
9	1.8	829	7
10	2.4	769	1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/9/2004 (Day of Year 100)
NCEP/NCAR Reanalysis 1 Data Set





12UT

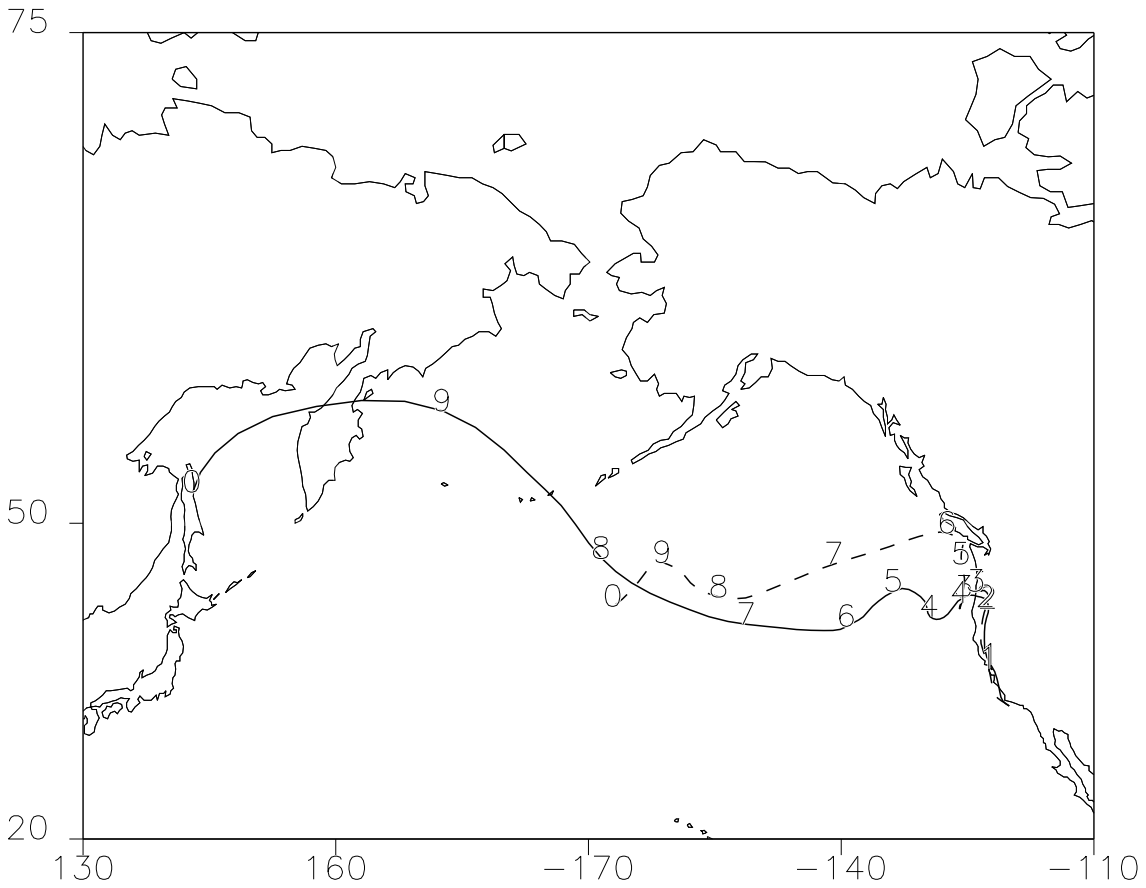
Day	km	hPa	C
0	0.3	980	11
1	0.4	973	10
2	1.0	909	6
3	1.0	907	5
4	0.9	914	9
5	0.8	923	9
6	0.7	938	10
7	0.9	915	10
8	0.9	911	6
9	1.2	876	−1
10	1.2	853	−5

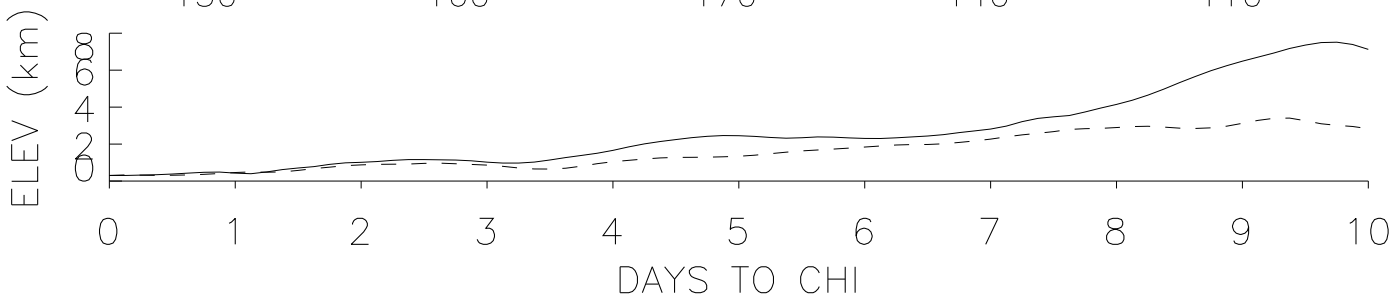
18UT

Day	km	hPa	C
0	0.3	981	17
1	0.3	977	16
2	1.0	904	7
3	1.0	904	4
4	1.9	812	2
5	2.5	749	−3
6	2.6	743	−4
7	3.2	688	−9
8	4.7	553	−24
9	6.3	431	−41
10	6.7	402	−46

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/10/2004 (Day of Year 101)
NCEP/NCAR Reanalysis 1 Data Set





00UT

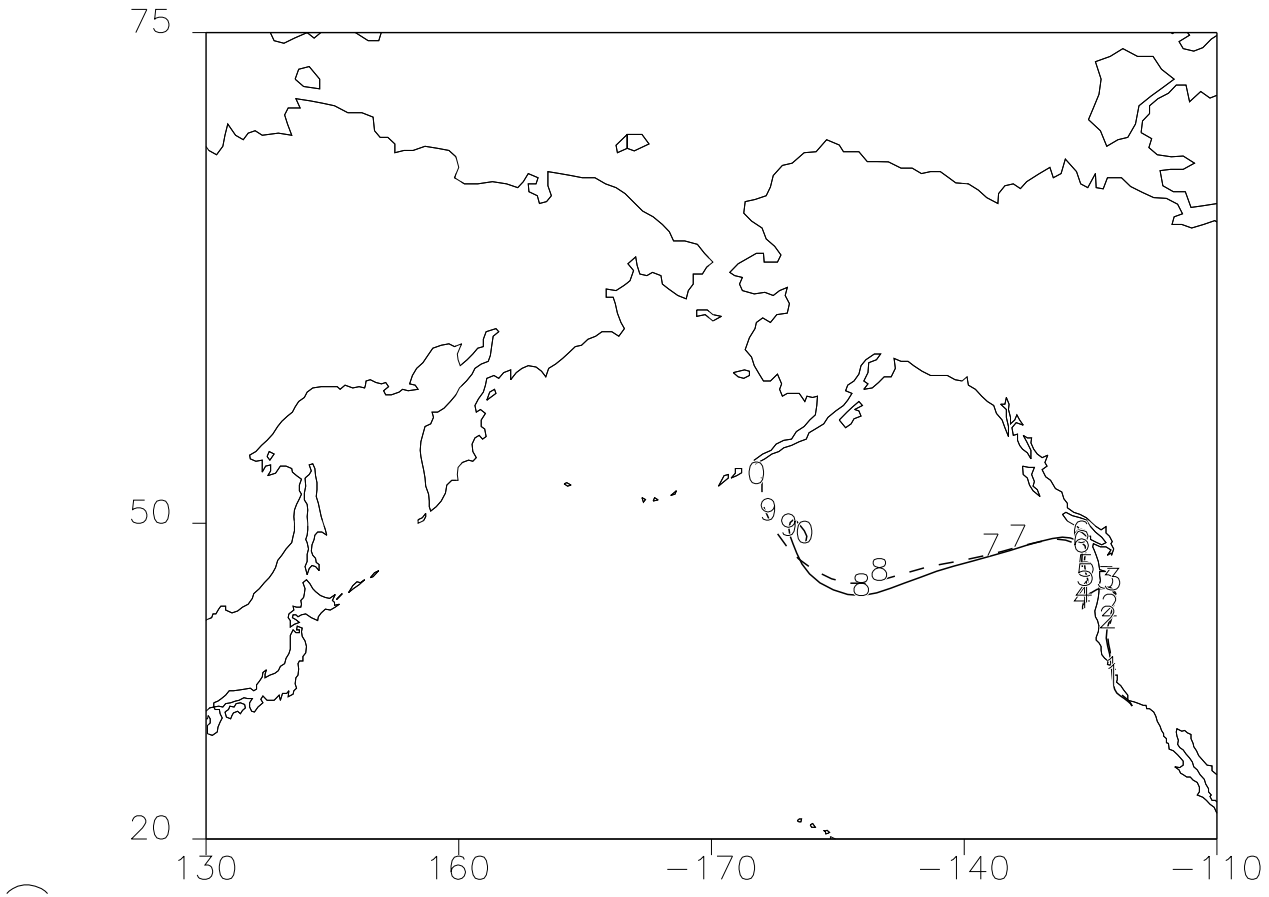
Day	km	hPa	C
0	0.3	979	19
1	0.4	964	17
2	1.0	905	11
3	1.0	901	6
4	1.7	833	4
5	2.5	754	−4
6	2.3	770	−3
7	2.8	716	−9
8	4.1	596	−20
9	6.5	422	−42
10	7.1	381	−46

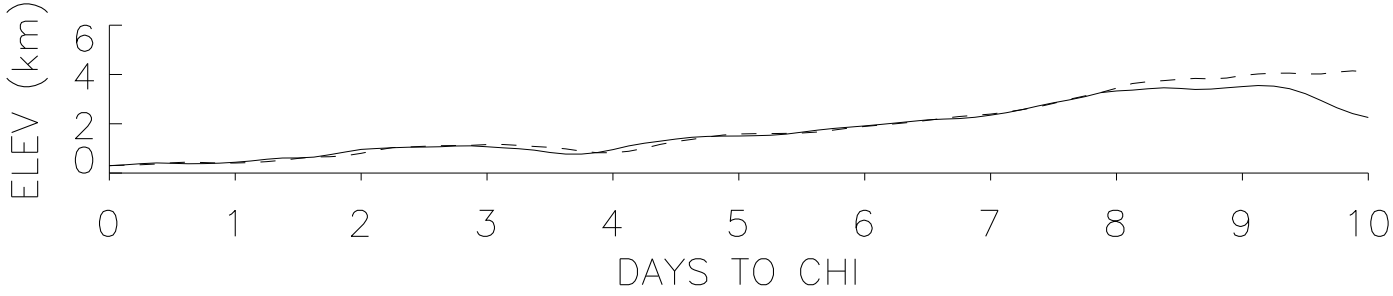
06UT

Day	km	hPa	C
0	0.3	981	15
1	0.5	962	14
2	0.9	920	9
3	0.9	921	6
4	1.0	898	3
5	1.3	864	3
6	1.8	812	−2
7	2.3	761	−8
8	2.9	697	−10
9	3.1	674	−11
10	2.8	705	−11

00UT – solid
06UT – dashed

3−D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/10/2004 (Day of Year 101)
NCEP/NCAR Reanalysis 1 Data Set





12UT

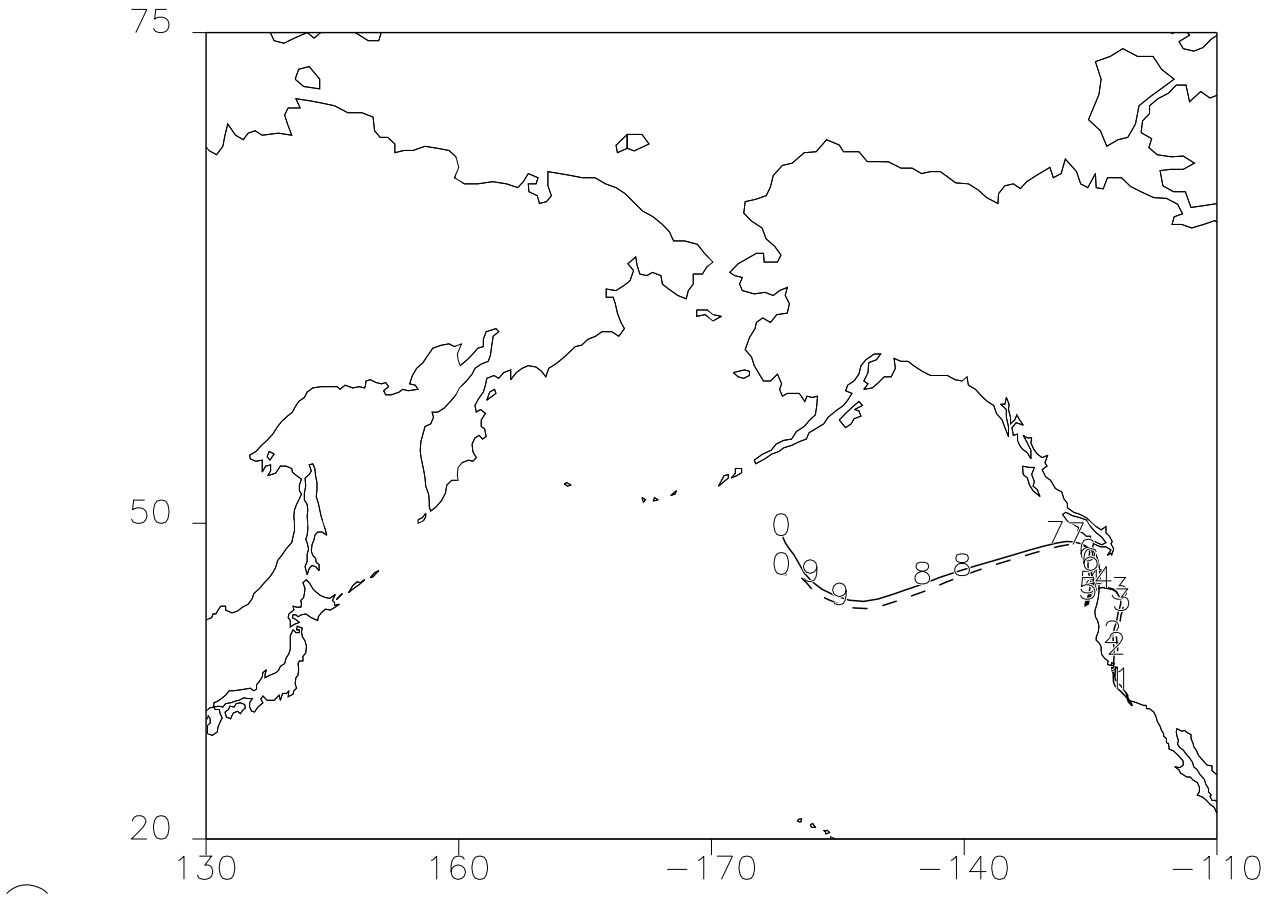
Day	km	hPa	C
0	0.3	980	14
1	0.4	966	11
2	1.0	909	7
3	1.1	898	6
4	1.0	908	2
5	1.5	847	2
6	1.9	805	−1
7	2.3	755	−7
8	3.3	660	−14
9	3.5	640	−15
10	2.3	761	−7

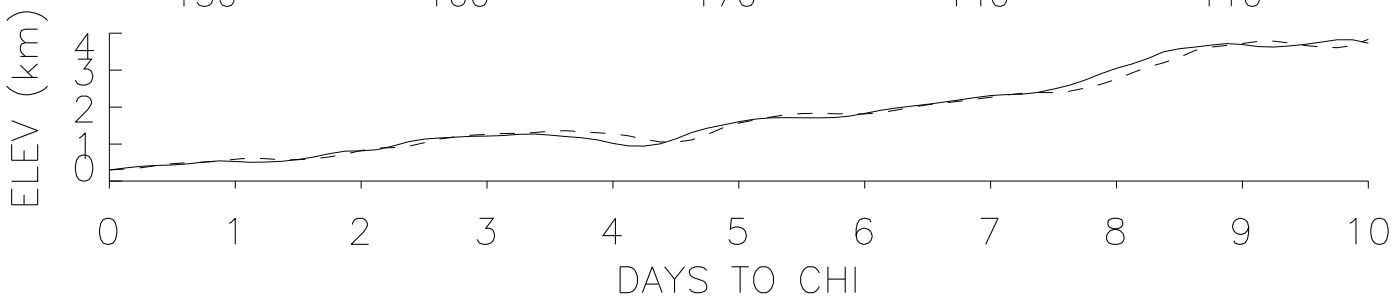
18UT

Day	km	hPa	C
0	0.3	981	17
1	0.4	970	16
2	0.8	926	12
3	1.2	890	5
4	0.8	923	3
5	1.6	840	1
6	1.9	808	0
7	2.4	754	−5
8	3.4	650	−16
9	4.0	605	−21
10	4.1	592	−23

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/11/2004 (Day of Year 102)
NCEP/NCAR Reanalysis 1 Data Set





00UT

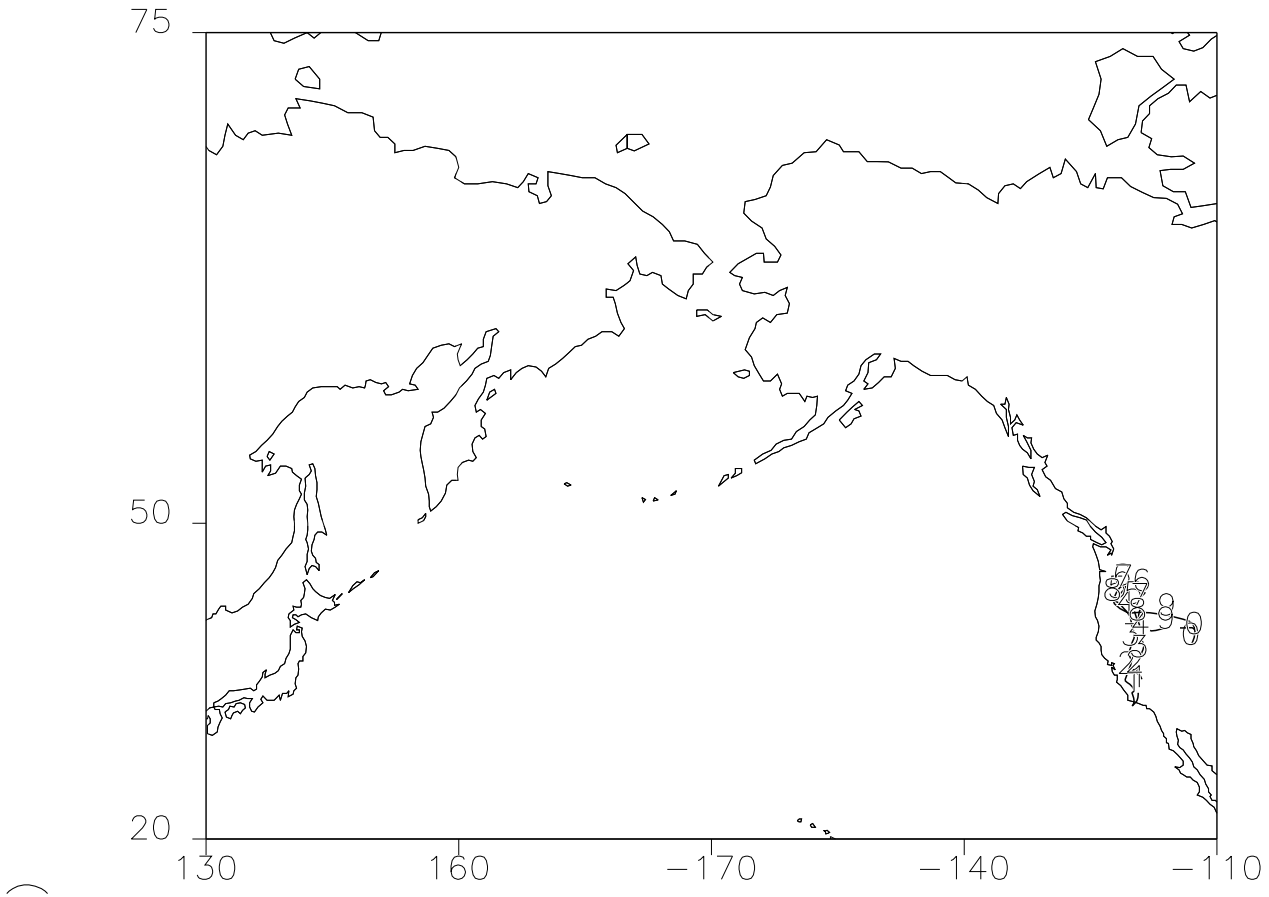
Day	km	hPa	C
0	0.3	978	19
1	0.5	954	19
2	0.8	922	17
3	1.2	883	9
4	1.0	901	6
5	1.6	838	2
6	1.8	814	2
7	2.3	764	−3
8	3.1	687	−13
9	3.7	626	−16
10	3.7	624	−16

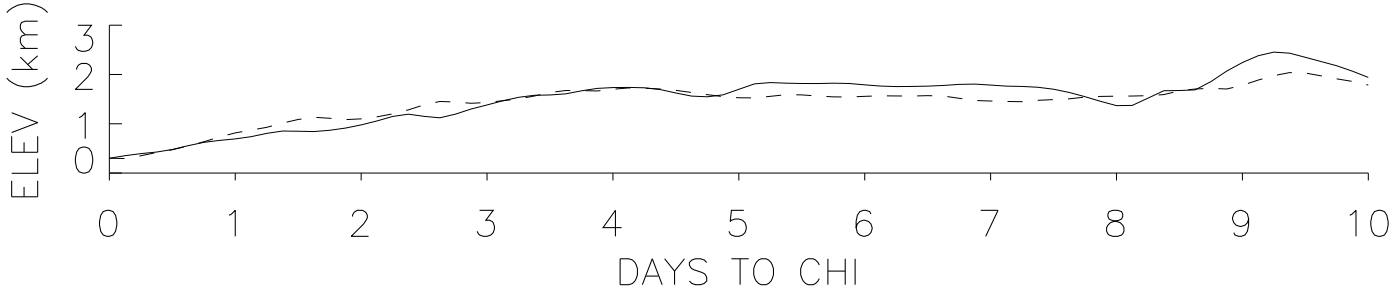
06UT

Day	km	hPa	C
0	0.3	980	14
1	0.6	948	16
2	0.8	922	13
3	1.3	876	7
4	1.3	875	5
5	1.6	842	4
6	1.8	815	2
7	2.3	769	−2
8	2.8	717	−10
9	3.7	626	−16
10	3.8	614	−15

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/11/2004 (Day of Year 102)
NCEP/NCAR Reanalysis 1 Data Set





12UT

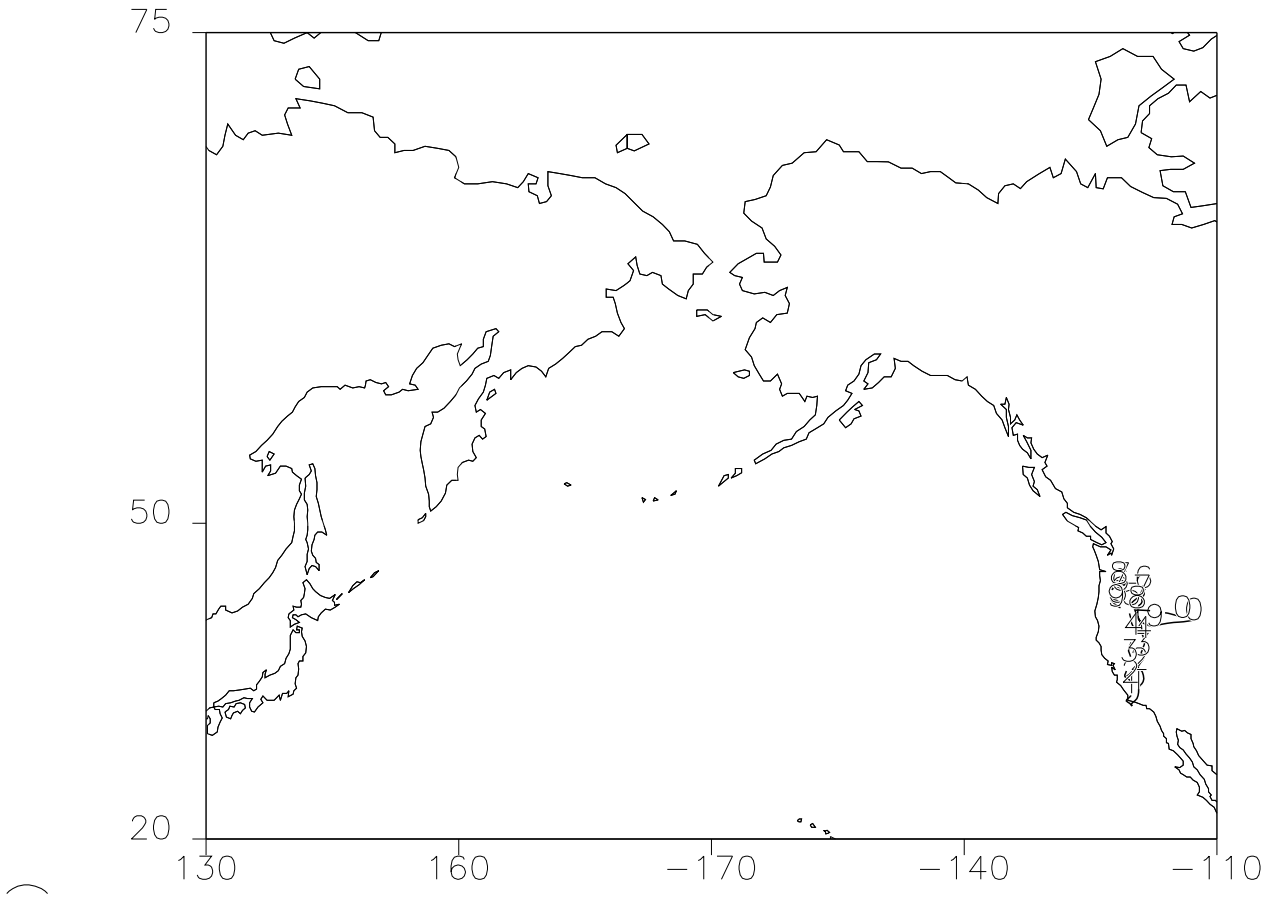
Day	km	hPa	C
0	0.3	981	13
1	0.7	935	15
2	1.0	906	11
3	1.4	861	8
4	1.7	828	4
5	1.7	827	3
6	1.8	817	4
7	1.8	819	5
8	1.4	859	11
9	2.2	774	−2
10	1.9	801	6

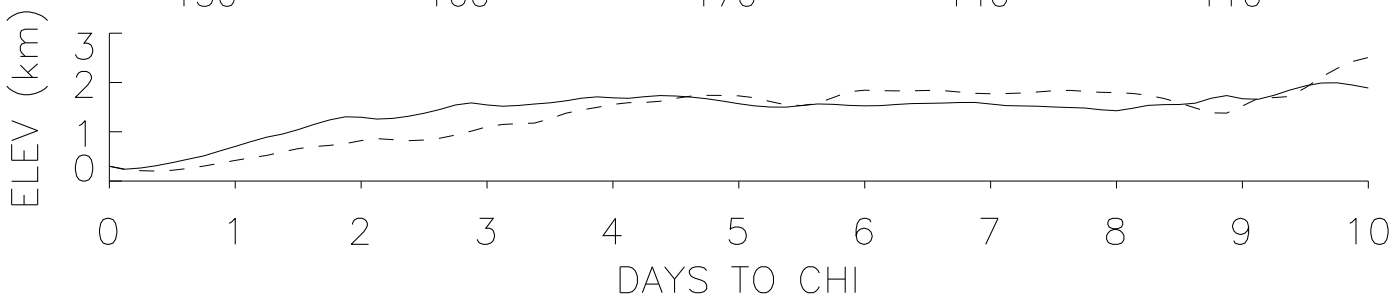
18UT

Day	km	hPa	C
0	0.3	983	16
1	0.8	923	17
2	1.1	893	17
3	1.4	856	14
4	1.7	831	8
5	1.5	846	6
6	1.6	842	7
7	1.5	852	10
8	1.6	842	12
9	1.8	819	7
10	1.8	816	8

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/12/2004 (Day of Year 103)
NCEP/NCAR Reanalysis 1 Data Set





00UT

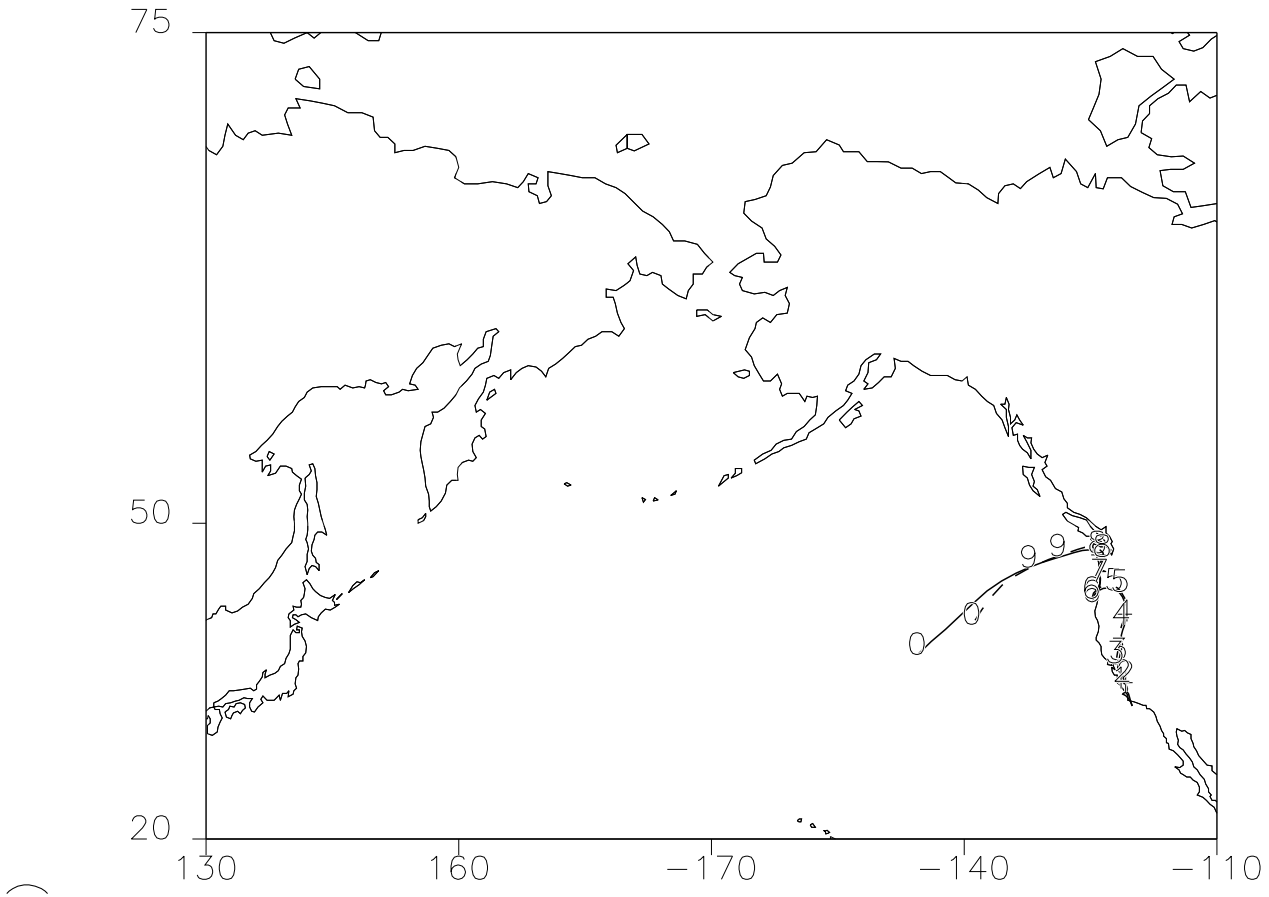
Day	km	hPa	C
0	0.3	980	19
1	0.7	934	21
2	1.3	872	19
3	1.5	844	15
4	1.7	831	12
5	1.6	843	8
6	1.5	845	9
7	1.6	840	11
8	1.4	855	15
9	1.7	829	12
10	1.9	807	7

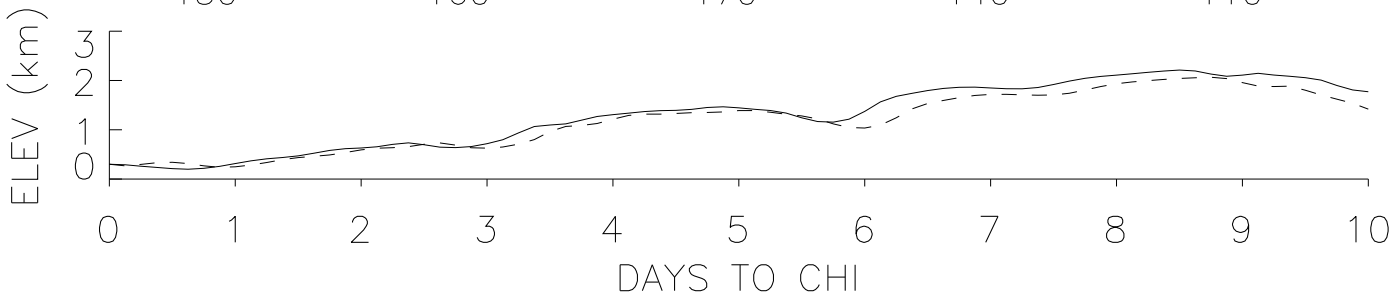
06UT

Day	km	hPa	C
0	0.3	981	17
1	0.4	967	15
2	0.8	922	16
3	1.1	892	14
4	1.6	845	9
5	1.7	828	5
6	1.8	813	3
7	1.8	819	6
8	1.8	819	7
9	1.5	844	10
10	2.5	749	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/12/2004 (Day of Year 103)
NCEP/NCAR Reanalysis 1 Data Set





12UT

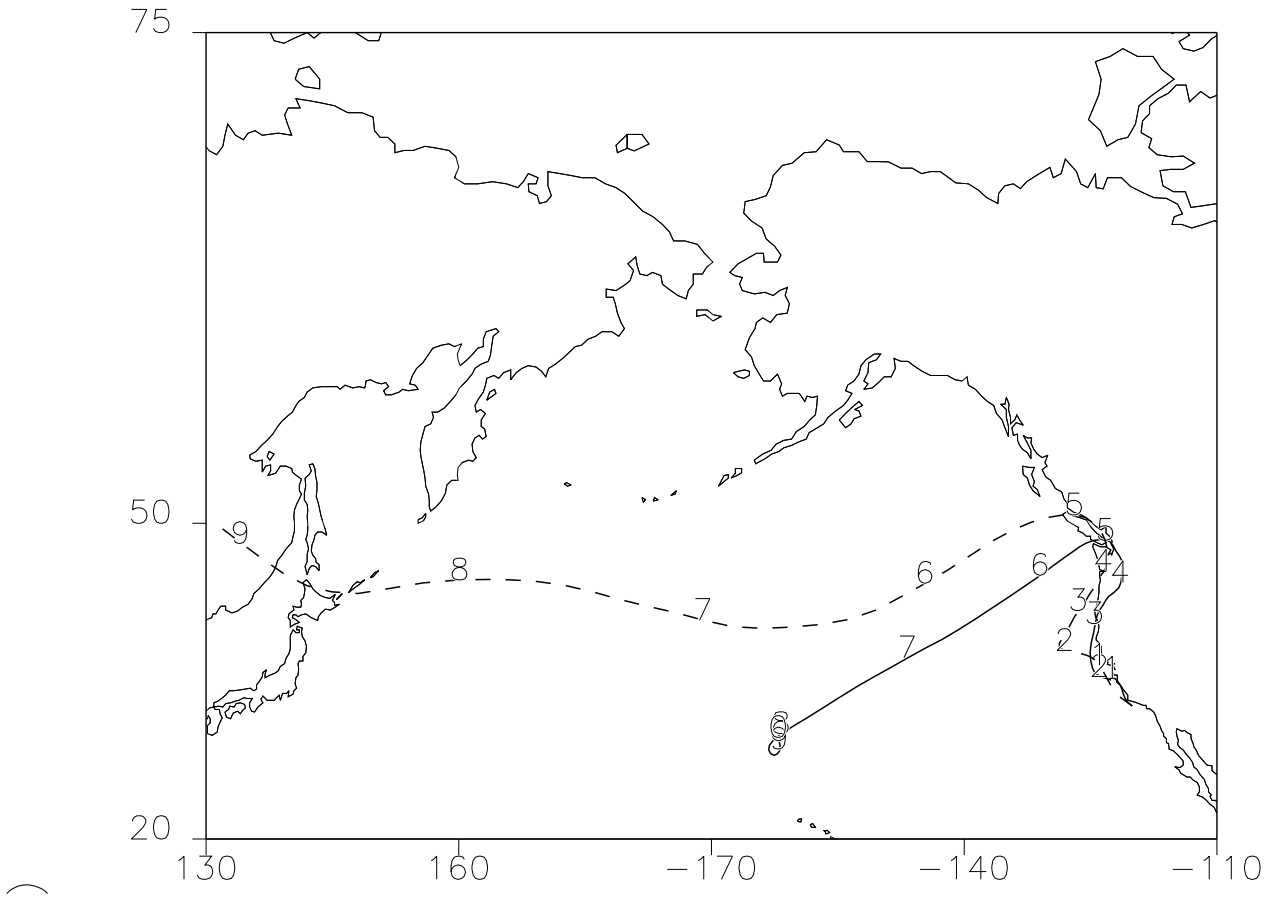
Day	km	hPa	C
0	0.3	980	14
1	0.3	979	13
2	0.6	943	15
3	0.7	935	10
4	1.3	871	6
5	1.4	858	4
6	1.4	862	4
7	1.8	811	2
8	2.1	786	0
9	2.1	782	−2
10	1.8	817	3

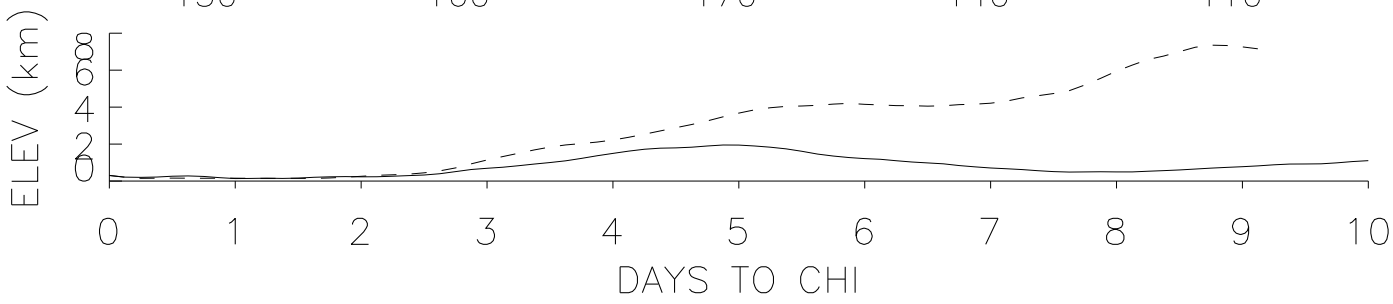
18UT

Day	km	hPa	C
0	0.3	983	18
1	0.2	989	16
2	0.6	948	18
3	0.6	945	17
4	1.2	881	11
5	1.4	865	5
6	1.0	899	4
7	1.7	826	1
8	1.9	804	1
9	2.0	799	0
10	1.4	857	6

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/13/2004 (Day of Year 104)
NCEP/NCAR Reanalysis 1 Data Set





00UT

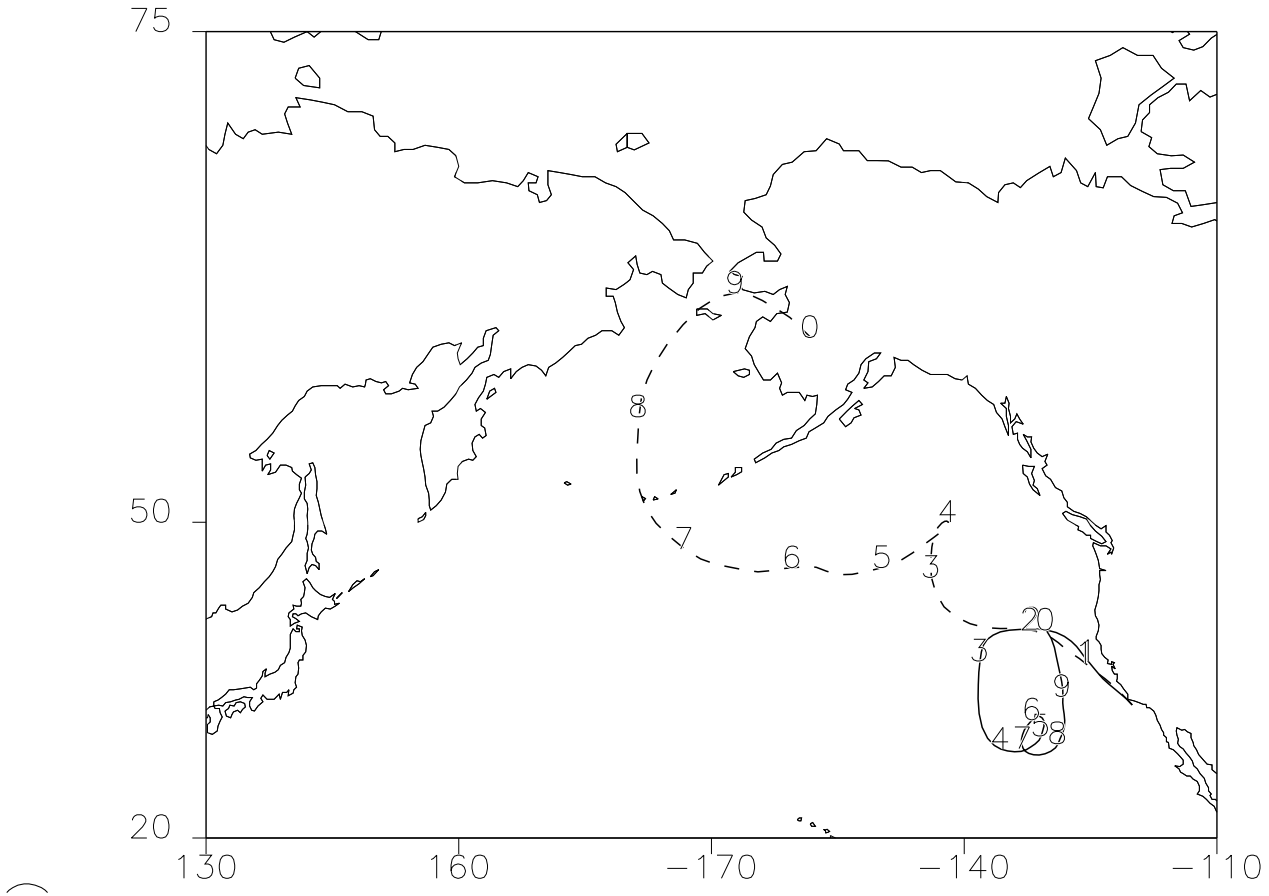
Day	km	hPa	C
0	0.3	981	16
1	0.1	1000	18
2	0.2	987	18
3	0.7	940	17
4	1.5	852	7
5	1.9	807	−1
6	1.2	874	3
7	0.7	923	9
8	0.5	962	13
9	0.8	935	8
10	1.1	899	7

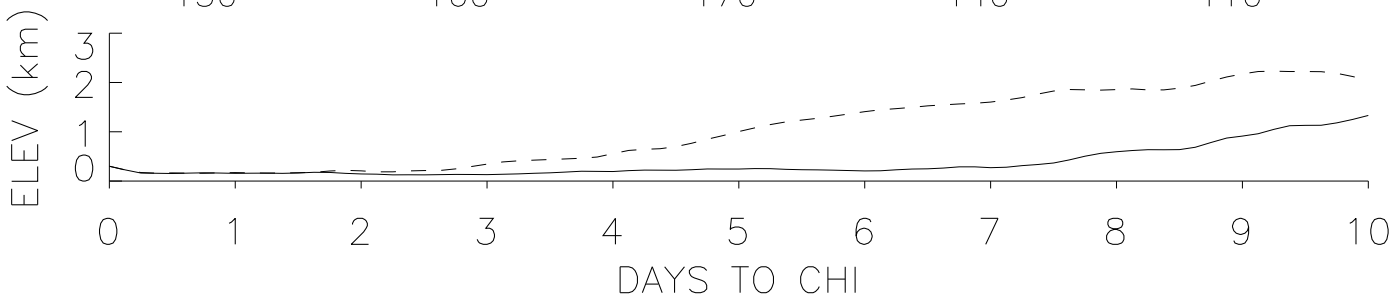
06UT

Day	km	hPa	C
0	0.3	983	13
1	0.2	1000	13
2	0.3	983	14
3	1.1	892	13
4	2.2	782	4
5	3.7	646	−13
6	4.1	594	−19
7	4.2	583	−19
8	5.9	462	−32
9	7.3	377	−44

00UT − solid
06UT − dashed

3−D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/13/2004 (Day of Year 104)
NCEP/NCAR Reanalysis 1 Data Set





12UT

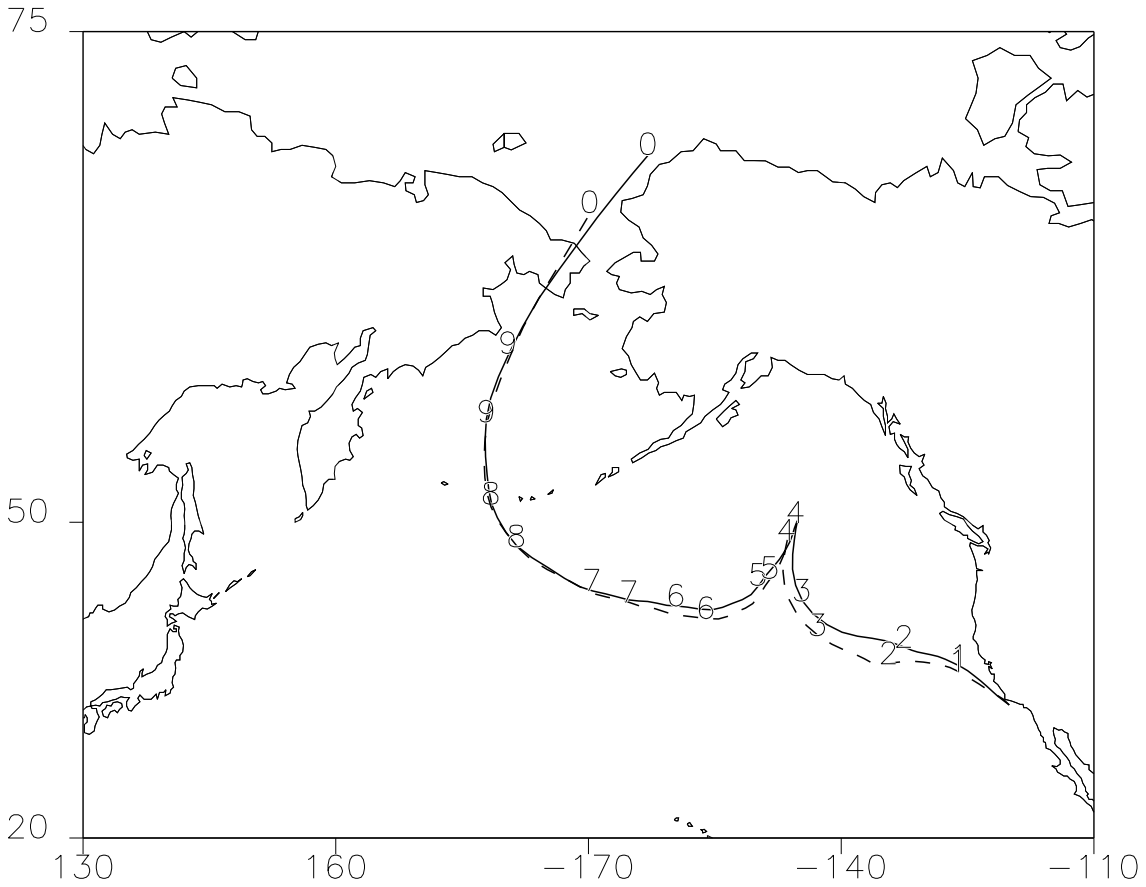
Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	10
2	0.1	997	12
3	0.1	1000	15
4	0.2	1000	16
5	0.2	995	14
6	0.2	1000	15
7	0.3	990	14
8	0.6	951	10
9	0.9	915	9
10	1.3	866	6

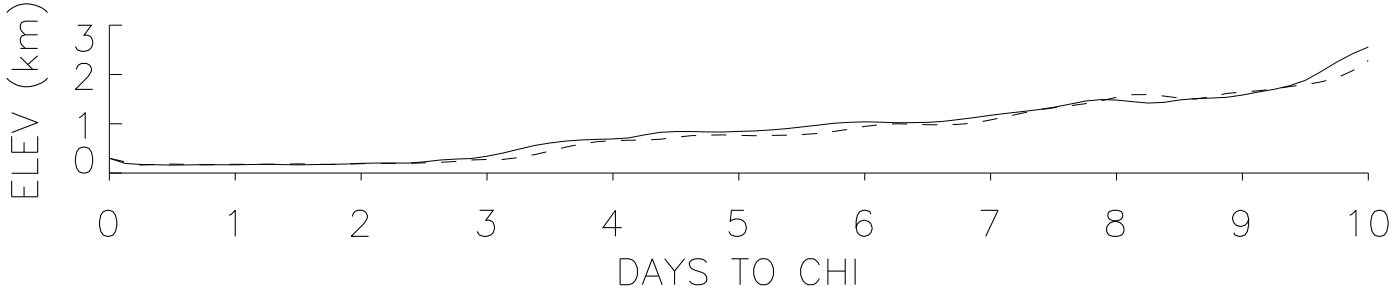
18UT

Day	km	hPa	C
0	0.3	984	15
1	0.2	1000	11
2	0.2	993	9
3	0.3	978	4
4	0.6	958	1
5	1.0	890	−4
6	1.4	837	−8
7	1.6	812	−9
8	1.9	785	−15
9	2.2	751	−17
10	2.0	764	−14

12UT − solid
18UT − dashed

3−D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/14/2004 (Day of Year 105)
NCEP/NCAR Reanalysis 1 Data Set





00UT

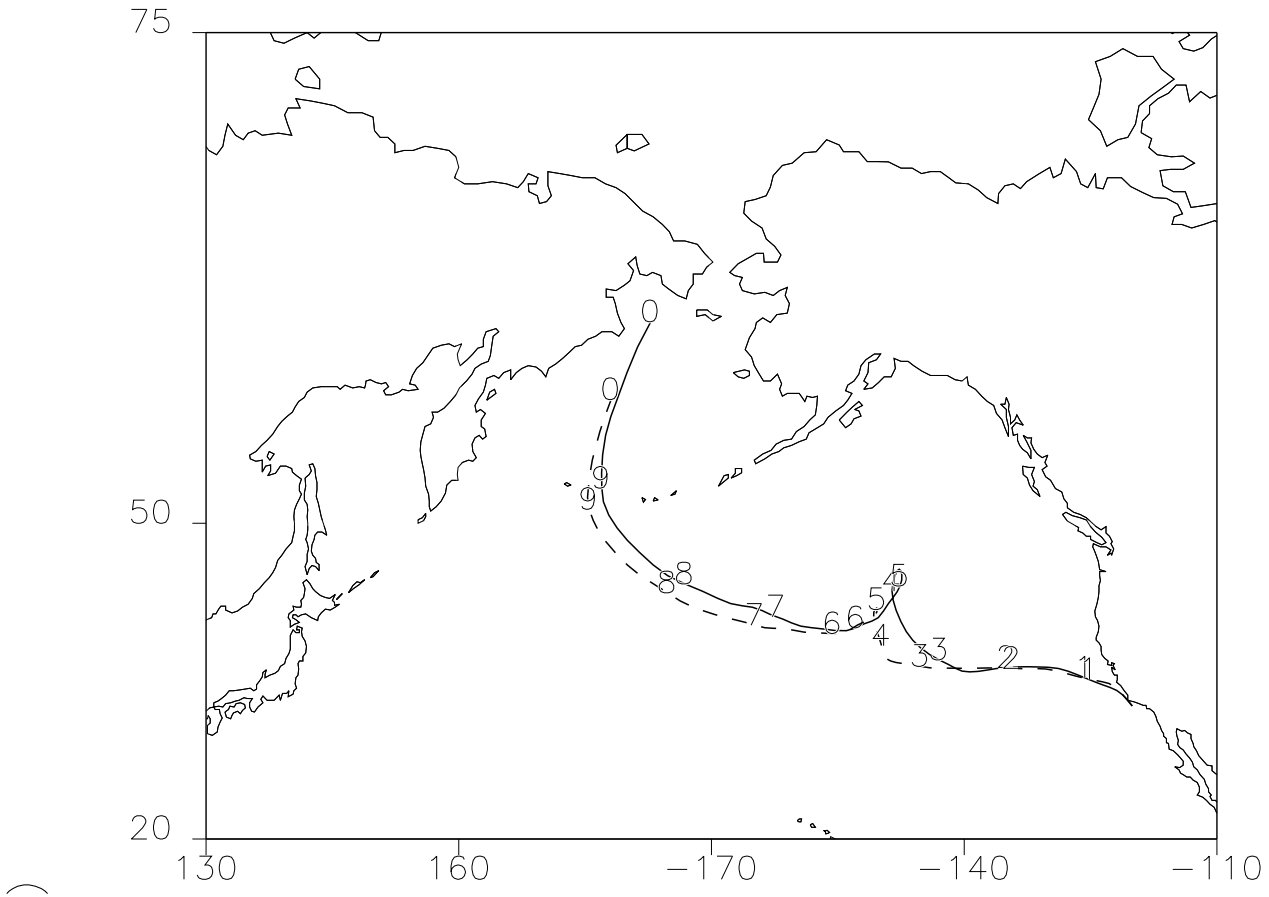
Day	km	hPa	C
0	0.3	982	14
1	0.2	1000	11
2	0.2	998	10
3	0.3	979	4
4	0.7	942	0
5	0.8	914	−1
6	1.0	882	−2
7	1.2	863	−5
8	1.5	830	−12
9	1.6	817	−14
10	2.6	722	−23

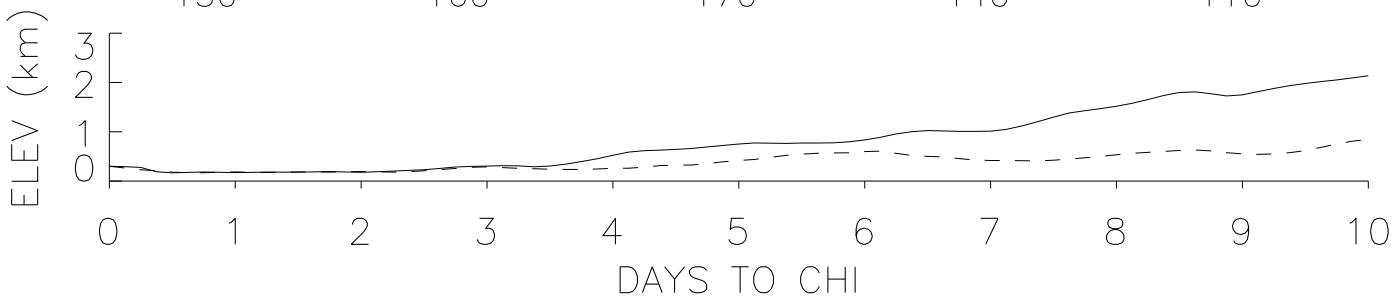
06UT

Day	km	hPa	C
0	0.3	984	12
1	0.2	1000	10
2	0.2	1000	11
3	0.3	989	6
4	0.7	946	0
5	0.8	925	−1
6	0.9	896	1
7	1.1	875	−4
8	1.5	824	−9
9	1.6	811	−13
10	2.3	748	−19

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/14/2004 (Day of Year 105)
NCEP/NCAR Reanalysis 1 Data Set





12UT

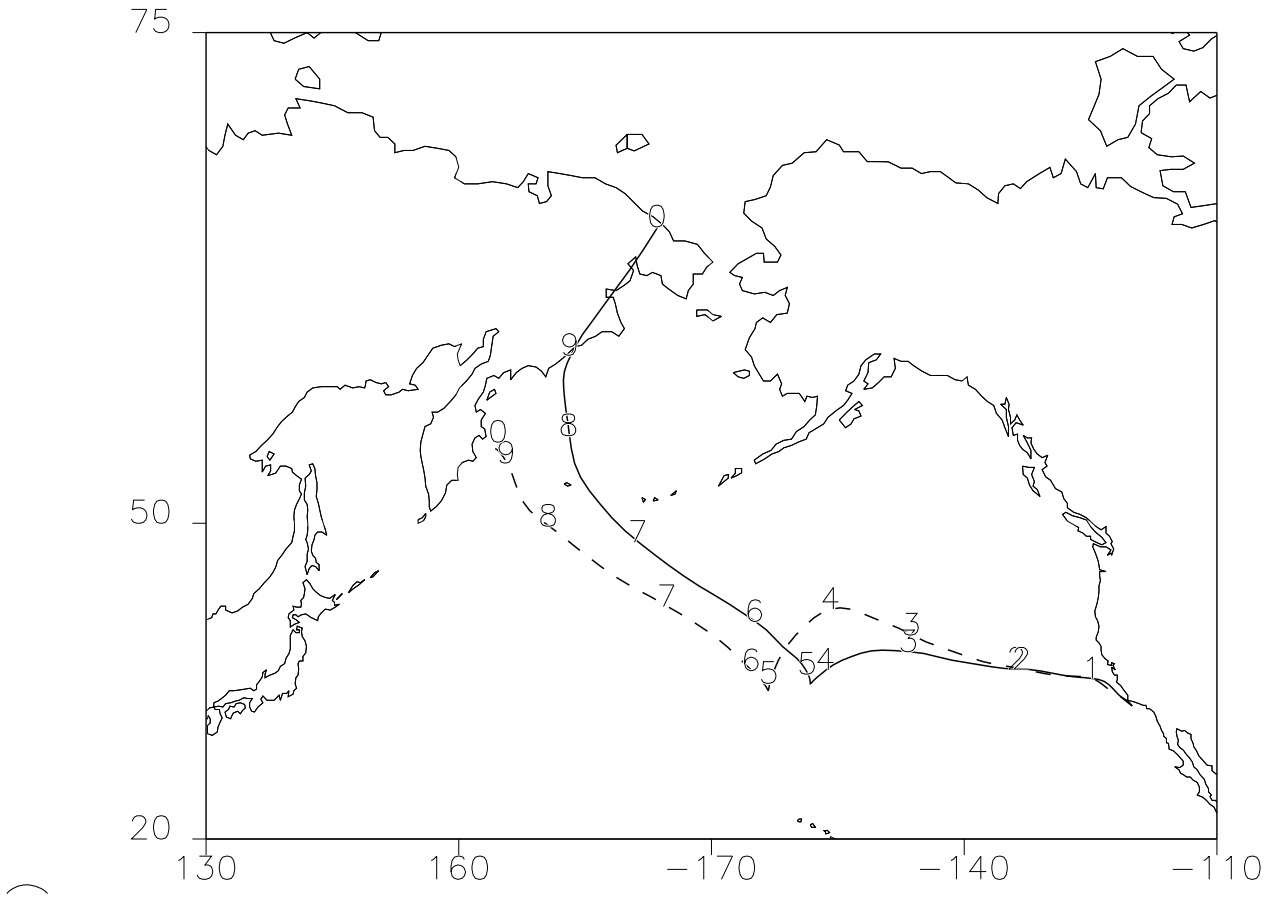
Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	11
2	0.2	1000	11
3	0.3	988	8
4	0.5	961	2
5	0.8	930	1
6	0.8	911	1
7	1.0	884	−1
8	1.5	827	−10
9	1.7	802	−15
10	2.1	761	−15

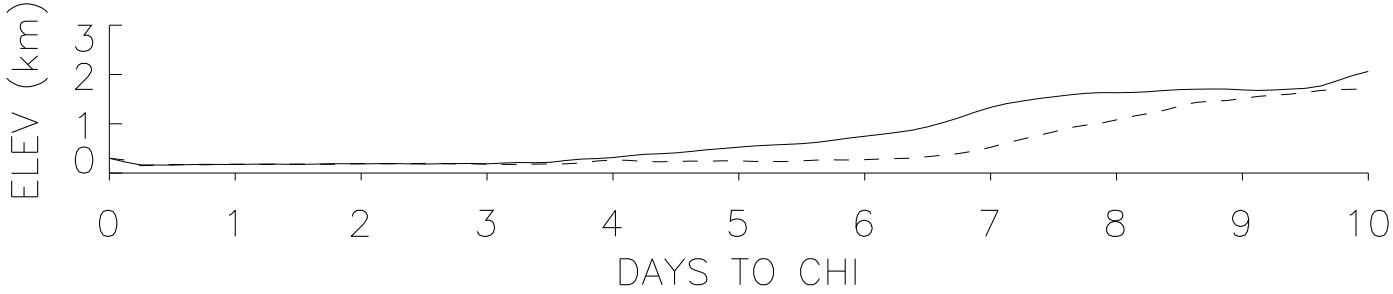
18UT

Day	km	hPa	C
0	0.3	983	13
1	0.2	1000	11
2	0.2	1000	11
3	0.3	992	9
4	0.3	998	6
5	0.4	972	5
6	0.6	941	3
7	0.4	953	4
8	0.5	939	0
9	0.6	939	−4
10	0.8	900	−13

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/15/2004 (Day of Year 106)
NCEP/NCAR Reanalysis 1 Data Set





00UT

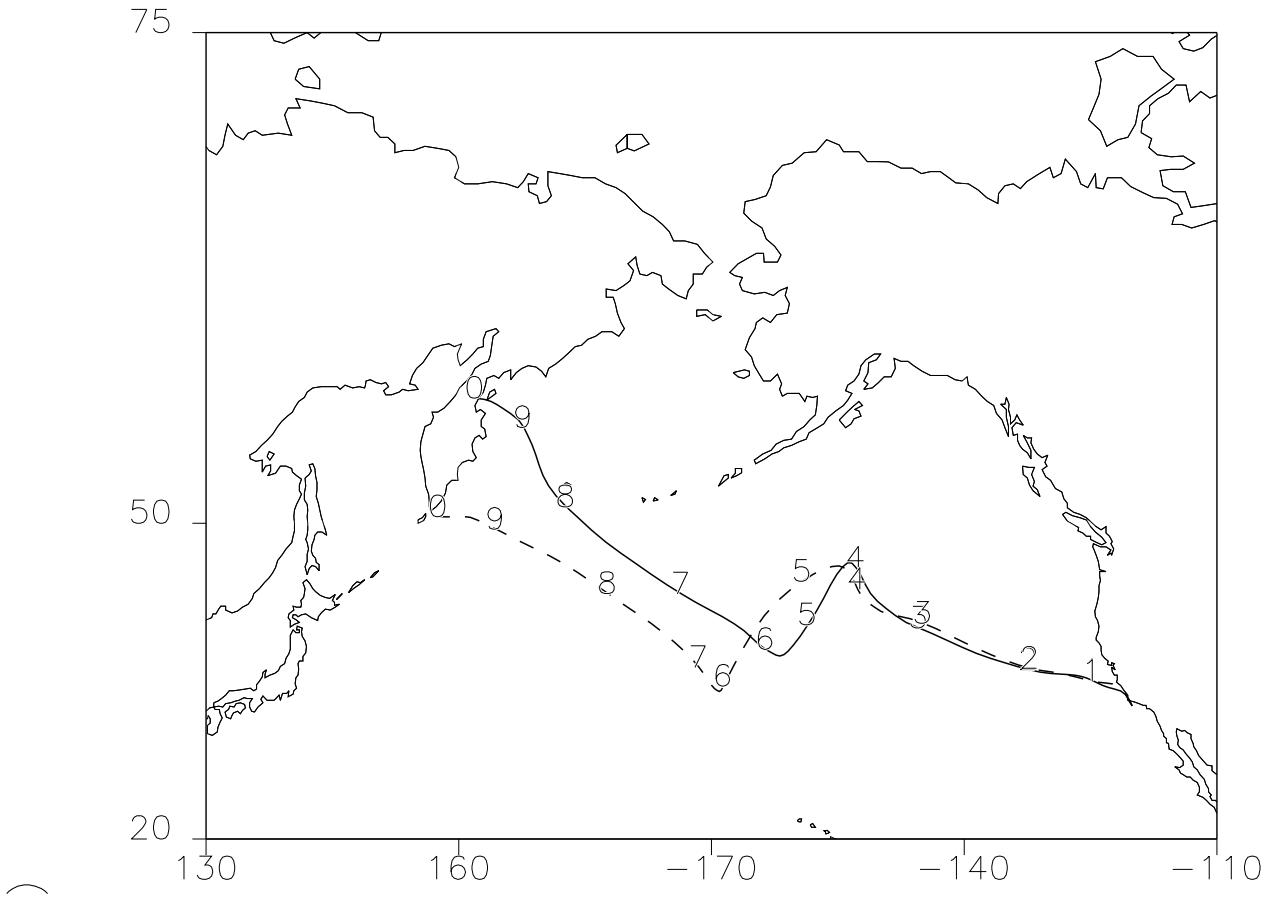
Day	km	hPa	C
0	0.3	981	15
1	0.2	1000	10
2	0.2	1000	12
3	0.2	1000	10
4	0.3	990	8
5	0.5	965	6
6	0.7	929	0
7	1.3	851	−3
8	1.6	815	−13
9	1.7	810	−13
10	2.1	772	−17

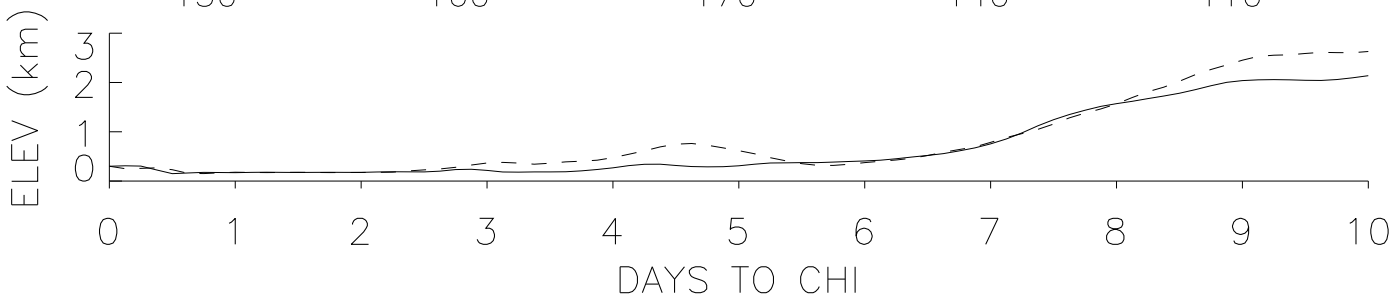
06UT

Day	km	hPa	C
0	0.3	982	13
1	0.2	1000	11
2	0.2	1000	11
3	0.2	1000	9
4	0.3	990	8
5	0.2	998	9
6	0.3	991	7
7	0.5	951	3
8	1.1	882	−7
9	1.5	835	−11
10	1.7	812	−12

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/15/2004 (Day of Year 106)
NCEP/NCAR Reanalysis 1 Data Set





12UT

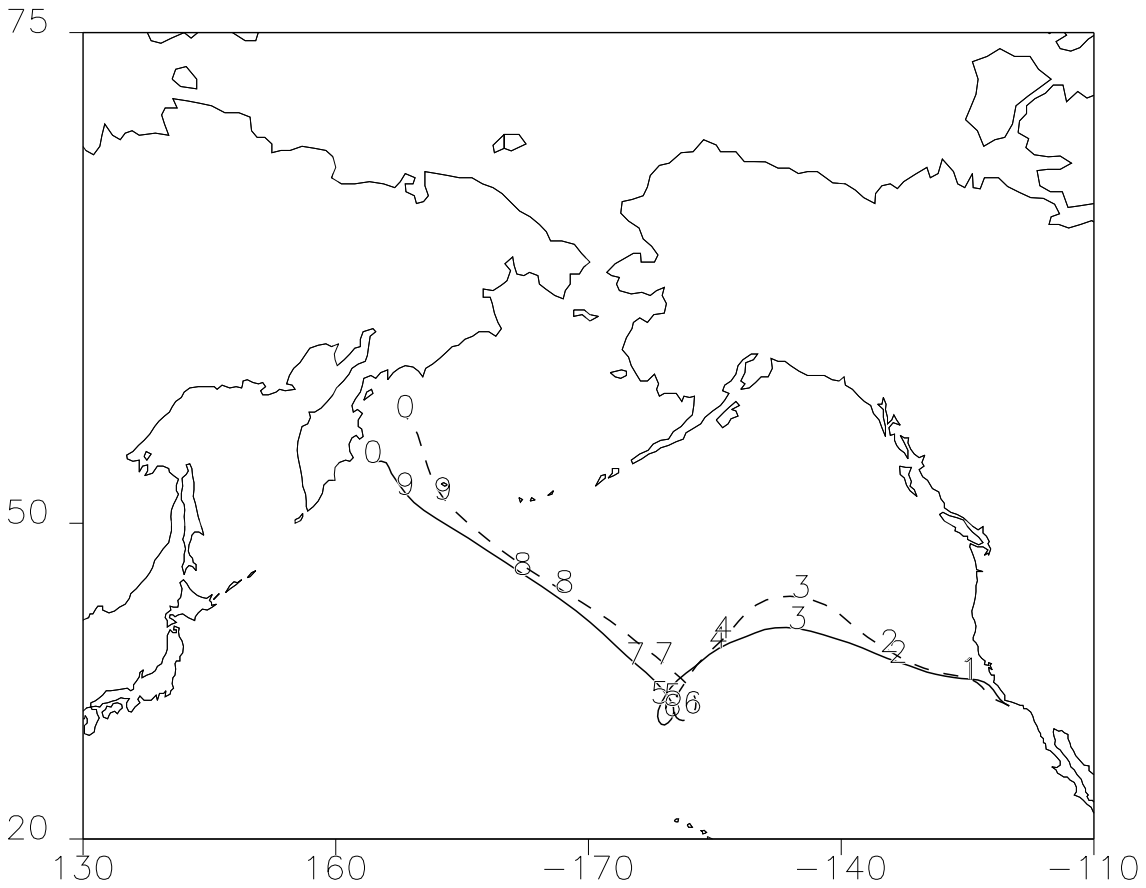
Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	11
2	0.2	1000	11
3	0.2	996	8
4	0.3	986	4
5	0.3	985	7
6	0.4	974	5
7	0.8	924	0
8	1.6	826	−12
9	2.0	777	−14
10	2.1	769	−16

18UT

Day	km	hPa	C
0	0.3	982	15
1	0.2	1000	12
2	0.2	1000	12
3	0.4	978	6
4	0.5	964	4
5	0.6	943	5
6	0.4	981	8
7	0.8	931	1
8	1.6	834	−3
9	2.5	740	−16
10	2.6	722	−18

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/16/2004 (Day of Year 107)
NCEP/NCAR Reanalysis 1 Data Set

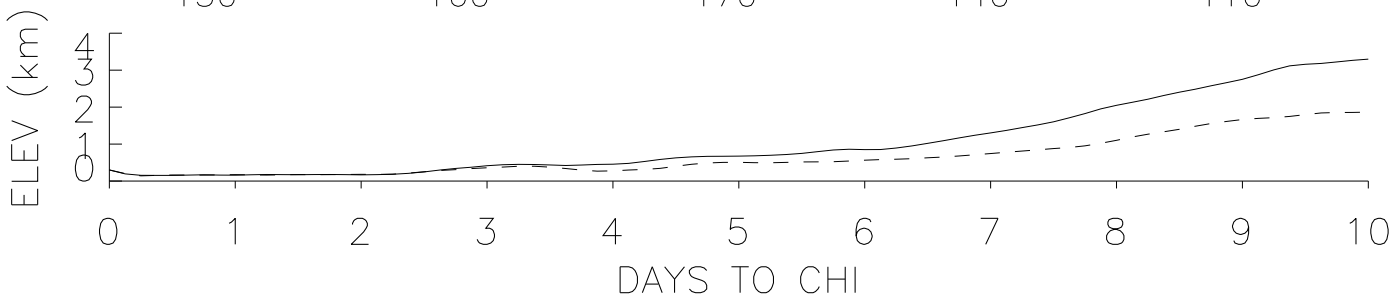


00UT

Day	km	hPa	C
0	0.3	980	14
1	0.2	1000	11
2	0.2	1000	12
3	0.4	974	8
4	0.5	970	9
5	0.7	948	7
6	0.8	928	7
7	1.3	871	1
8	2.0	780	−7
9	2.8	707	−18
10	3.3	659	−22

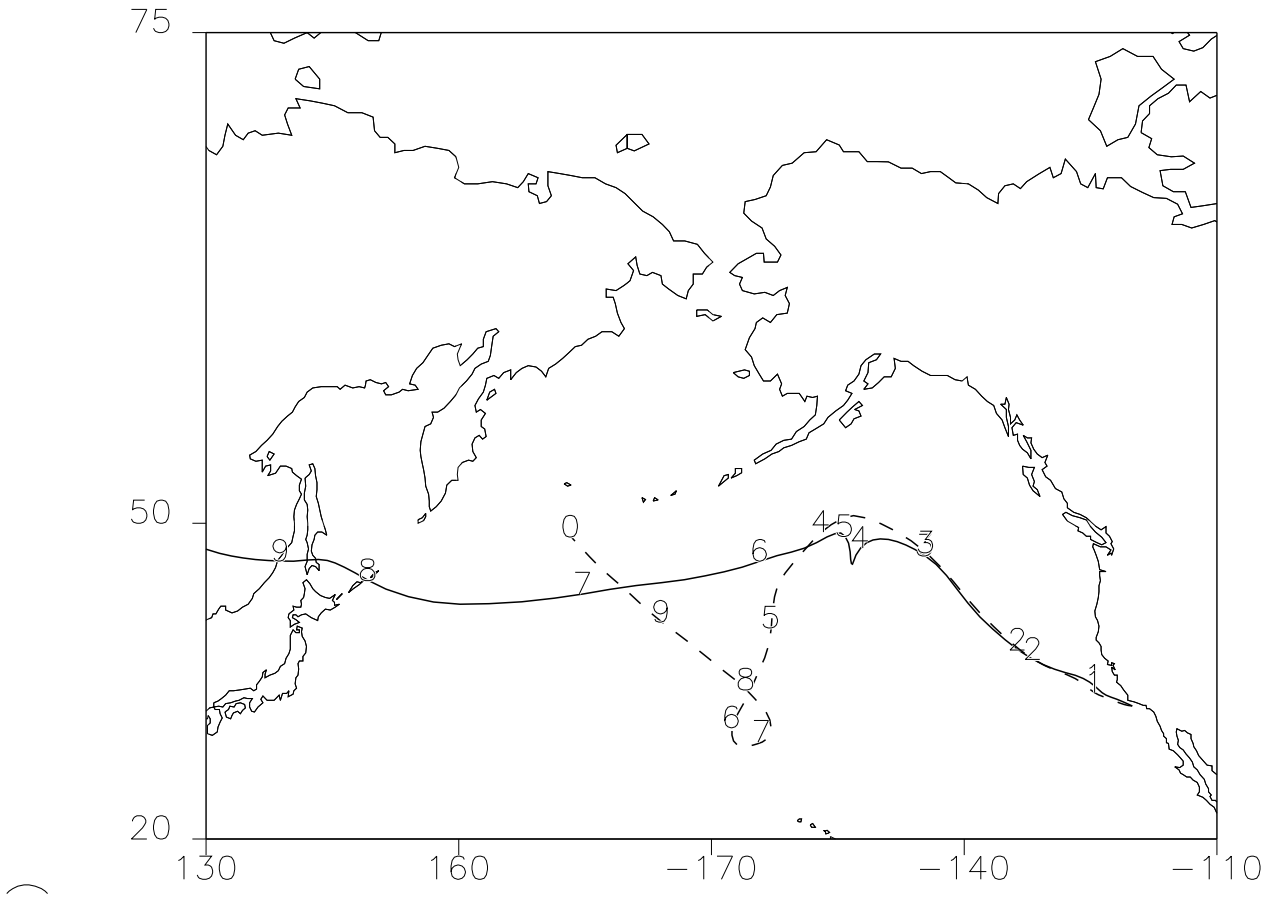
06UT

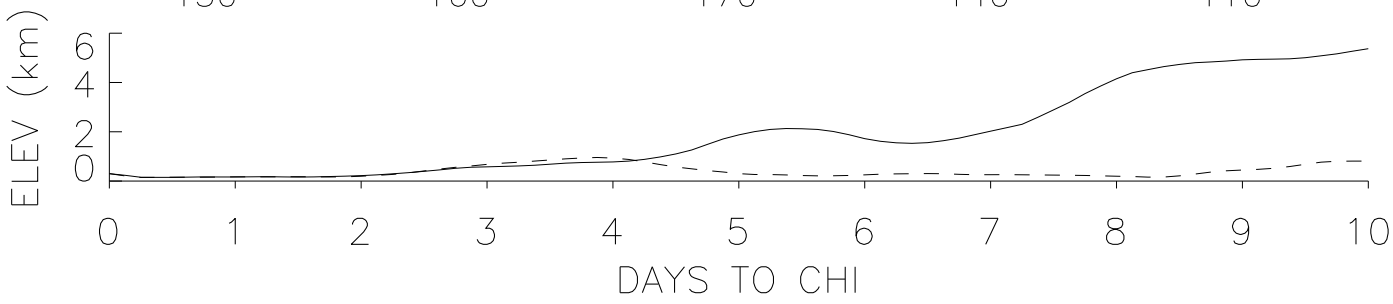
Day	km	hPa	C
0	0.3	981	12
1	0.2	1000	11
2	0.2	1000	11
3	0.4	977	7
4	0.3	989	10
5	0.5	969	10
6	0.6	961	9
7	0.7	932	3
8	1.1	881	1
9	1.7	814	−12
10	1.9	794	−13



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/16/2004 (Day of Year 107)
NCEP/NCAR Reanalysis 1 Data Set





12UT

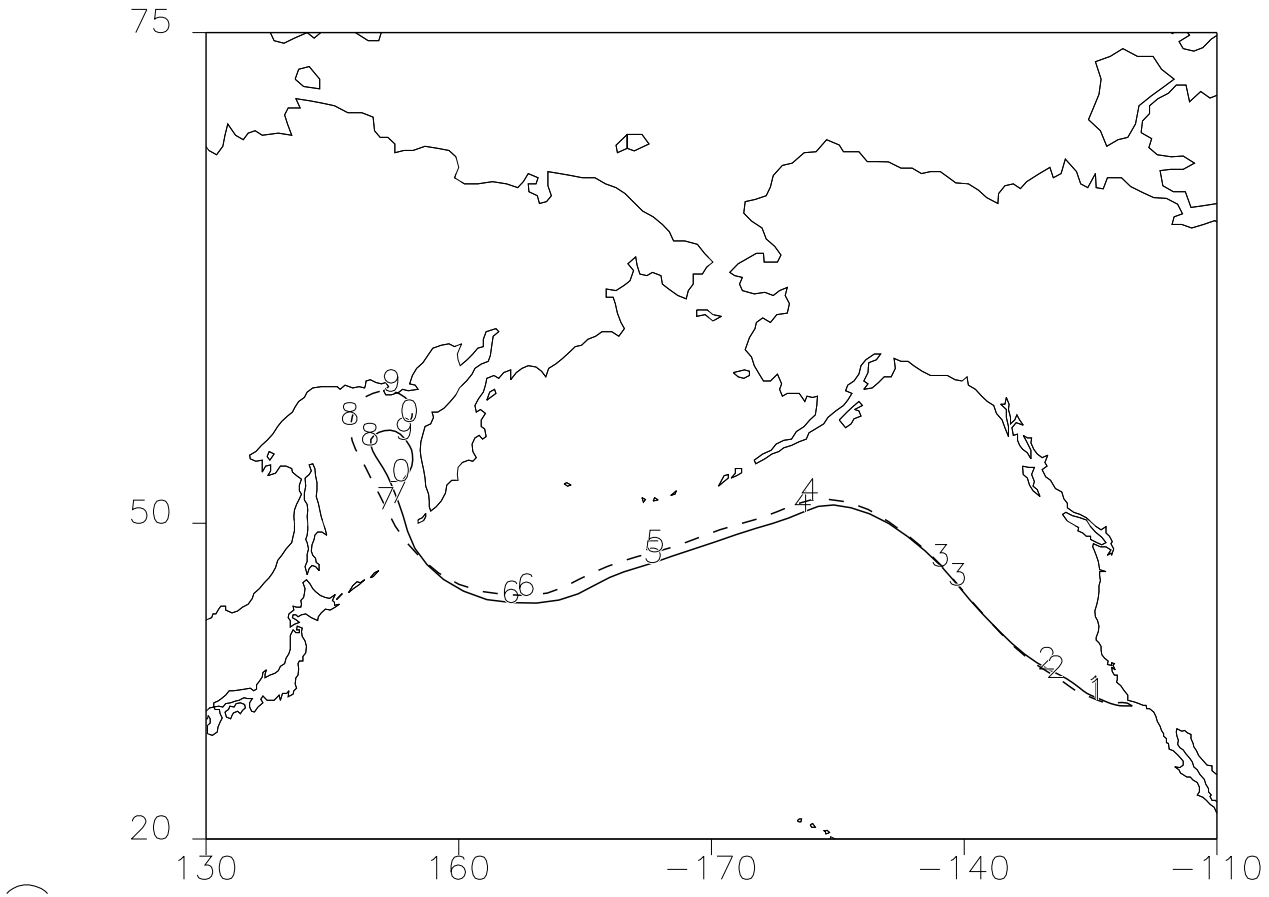
Day	km	hPa	C
0	0.3	981	10
1	0.2	1000	11
2	0.2	995	9
3	0.6	948	3
4	0.8	925	1
5	1.9	806	−6
6	1.7	816	−1
7	2.0	775	−8
8	4.2	579	−32
9	4.9	523	−37
10	5.4	493	−39

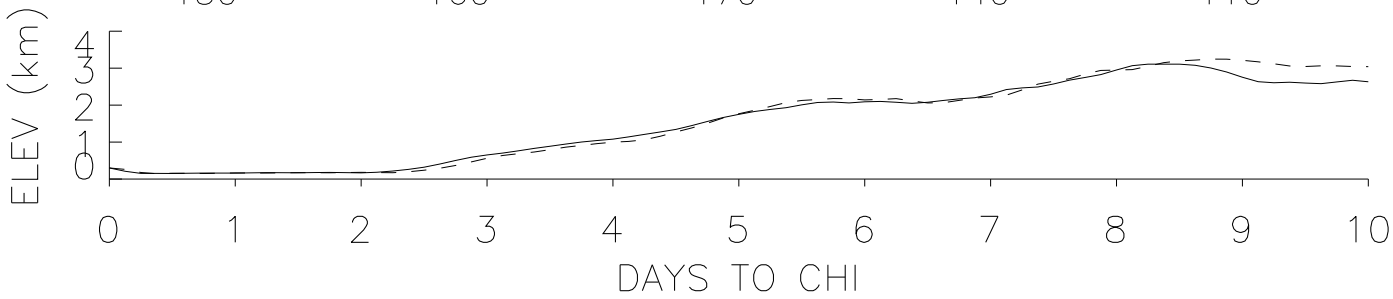
18UT

Day	km	hPa	C
0	0.3	982	13
1	0.2	1000	11
2	0.2	997	10
3	0.7	940	0
4	0.9	902	1
5	0.3	979	11
6	0.2	996	14
7	0.3	996	12
8	0.2	998	9
9	0.4	957	3
10	0.8	911	−5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/17/2004 (Day of Year 108)
NCEP/NCAR Reanalysis 1 Data Set





00UT

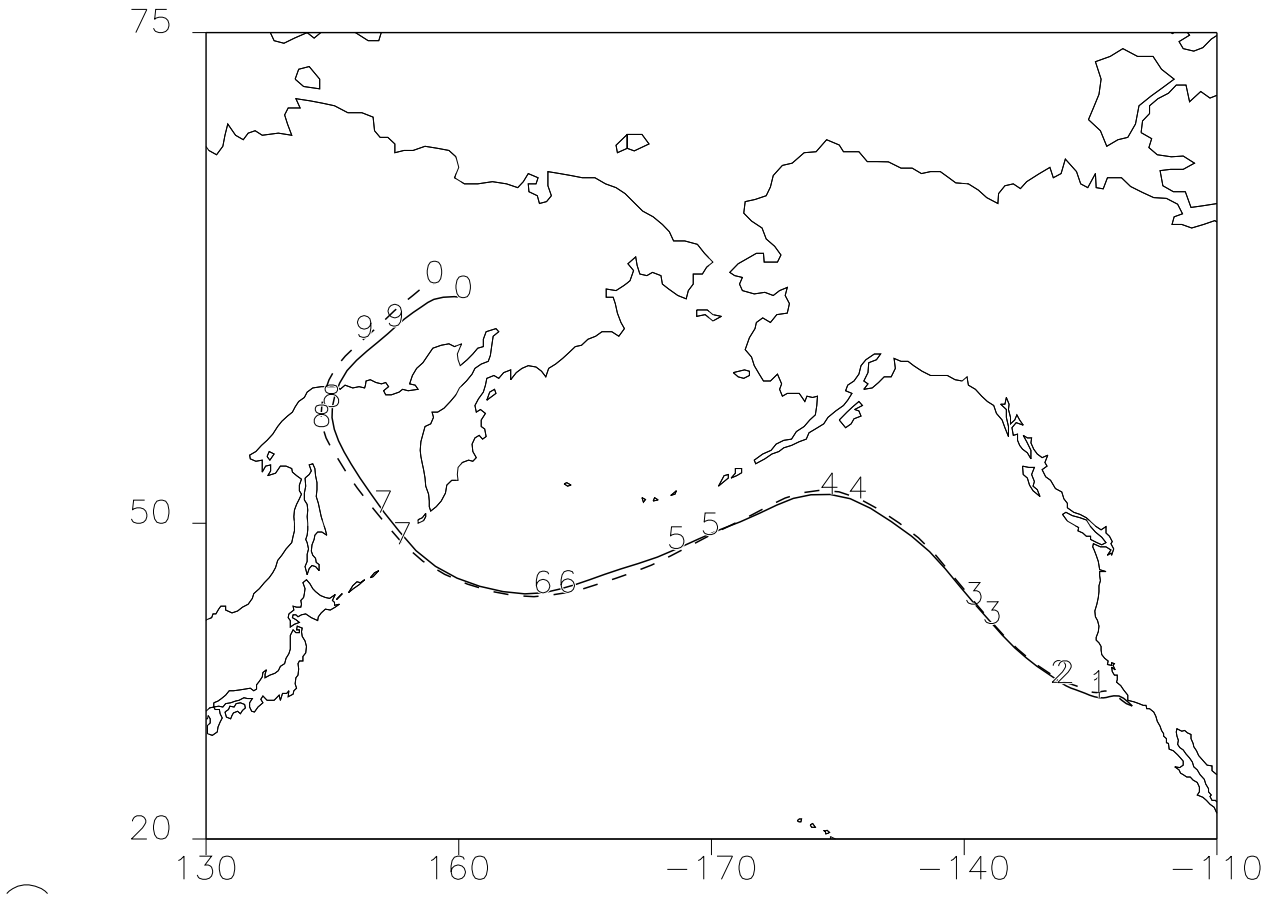
Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	10
2	0.2	1000	10
3	0.7	945	0
4	1.1	885	−3
5	1.7	801	−8
6	2.1	762	−16
7	2.3	737	−19
8	3.0	678	−22
9	2.8	701	−20
10	2.6	719	−17

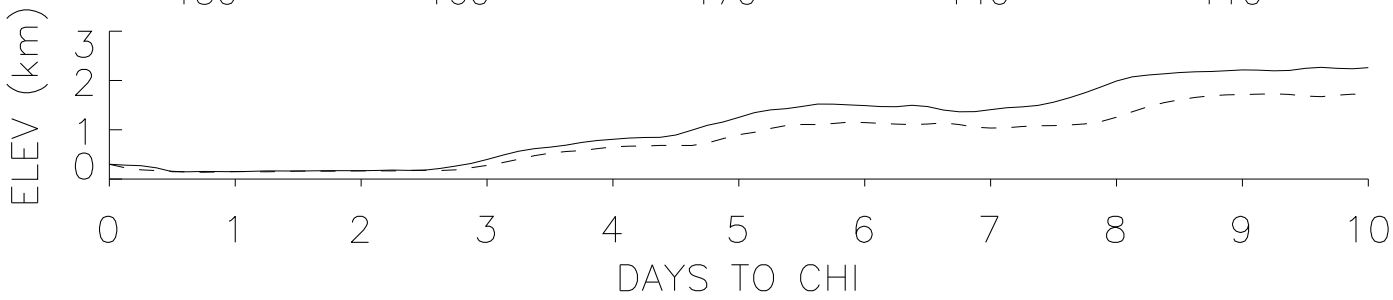
06UT

Day	km	hPa	C
0	0.3	980	11
1	0.2	1000	11
2	0.2	1000	11
3	0.6	957	2
4	1.0	897	−3
5	1.8	799	−9
6	2.1	755	−15
7	2.2	747	−19
8	2.9	678	−22
9	3.2	659	−24
10	3.0	679	−22

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/17/2004 (Day of Year 108)
NCEP/NCAR Reanalysis 1 Data Set





12UT

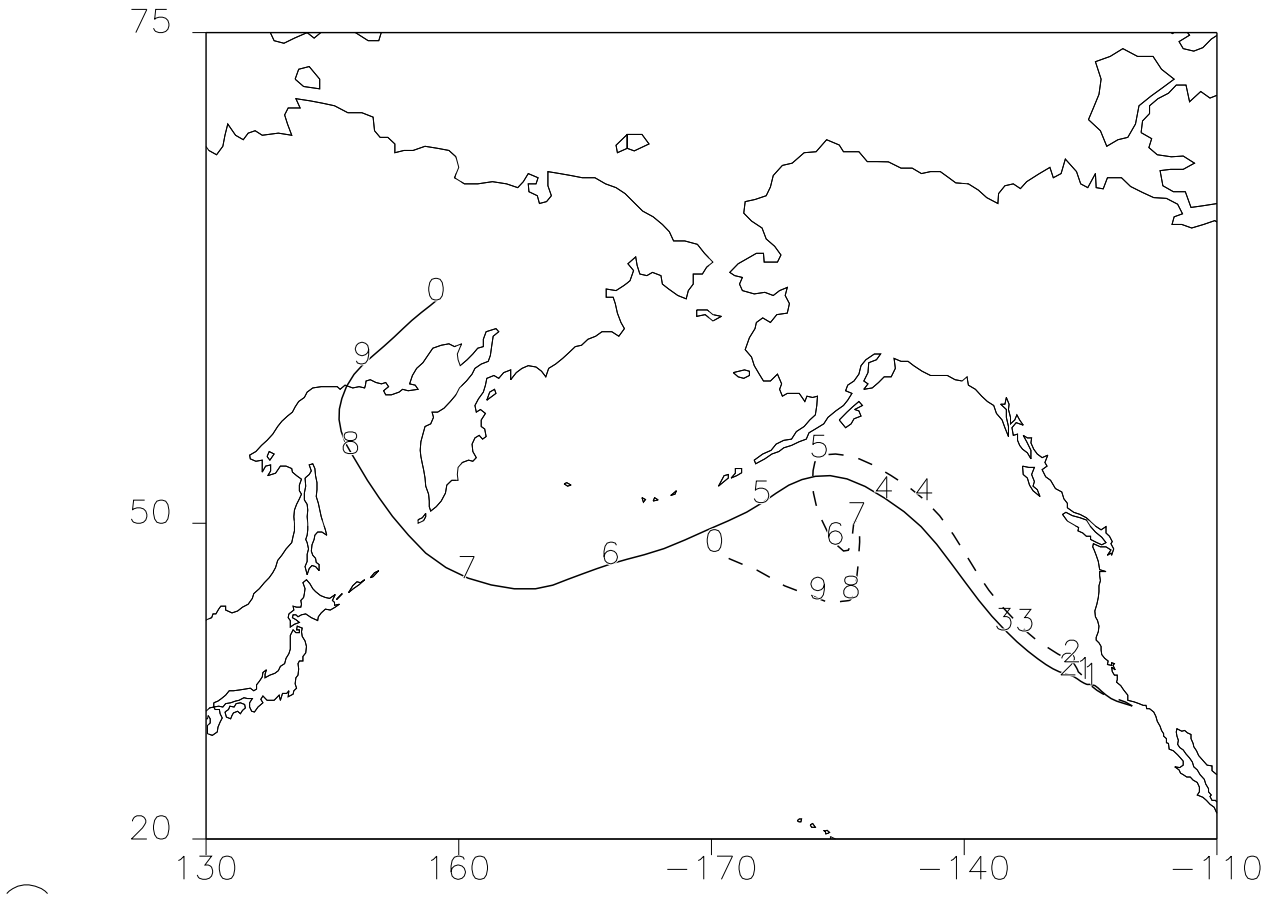
Day	km	hPa	C
0	0.3	979	9
1	0.1	1000	10
2	0.2	1000	11
3	0.4	976	3
4	0.8	920	−2
5	1.3	857	−7
6	1.5	825	−10
7	1.4	832	−16
8	2.0	773	−18
9	2.2	755	−18
10	2.3	754	−17

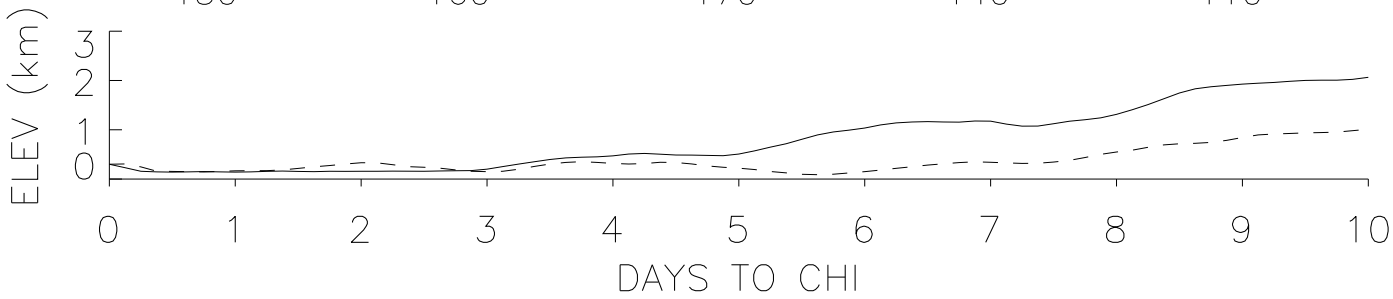
18UT

Day	km	hPa	C
0	0.3	981	12
1	0.2	1000	11
2	0.2	1000	10
3	0.3	990	6
4	0.7	942	−1
5	0.9	901	−4
6	1.1	864	−7
7	1.0	874	−12
8	1.3	853	−14
9	1.7	805	−17
10	1.7	809	−16

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/18/2004 (Day of Year 109)
NCEP/NCAR Reanalysis 1 Data Set





00UT

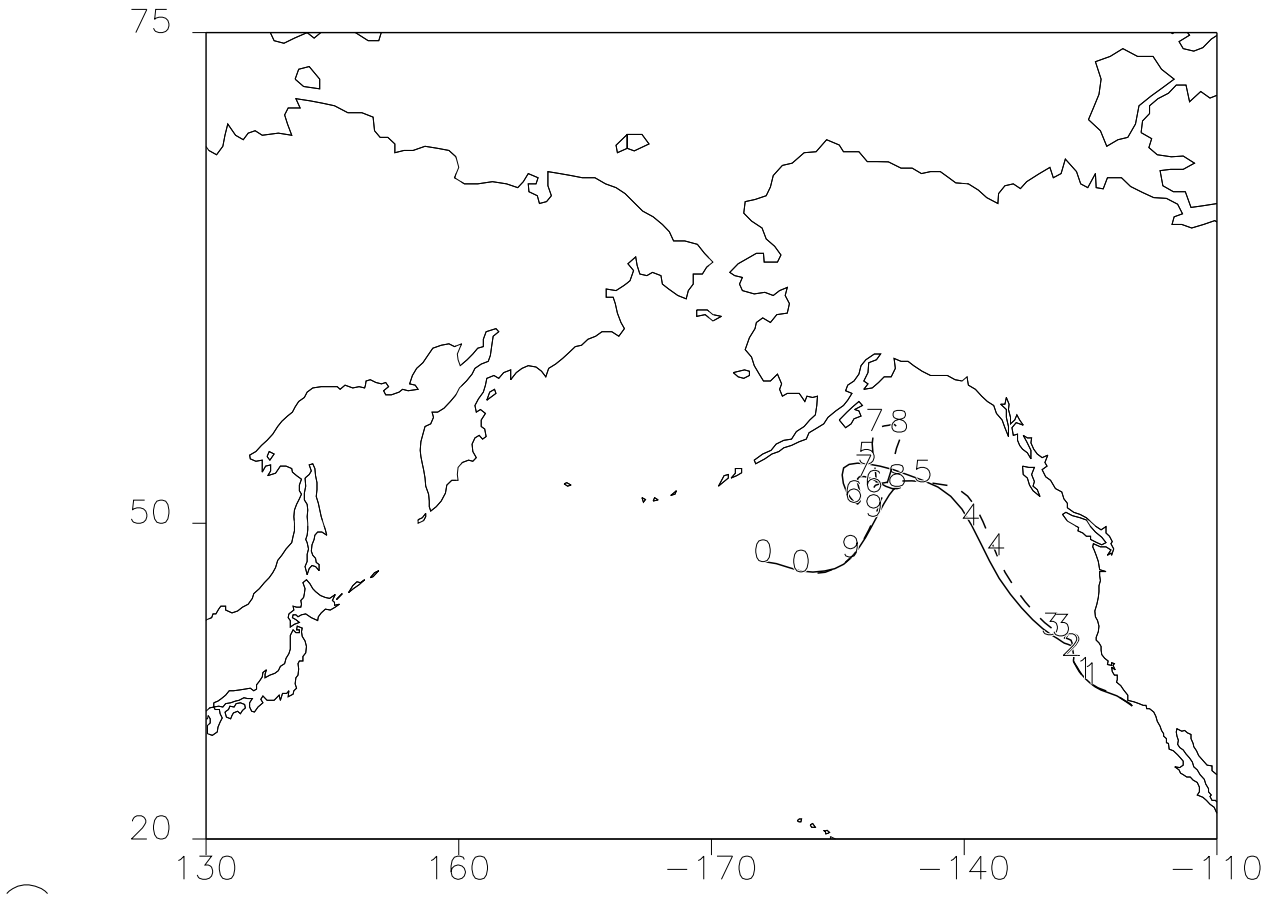
Day	km	hPa	C
0	0.3	982	11
1	0.1	1000	10
2	0.2	1000	9
3	0.2	997	7
4	0.5	966	0
5	0.5	948	0
6	1.0	876	−5
7	1.2	856	−11
8	1.3	844	−15
9	1.9	780	−18
10	2.1	773	−16

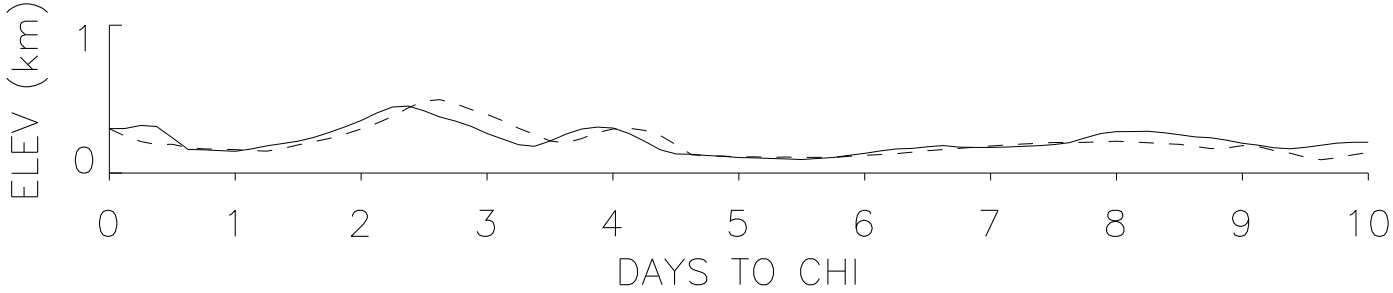
06UT

Day	km	hPa	C
0	0.3	984	11
1	0.2	998	11
2	0.3	978	9
3	0.1	1000	9
4	0.3	983	2
5	0.2	984	3
6	0.2	1000	4
7	0.3	978	2
8	0.5	960	2
9	0.8	914	−1
10	1.0	883	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/18/2004 (Day of Year 109)
NCEP/NCAR Reanalysis 1 Data Set





12UT

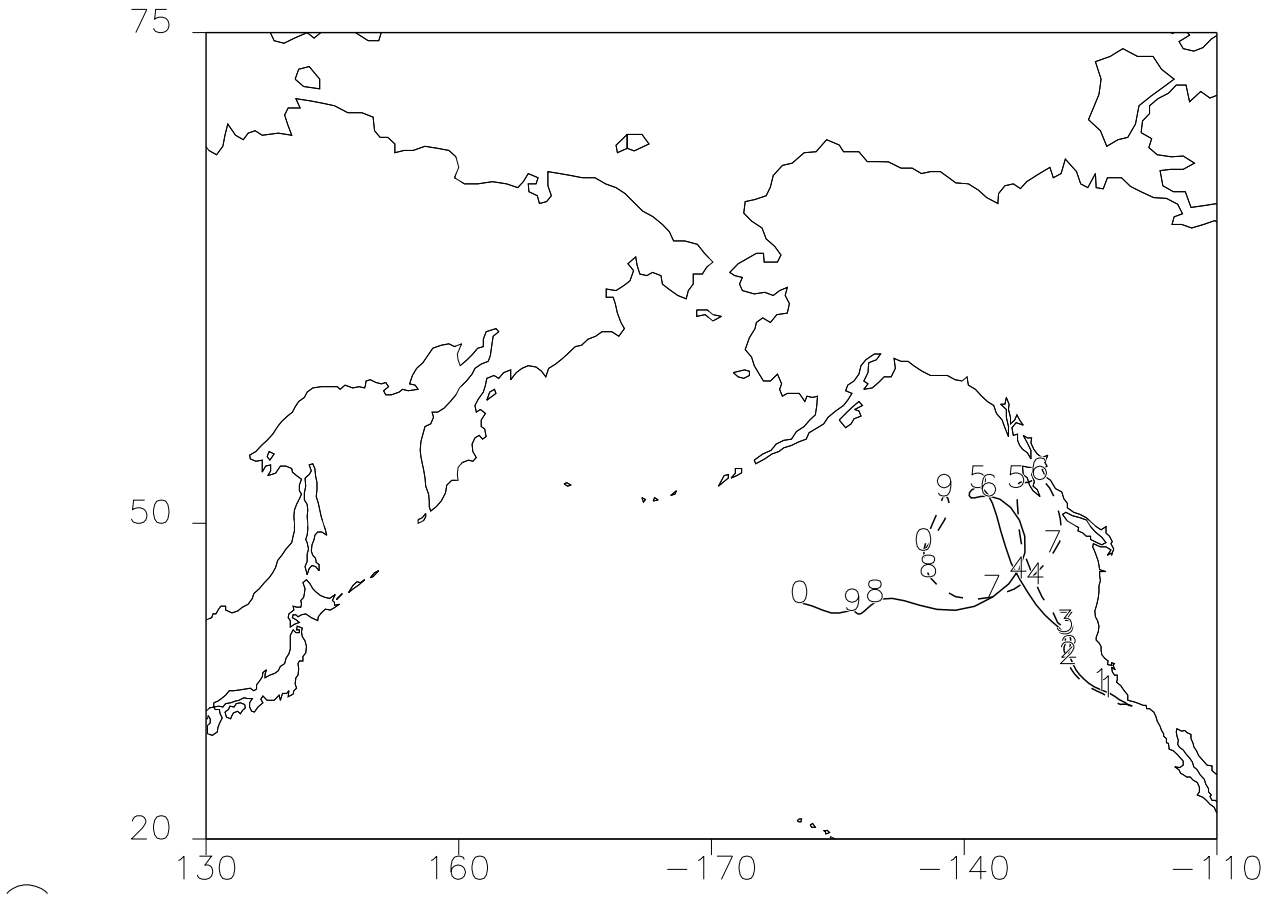
Day	km	hPa	C
0	0.3	985	10
1	0.1	1000	10
2	0.4	974	8
3	0.3	983	8
4	0.3	981	4
5	0.1	1000	4
6	0.1	1000	3
7	0.2	1000	3
8	0.3	991	2
9	0.2	989	4
10	0.2	978	1

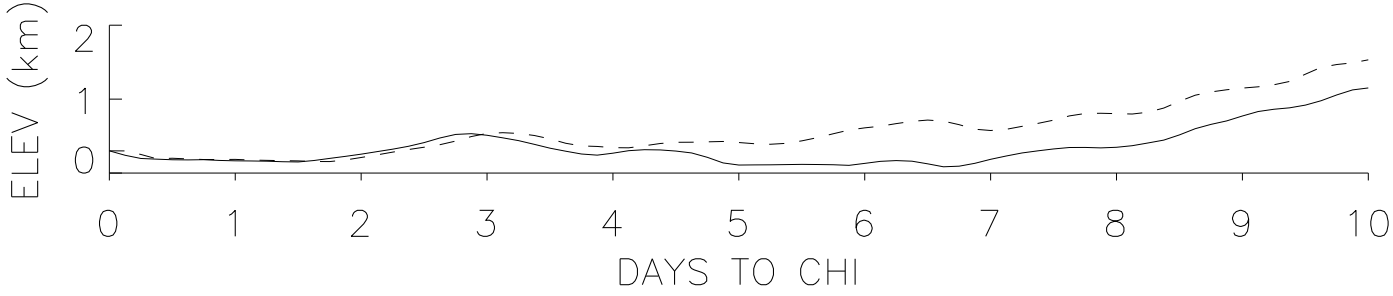
18UT

Day	km	hPa	C
0	0.3	988	13
1	0.2	1000	12
2	0.3	981	9
3	0.4	969	7
4	0.3	981	6
5	0.1	1000	5
6	0.1	1000	4
7	0.2	1000	2
8	0.2	1000	3
9	0.2	996	3
10	0.1	990	2

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/19/2004 (Day of Year 110)
NCEP/NCAR Reanalysis 1 Data Set





00UT

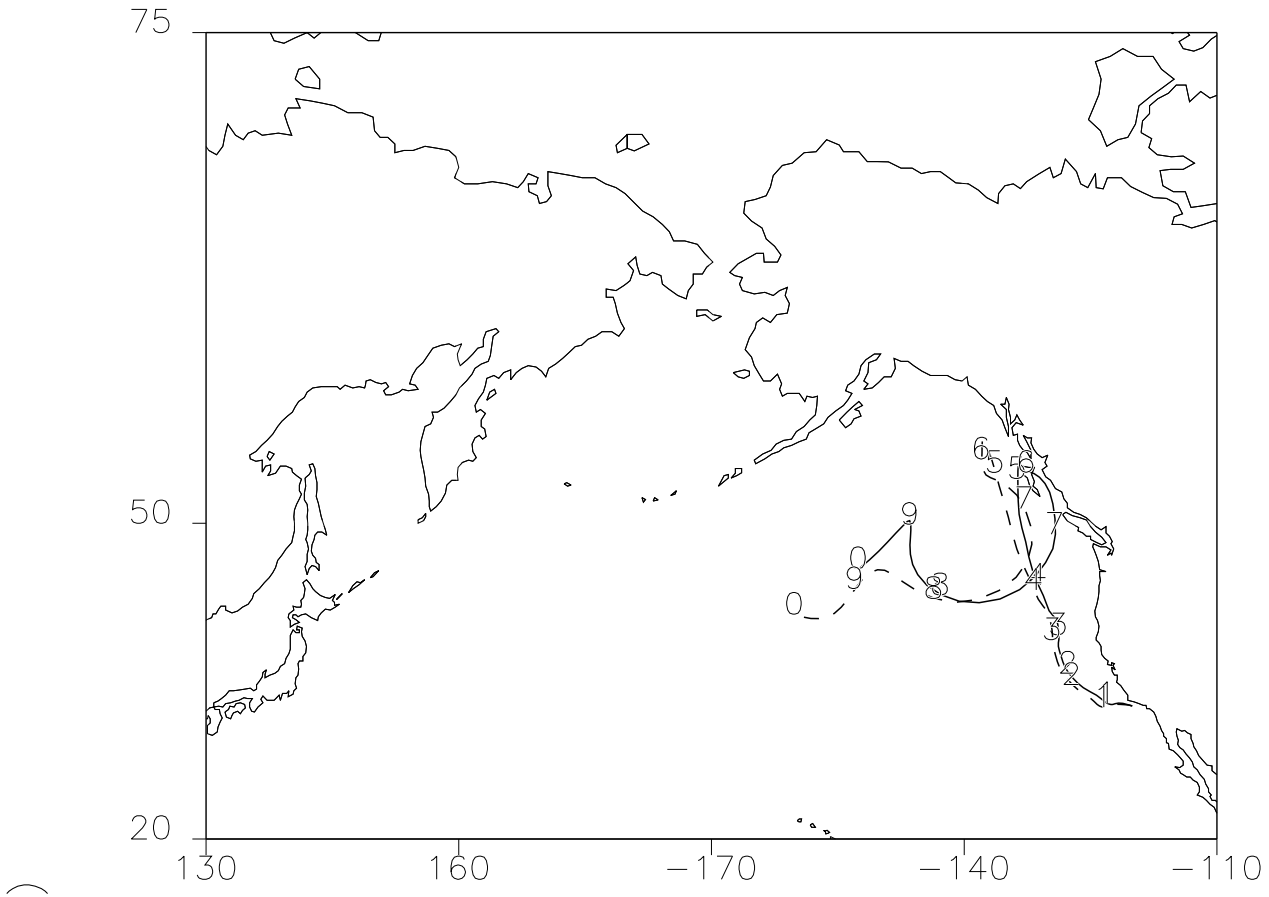
Day	km	hPa	C
0	0.3	985	13
1	0.2	1000	11
2	0.3	987	10
3	0.5	956	5
4	0.3	982	6
5	0.1	1000	5
6	0.1	994	7
7	0.2	988	8
8	0.3	983	4
9	0.8	932	1
10	1.2	878	−2

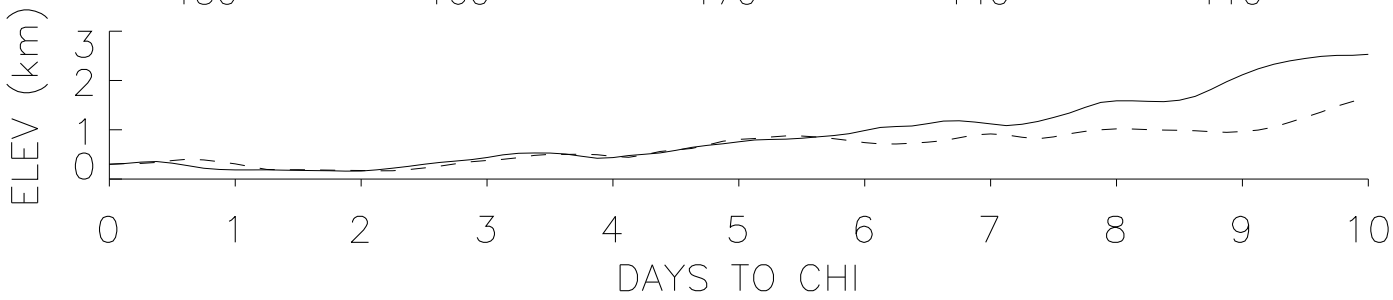
06UT

Day	km	hPa	C
0	0.3	985	12
1	0.2	1000	12
2	0.2	993	11
3	0.5	953	7
4	0.3	971	7
5	0.4	962	5
6	0.6	941	5
7	0.6	945	6
8	0.8	921	0
9	1.1	889	−2
10	1.5	841	−5

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/19/2004 (Day of Year 110)
NCEP/NCAR Reanalysis 1 Data Set





12UT

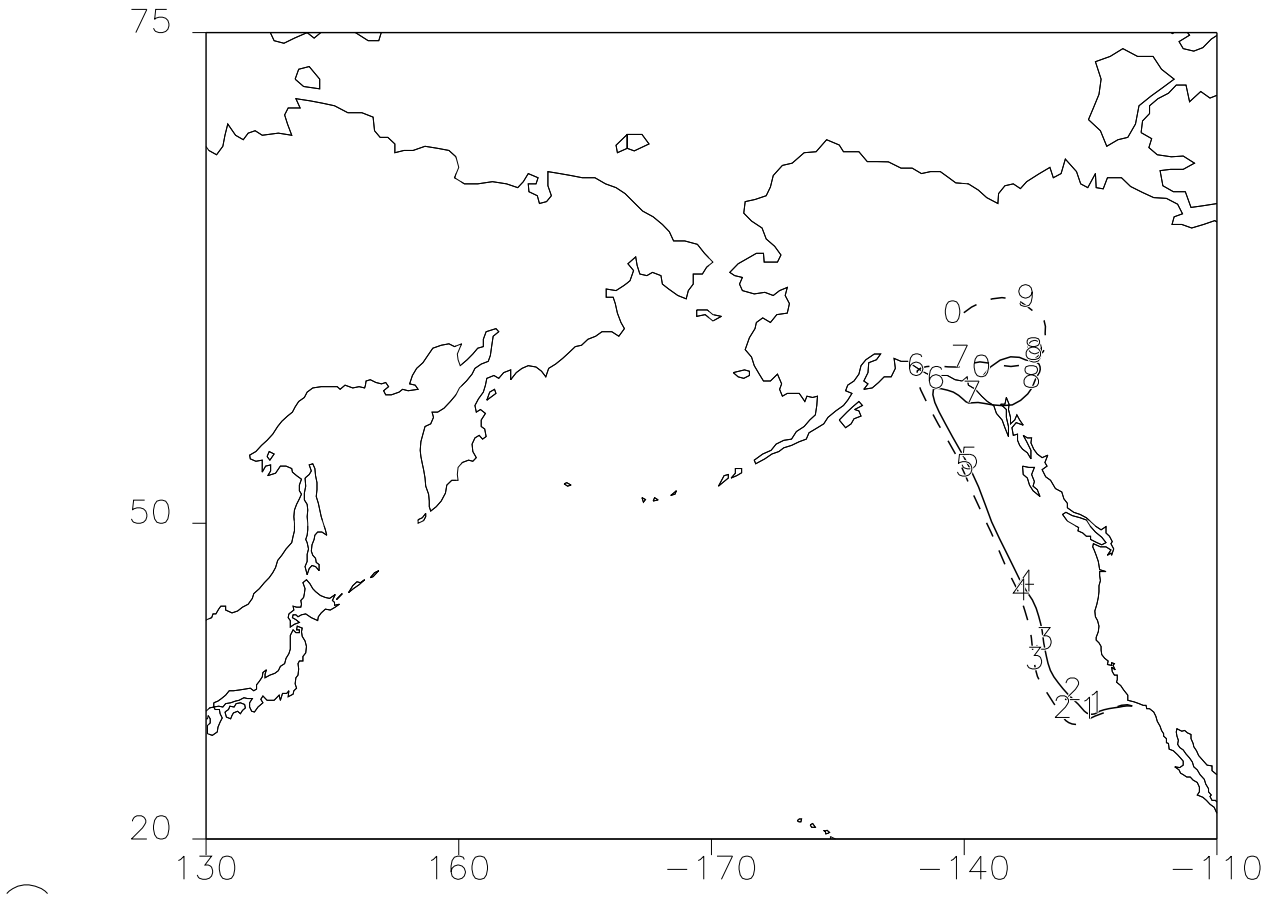
Day	km	hPa	C
0	0.3	985	11
1	0.2	1000	11
2	0.2	998	11
3	0.4	964	7
4	0.4	961	6
5	0.8	923	3
6	1.0	899	1
7	1.1	883	1
8	1.6	832	−1
9	2.1	785	−8
10	2.5	737	−11

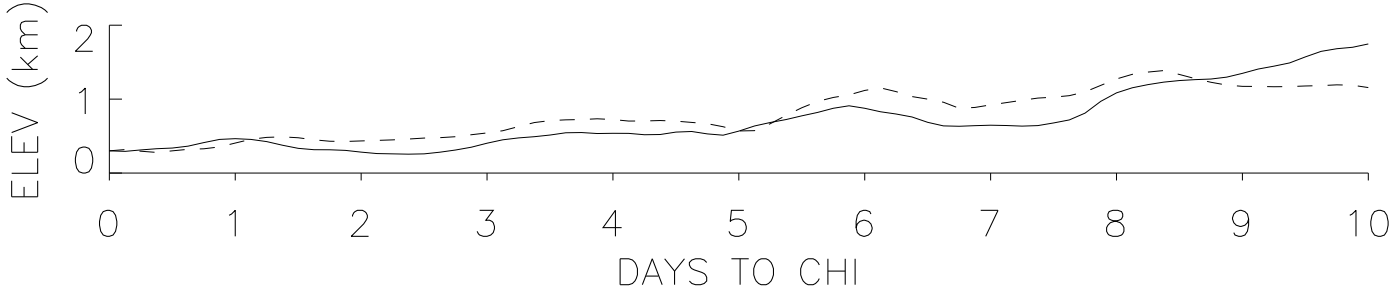
18UT

Day	km	hPa	C
0	0.3	988	12
1	0.3	988	11
2	0.2	1000	11
3	0.4	973	8
4	0.5	961	6
5	0.8	920	3
6	0.7	925	4
7	0.9	903	2
8	1.0	894	2
9	1.0	911	0
10	1.7	833	−1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/20/2004 (Day of Year 111)
NCEP/NCAR Reanalysis 1 Data Set





00UT

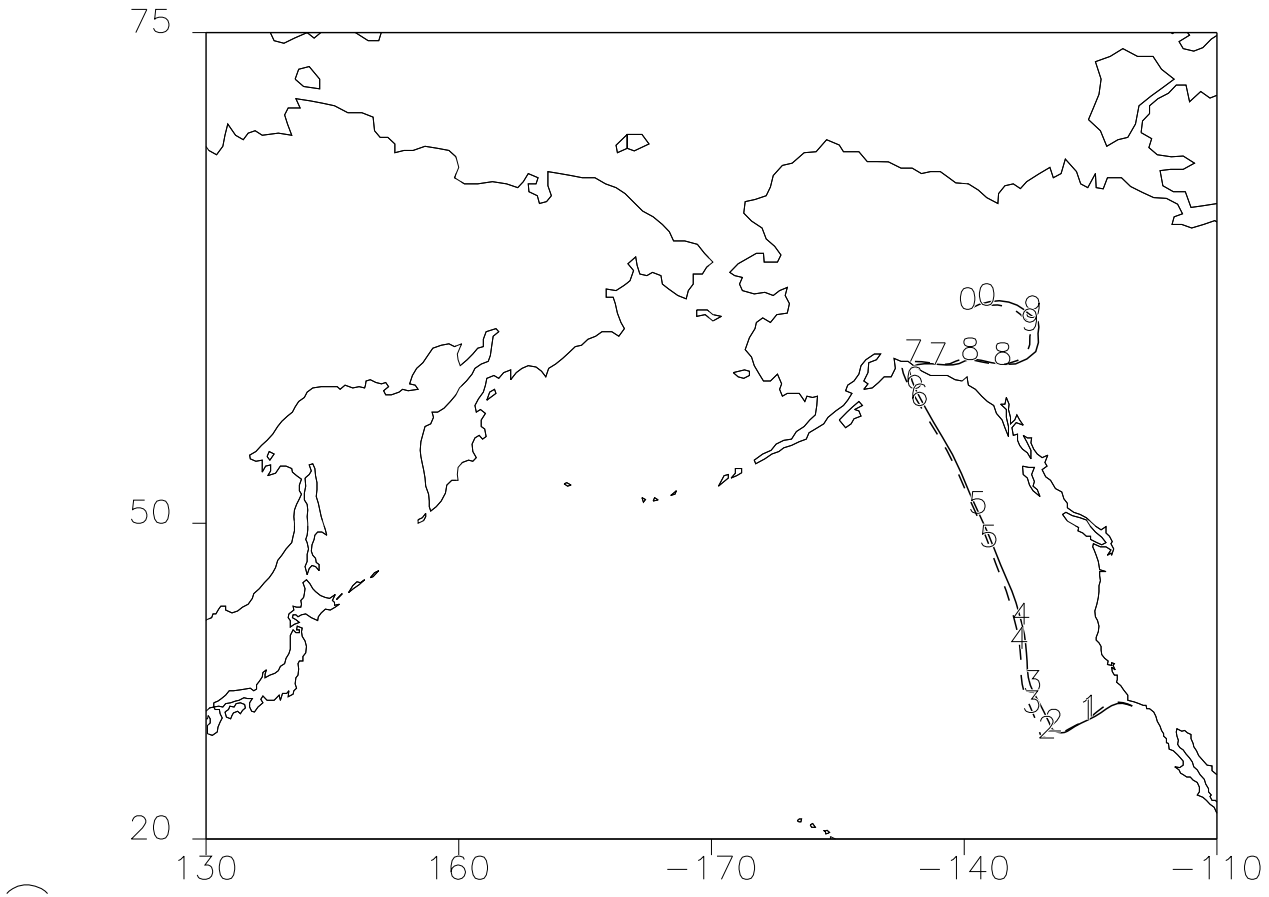
Day	km	hPa	C
0	0.3	986	13
1	0.5	968	9
2	0.3	988	11
3	0.4	971	9
4	0.5	954	4
5	0.6	951	3
6	0.9	909	2
7	0.6	938	4
8	1.1	891	3
9	1.3	865	−2
10	1.7	826	−5

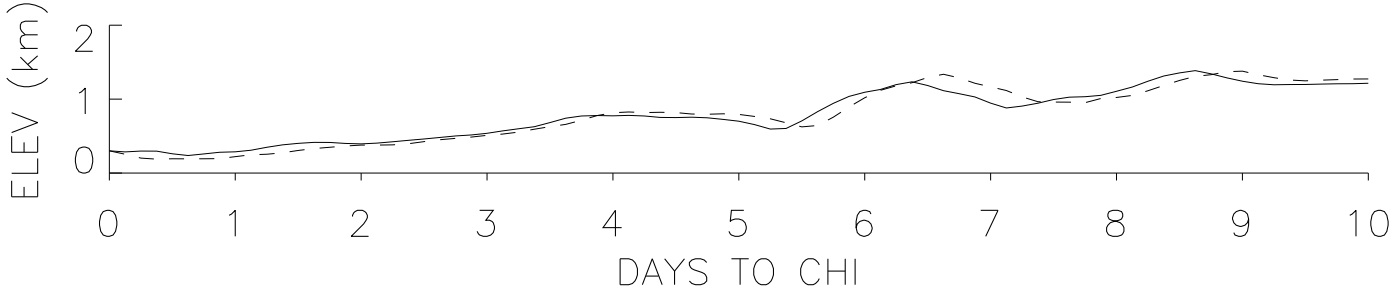
06UT

Day	km	hPa	C
0	0.3	987	13
1	0.4	975	12
2	0.4	972	11
3	0.5	957	9
4	0.7	934	4
5	0.6	951	4
6	1.1	885	0
7	0.9	907	0
8	1.3	871	−4
9	1.2	883	−3
10	1.2	886	−3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/20/2004 (Day of Year 111)
NCEP/NCAR Reanalysis 1 Data Set





12UT

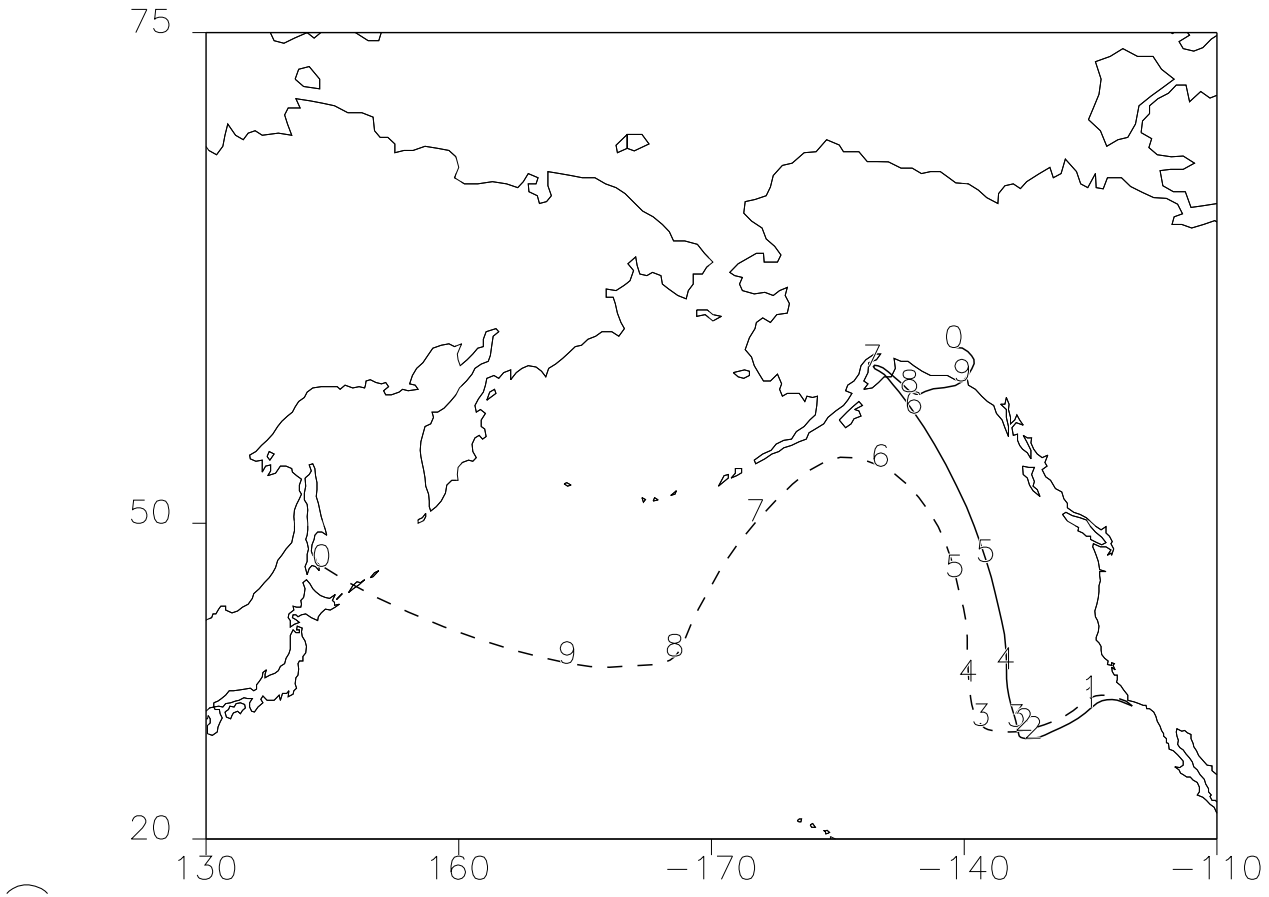
Day	km	hPa	C
0	0.3	986	12
1	0.3	987	12
2	0.4	977	11
3	0.5	958	8
4	0.8	928	4
5	0.7	936	3
6	1.1	891	0
7	0.9	902	−2
8	1.1	890	−4
9	1.2	876	−6
10	1.2	880	−3

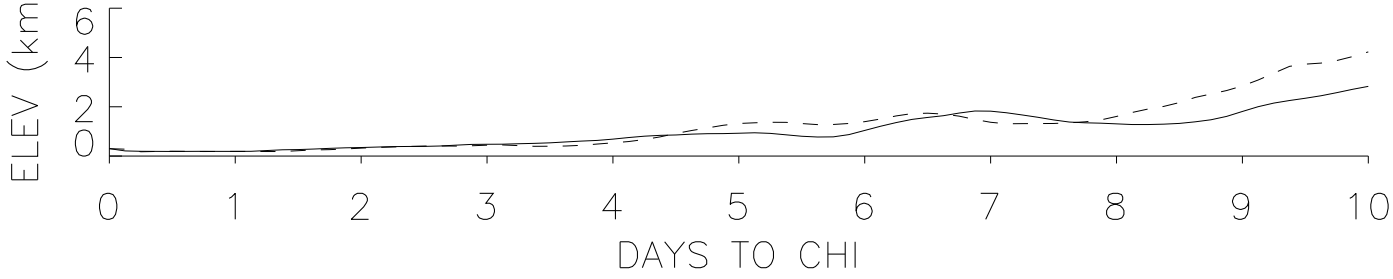
18UT

Day	km	hPa	C
0	0.3	987	16
1	0.2	997	13
2	0.4	981	12
3	0.5	964	10
4	0.8	925	5
5	0.8	927	1
6	1.0	901	0
7	1.2	877	−3
8	1.0	897	−2
9	1.4	861	−5
10	1.3	873	−4

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/21/2004 (Day of Year 112)
NCEP/NCAR Reanalysis 1 Data Set





00UT

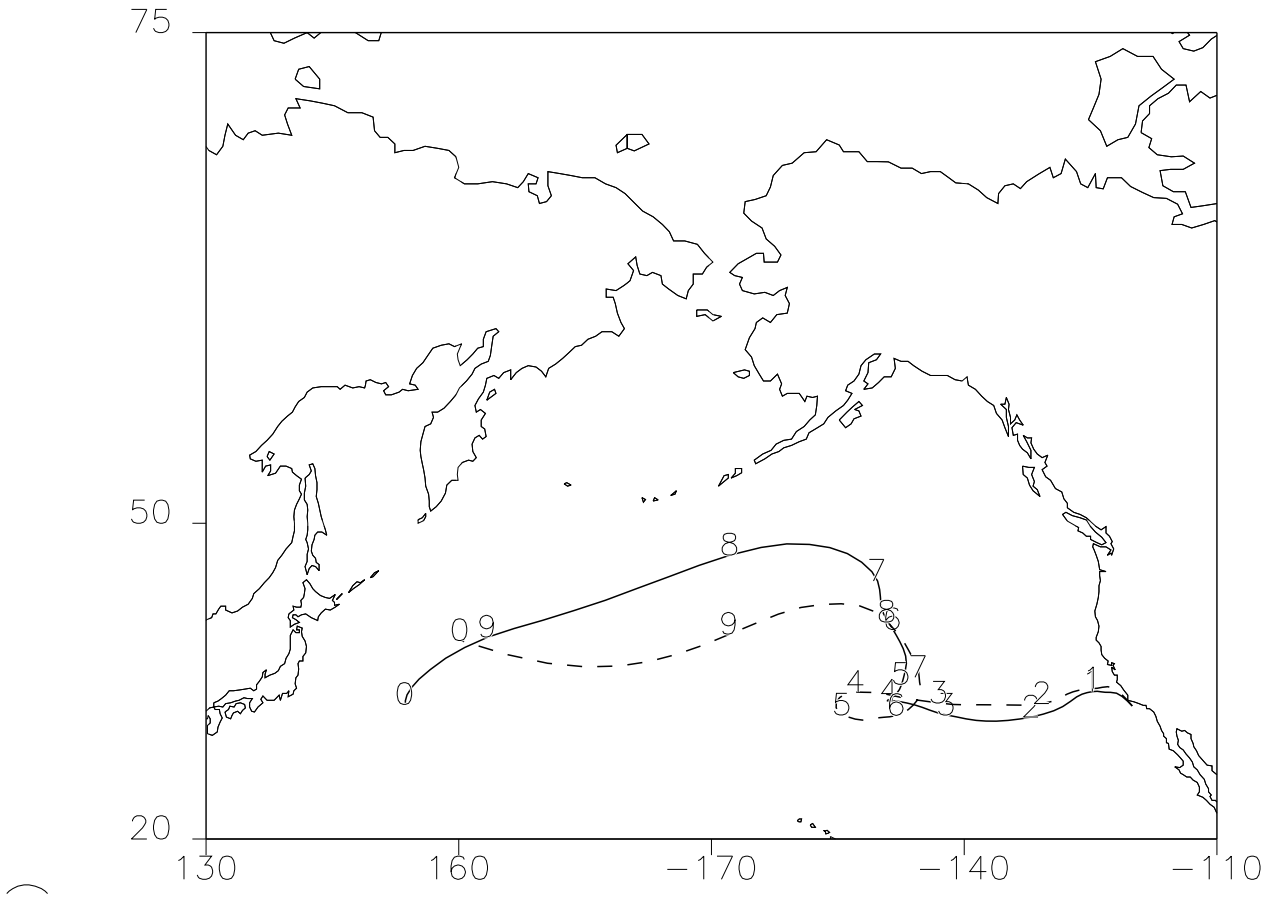
Day	km	hPa	C
0	0.3	984	16
1	0.2	1000	12
2	0.3	983	14
3	0.5	969	11
4	0.7	941	7
5	0.9	913	2
6	1.0	901	1
7	1.8	809	−7
8	1.3	863	−2
9	1.8	814	−3
10	2.8	715	−14

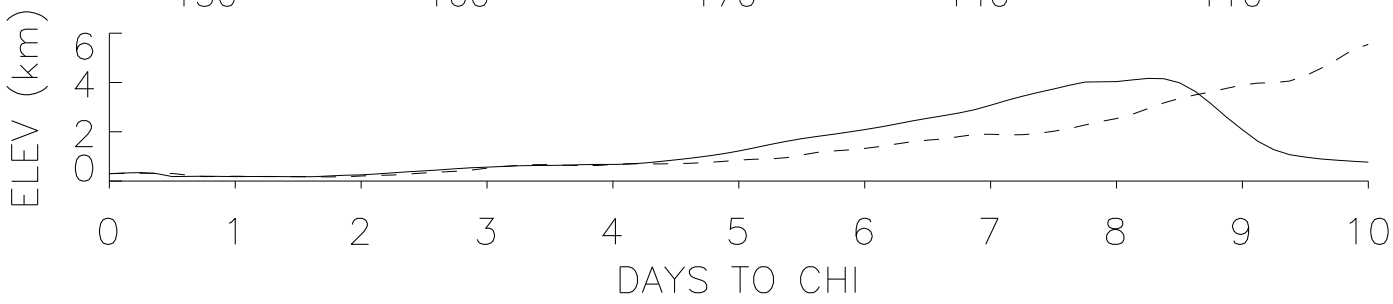
06UT

Day	km	hPa	C
0	0.3	984	14
1	0.2	1000	13
2	0.3	985	14
3	0.4	974	11
4	0.5	964	7
5	1.3	875	3
6	1.4	869	2
7	1.4	864	1
8	1.6	841	1
9	2.8	709	−11
10	4.2	585	−23

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/21/2004 (Day of Year 112)
NCEP/NCAR Reanalysis 1 Data Set





12UT

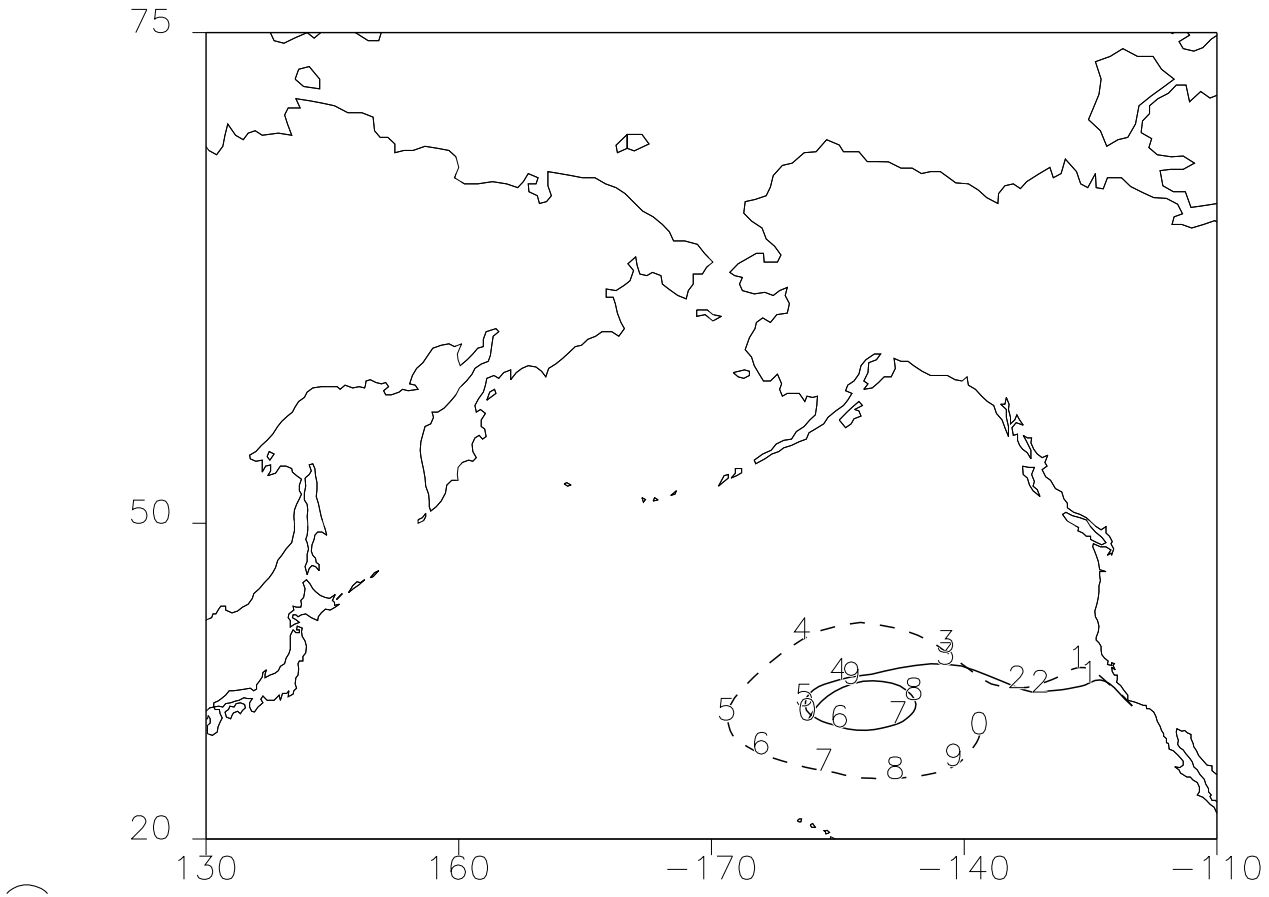
Day	km	hPa	C
0	0.3	981	14
1	0.2	1000	13
2	0.2	989	14
3	0.6	958	11
4	0.7	952	10
5	1.2	891	6
6	2.1	802	1
7	3.1	706	−6
8	4.0	609	−16
9	2.1	778	−4
10	0.8	931	8

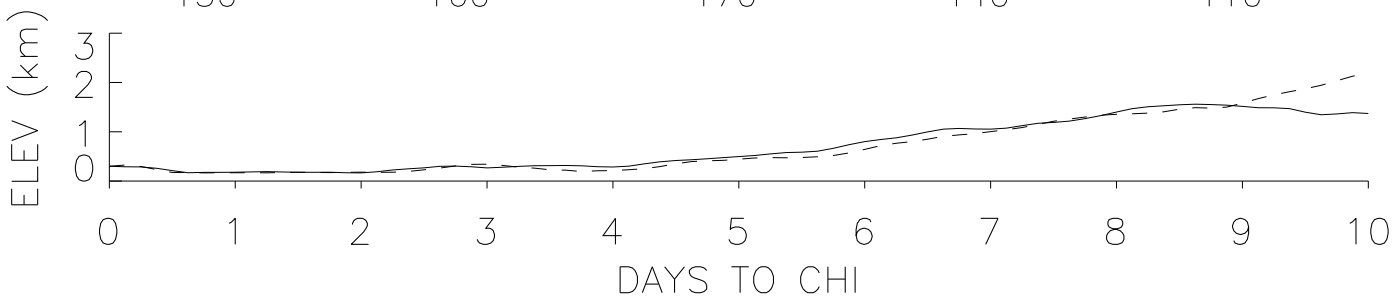
18UT

Day	km	hPa	C
0	0.3	982	15
1	0.2	1000	13
2	0.2	995	15
3	0.5	961	12
4	0.7	952	10
5	0.8	933	10
6	1.3	880	10
7	1.9	820	3
8	2.5	754	0
9	3.9	624	−13
10	5.5	490	−28

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/22/2004 (Day of Year 113)
NCEP/NCAR Reanalysis 1 Data Set





00UT

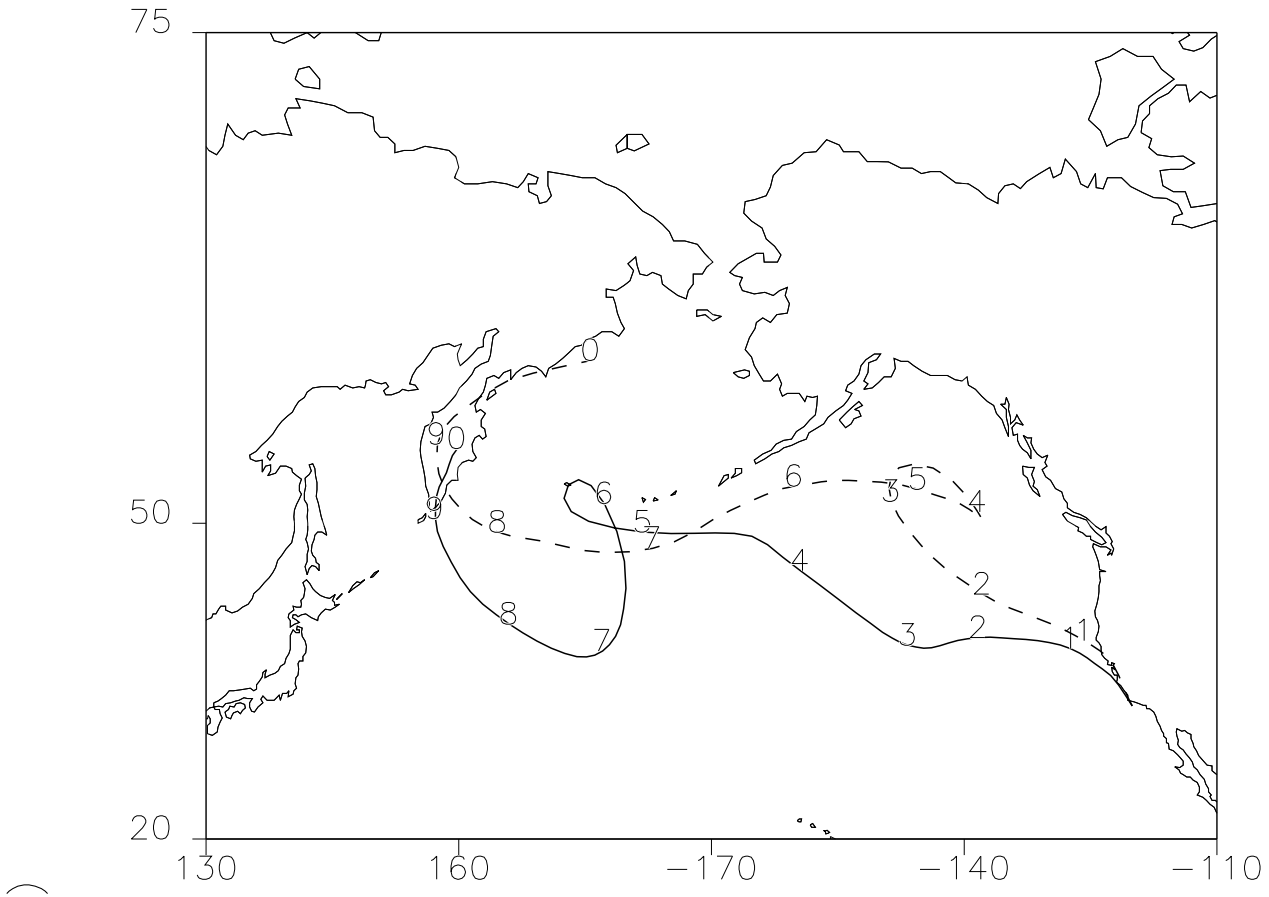
Day	km	hPa	C
0	0.3	980	15
1	0.2	1000	13
2	0.2	999	14
3	0.3	981	13
4	0.3	994	14
5	0.5	972	14
6	0.8	938	11
7	1.1	909	9
8	1.4	871	10
9	1.5	857	8
10	1.4	871	10

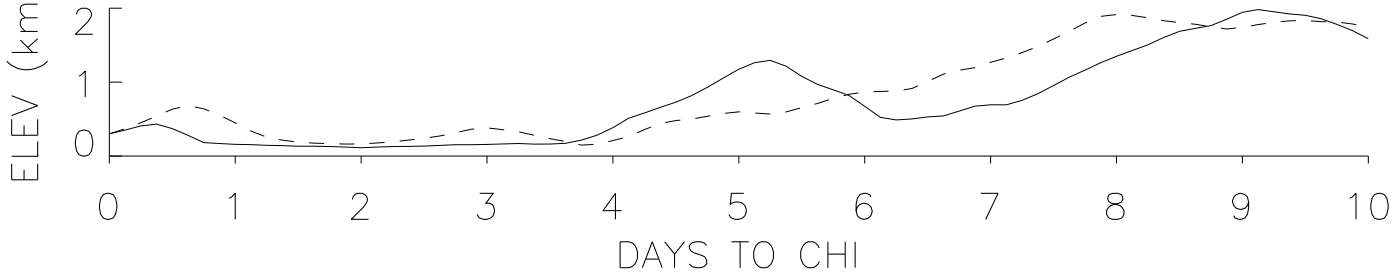
06UT

Day	km	hPa	C
0	0.3	979	13
1	0.2	1000	13
2	0.2	1000	13
3	0.3	975	10
4	0.2	989	14
5	0.4	976	17
6	0.6	952	18
7	1.0	912	15
8	1.4	874	12
9	1.6	850	10
10	2.2	787	6

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/22/2004 (Day of Year 113)
NCEP/NCAR Reanalysis 1 Data Set





12UT

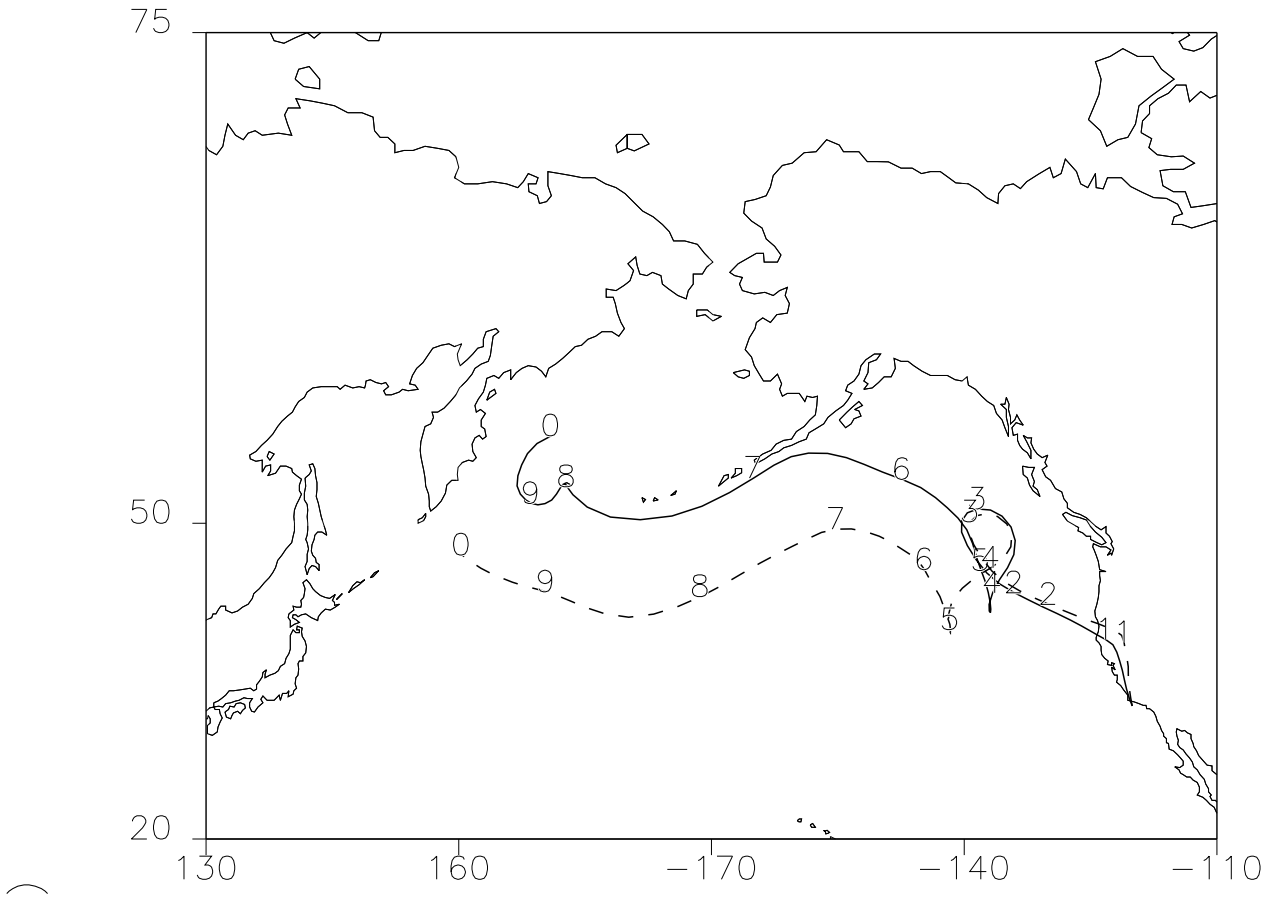
Day	km	hPa	C
0	0.3	979	12
1	0.2	1000	11
2	0.1	1000	10
3	0.2	999	9
4	0.4	959	2
5	1.2	863	−2
6	0.7	914	0
7	0.7	942	3
8	1.3	854	−4
9	1.9	782	−13
10	1.6	808	−7

18UT

Day	km	hPa	C
0	0.3	981	14
1	0.4	967	8
2	0.2	991	6
3	0.4	955	3
4	0.2	986	3
5	0.6	946	0
6	0.9	922	−2
7	1.3	864	−6
8	1.9	785	−12
9	1.7	804	−10
10	1.7	807	−9

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/23/2004 (Day of Year 114)
NCEP/NCAR Reanalysis 1 Data Set

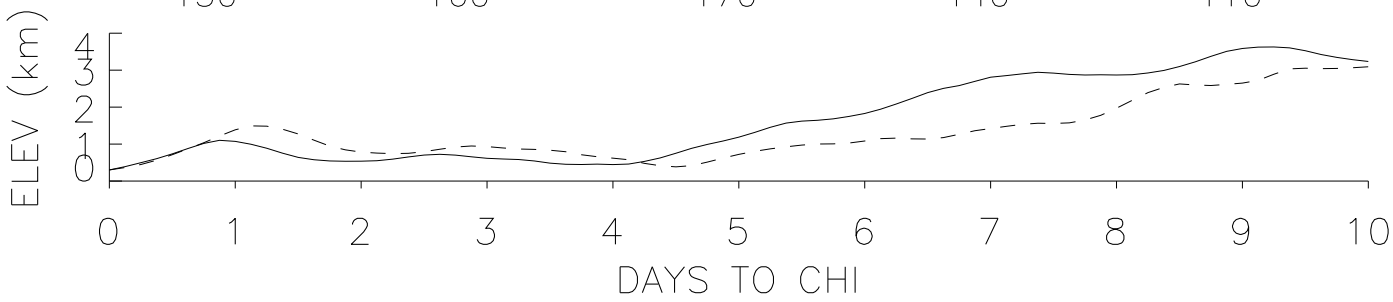


00UT

Day	km	hPa	C
0	0.3	979	18
1	1.1	894	6
2	0.5	946	5
3	0.6	921	4
4	0.4	954	6
5	1.2	879	−1
6	1.8	811	−6
7	2.8	709	−16
8	2.9	686	−18
9	3.6	622	−25
10	3.2	654	−20

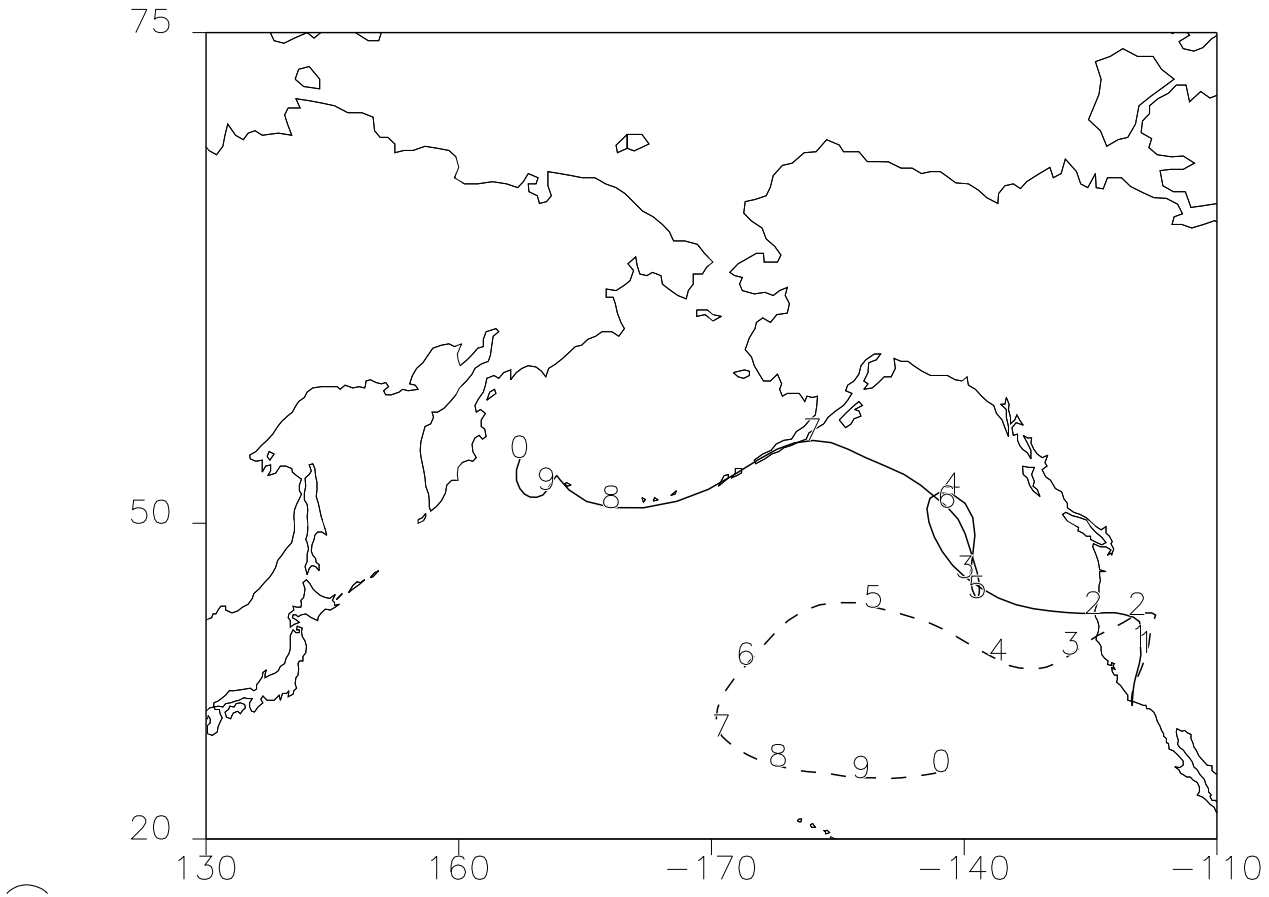
06UT

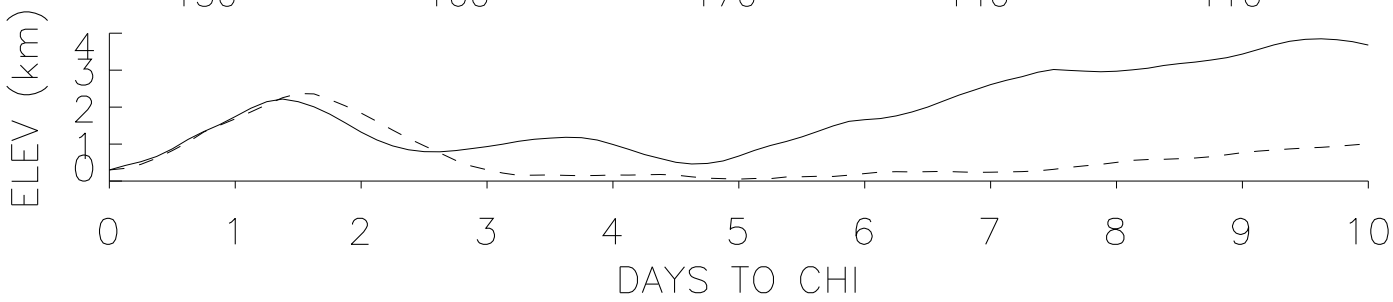
Day	km	hPa	C
0	0.3	981	16
1	1.4	860	3
2	0.8	920	5
3	0.9	888	2
4	0.6	924	4
5	0.7	935	4
6	1.1	896	1
7	1.4	861	−1
8	2.0	792	−8
9	2.6	712	−18
10	3.1	668	−20



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/23/2004 (Day of Year 114)
NCEP/NCAR Reanalysis 1 Data Set





12UT

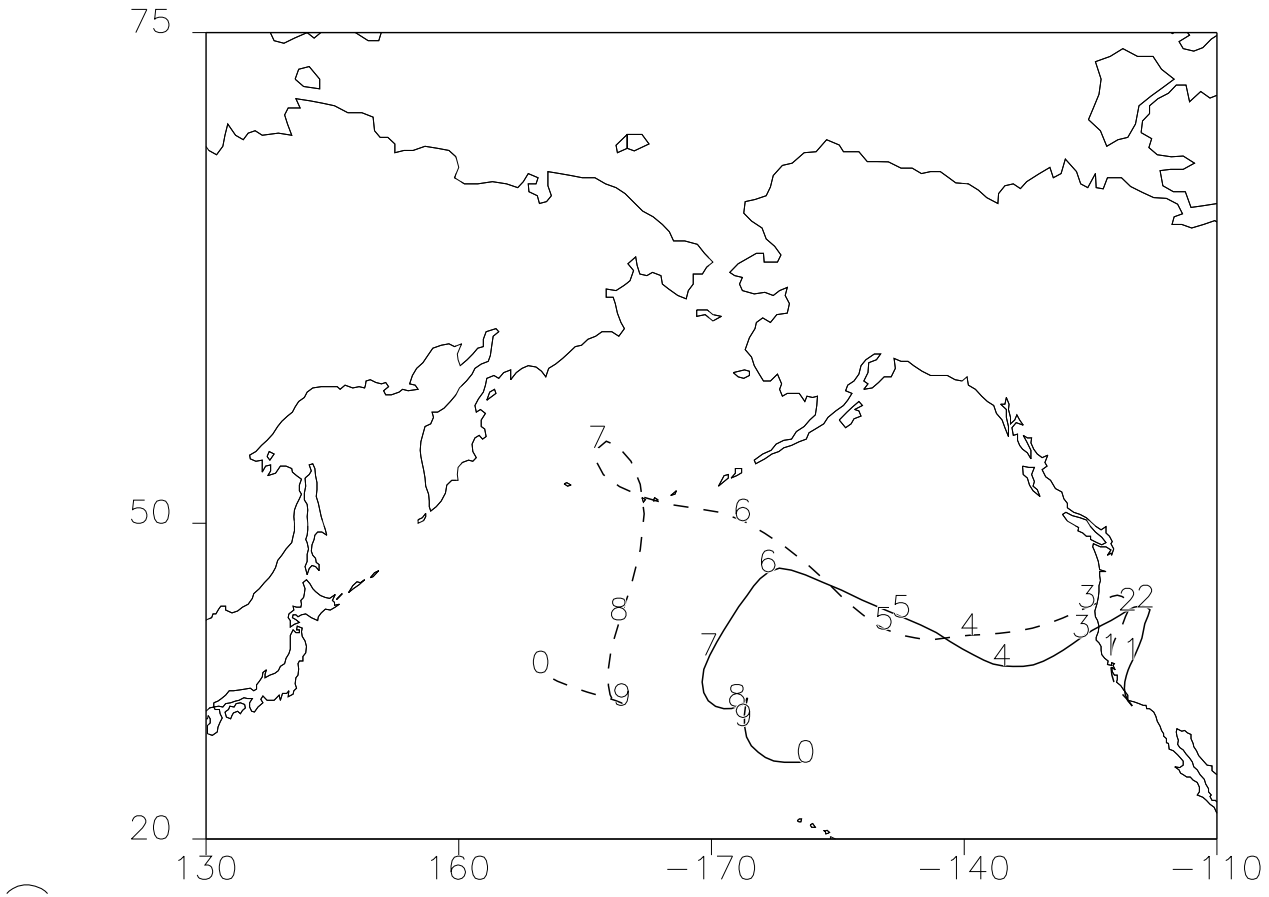
Day	km	hPa	C
0	0.3	980	15
1	1.7	823	−1
2	1.3	862	2
3	0.9	897	−1
4	1.0	875	−2
5	0.7	937	0
6	1.7	826	−6
7	2.6	731	−15
8	3.0	677	−17
9	3.4	637	−23
10	3.7	614	−24

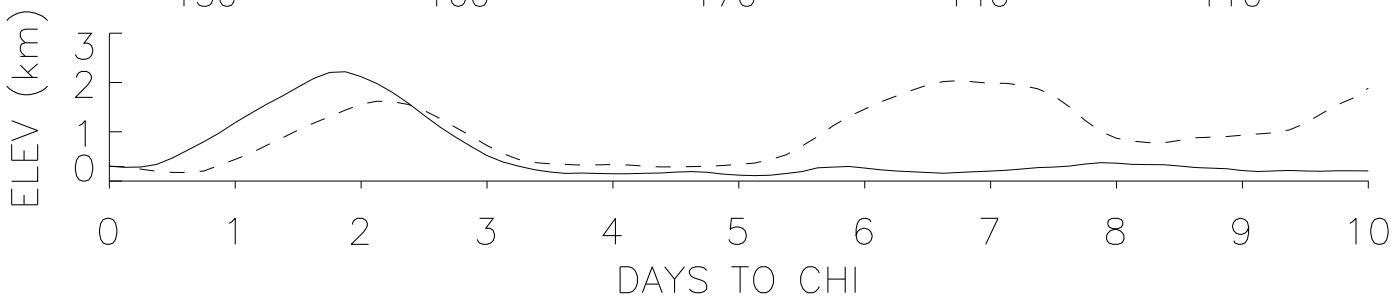
18UT

Day	km	hPa	C
0	0.3	983	18
1	1.7	831	4
2	1.8	810	−1
3	0.3	984	10
4	0.2	997	11
5	0.1	999	10
6	0.2	998	16
7	0.2	999	19
8	0.5	965	19
9	0.8	937	14
10	1.0	911	11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/24/2004 (Day of Year 115)
NCEP/NCAR Reanalysis 1 Data Set





00UT

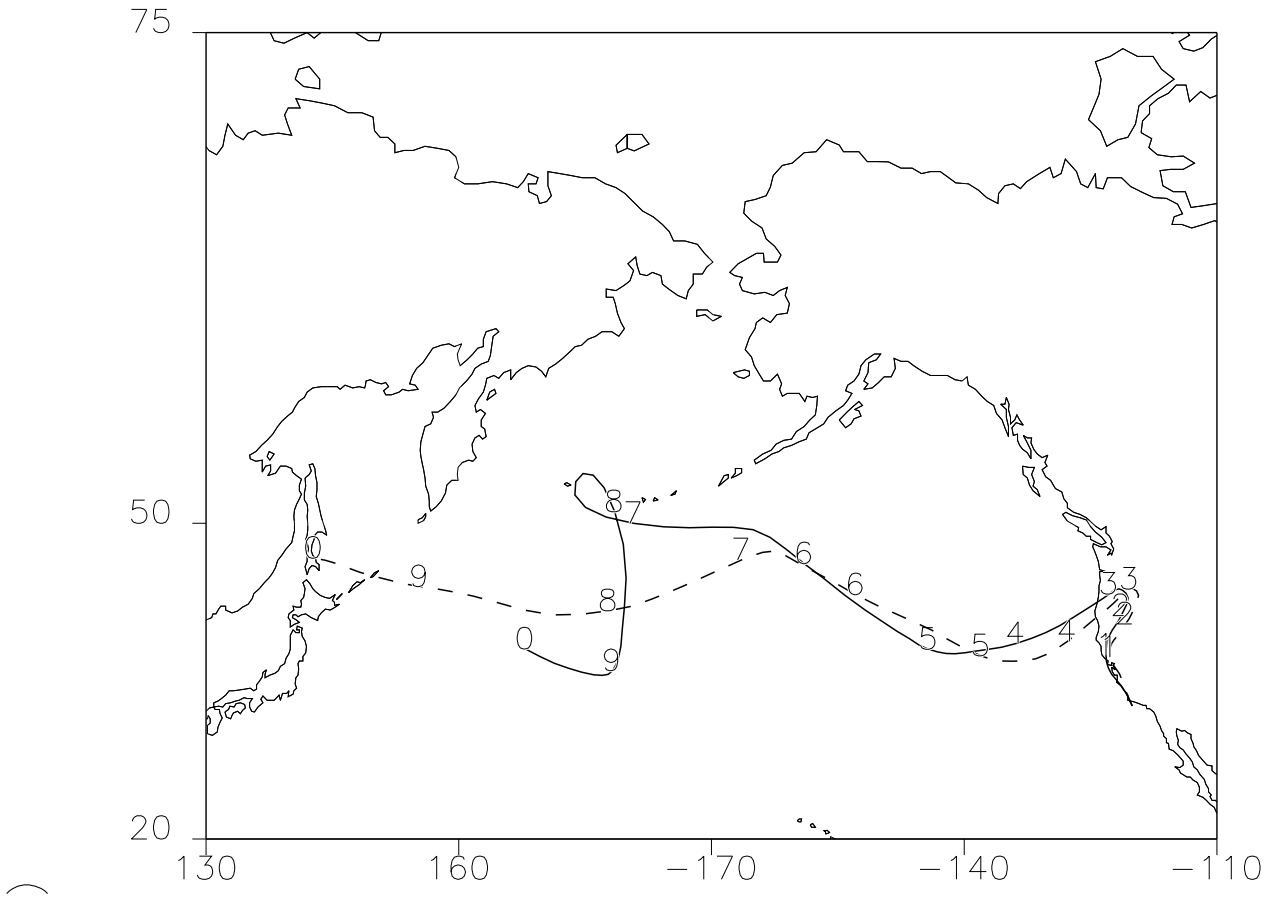
Day	km	hPa	C
0	0.3	980	20
1	1.2	884	15
2	2.1	782	−2
3	0.5	955	9
4	0.1	1000	11
5	0.1	997	9
6	0.3	975	6
7	0.2	1000	14
8	0.4	986	16
9	0.2	997	19
10	0.2	1000	18

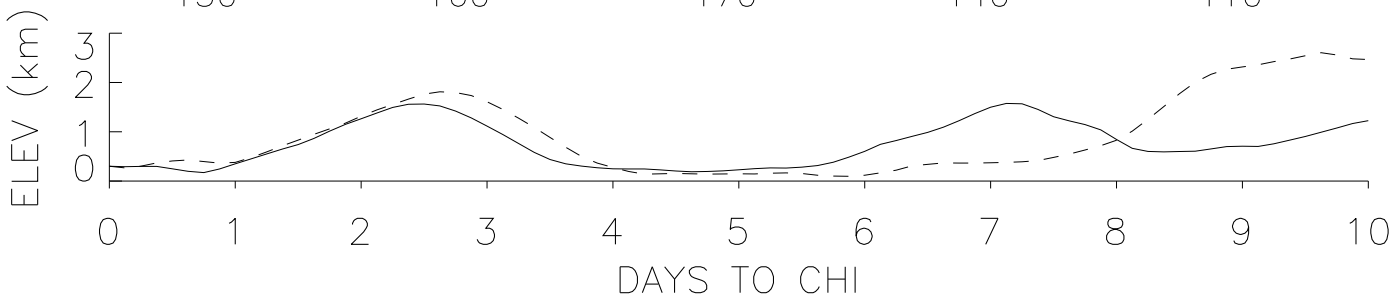
06UT

Day	km	hPa	C
0	0.3	980	17
1	0.4	968	13
2	1.6	844	−1
3	0.7	927	6
4	0.3	975	8
5	0.3	978	7
6	1.5	835	−3
7	2.0	768	−8
8	0.9	910	5
9	0.9	917	5
10	1.9	798	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/24/2004 (Day of Year 115)
NCEP/NCAR Reanalysis 1 Data Set





12UT

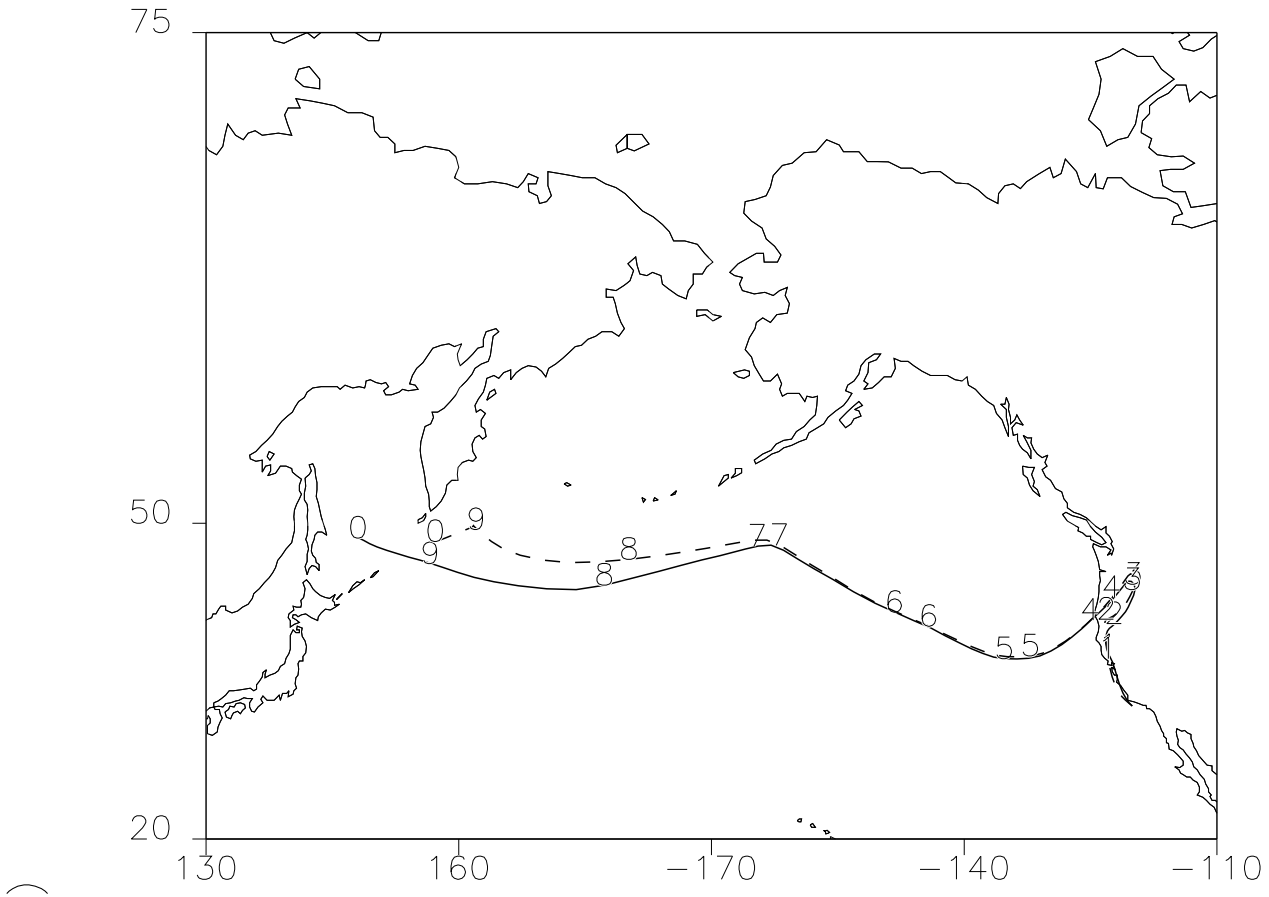
Day	km	hPa	C
0	0.3	979	15
1	0.3	980	11
2	1.3	877	2
3	1.1	883	2
4	0.2	984	9
5	0.2	990	8
6	0.6	932	0
7	1.5	827	−4
8	0.8	896	−1
9	0.7	942	5
10	1.2	870	−2

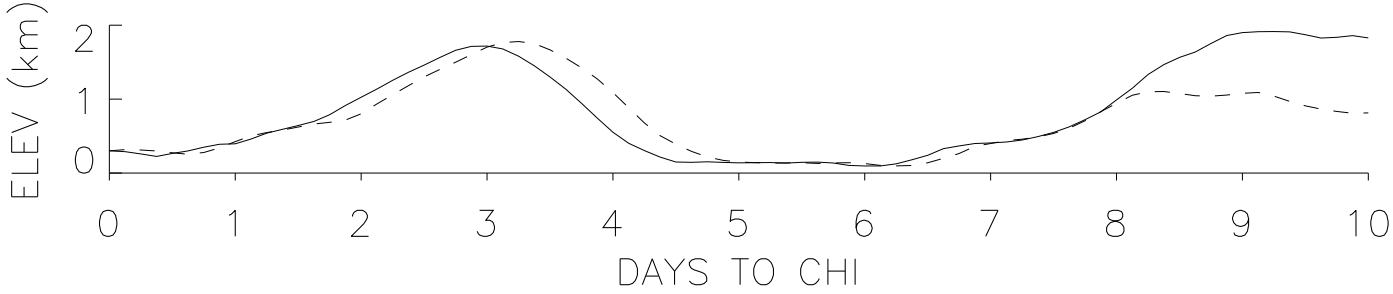
18UT

Day	km	hPa	C
0	0.3	980	20
1	0.4	976	16
2	1.3	873	6
3	1.6	833	−2
4	0.3	985	9
5	0.1	1000	10
6	0.1	992	7
7	0.4	964	4
8	0.8	912	0
9	2.3	743	−17
10	2.5	731	−18

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/25/2004 (Day of Year 116)
NCEP/NCAR Reanalysis 1 Data Set





00UT

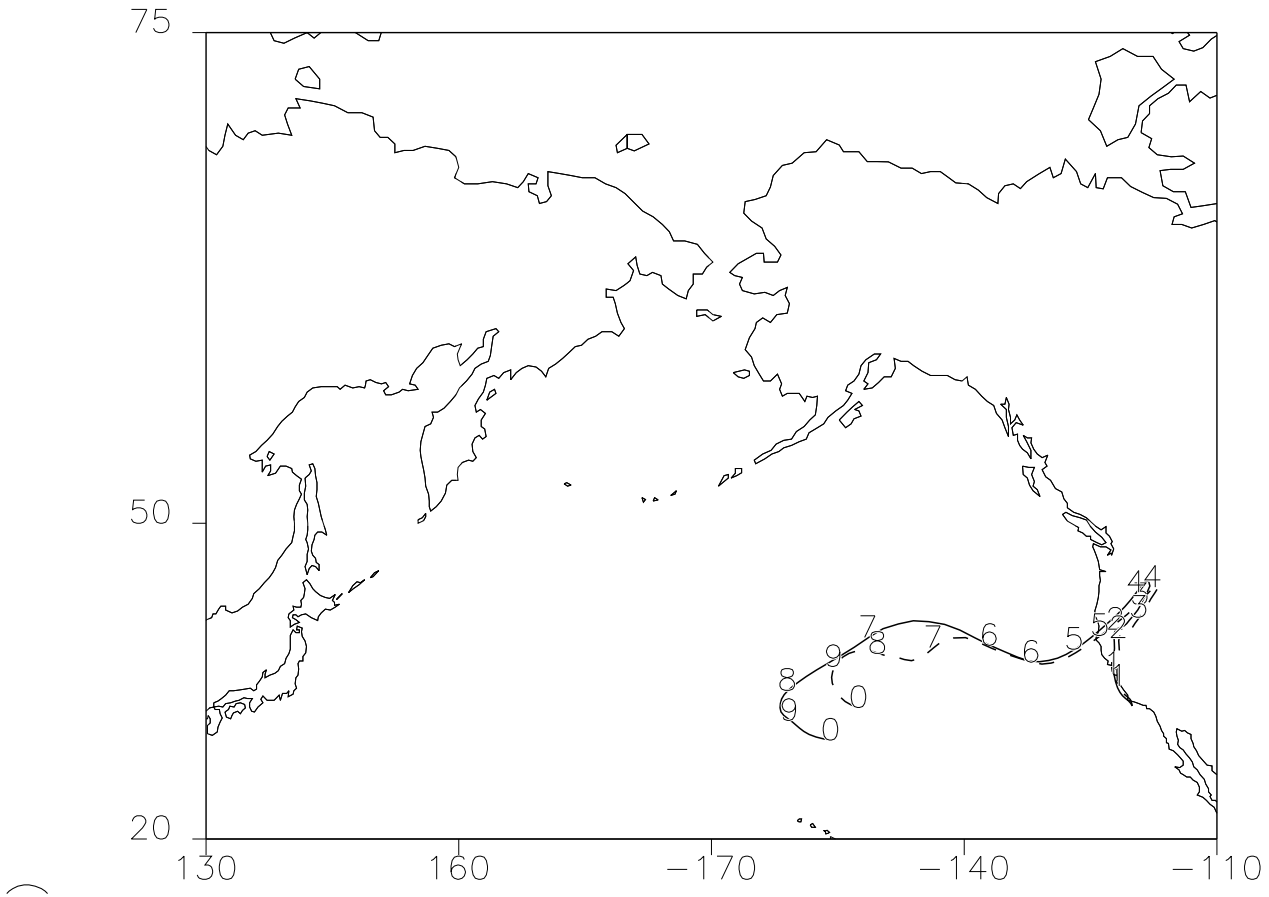
Day	km	hPa	C
0	0.3	978	21
1	0.4	971	18
2	1.0	905	12
3	1.7	823	−1
4	0.6	949	7
5	0.1	1000	11
6	0.1	1000	8
7	0.4	956	3
8	1.0	892	−2
9	1.9	783	−13
10	1.8	793	−12

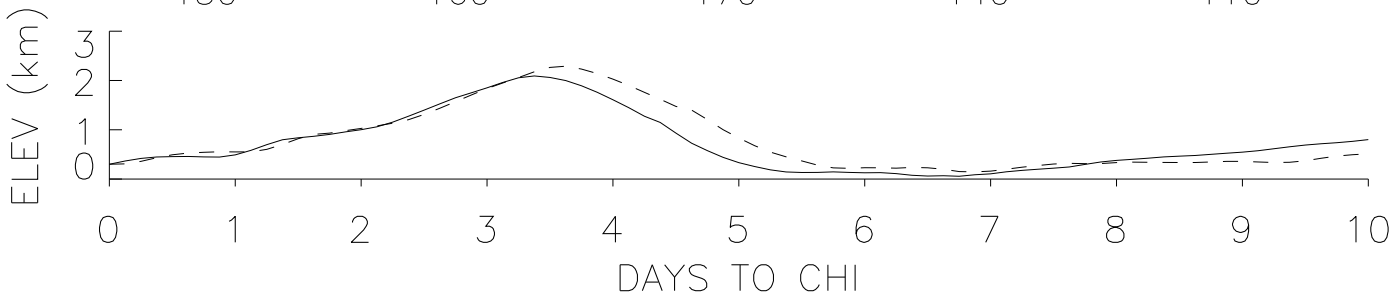
06UT

Day	km	hPa	C
0	0.3	980	18
1	0.4	968	14
2	0.8	928	10
3	1.7	829	−1
4	1.1	887	3
5	0.1	1000	12
6	0.1	999	10
7	0.4	954	2
8	0.9	893	−1
9	1.1	866	−5
10	0.8	902	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/25/2004 (Day of Year 116)
NCEP/NCAR Reanalysis 1 Data Set





12UT

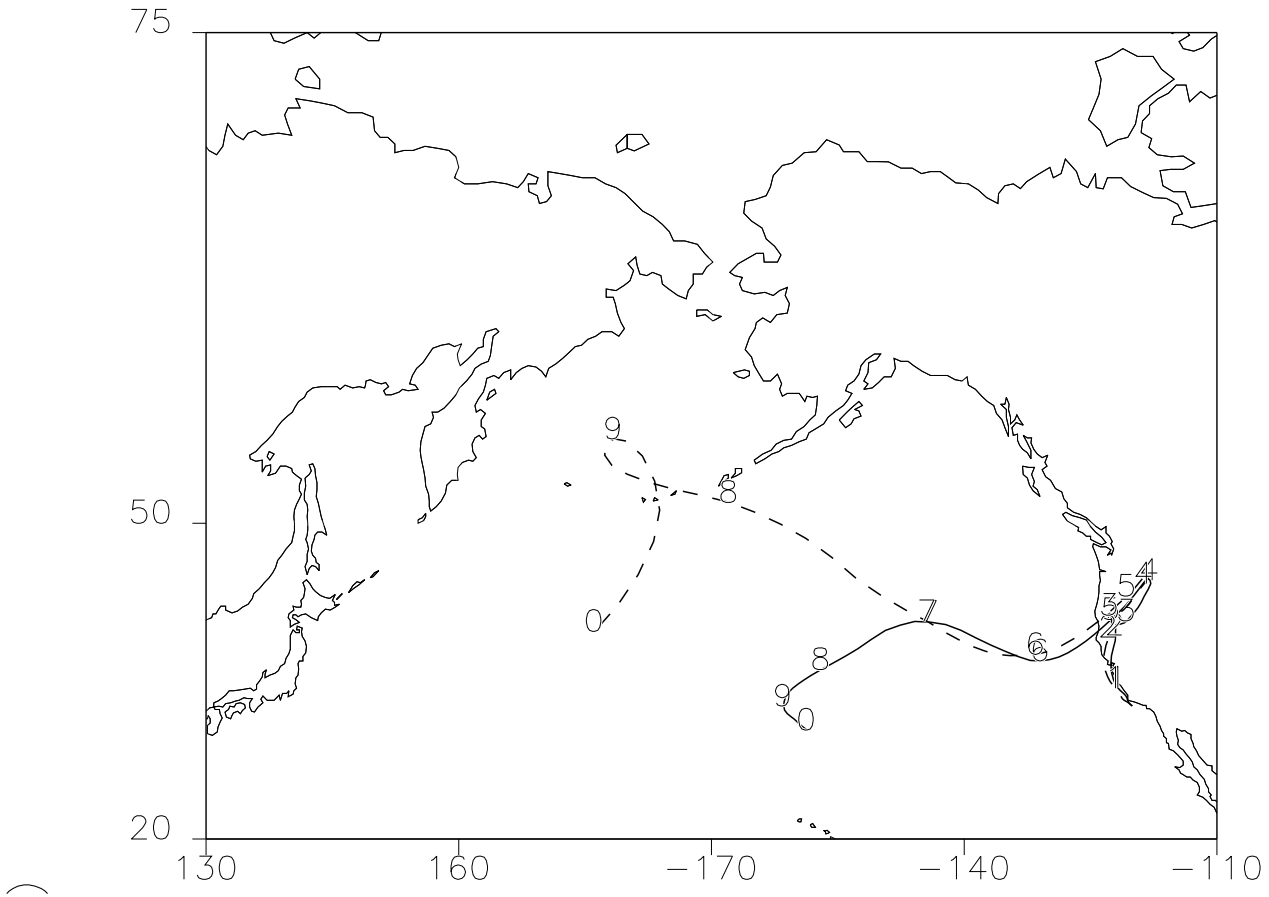
Day	km	hPa	C
0	0.3	980	16
1	0.5	960	13
2	1.0	907	8
3	1.9	814	−1
4	1.6	832	−2
5	0.3	978	9
6	0.1	996	10
7	0.1	1000	12
8	0.4	984	15
9	0.5	965	15
10	0.8	936	12

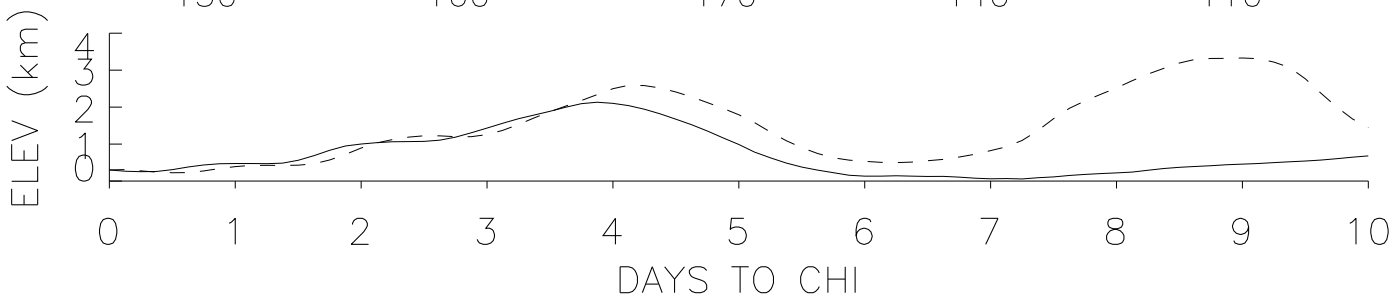
18UT

Day	km	hPa	C
0	0.3	982	21
1	0.6	953	19
2	1.0	904	12
3	1.8	819	3
4	2.0	790	−3
5	0.8	922	6
6	0.2	987	12
7	0.2	994	13
8	0.3	988	11
9	0.4	990	12
10	0.5	970	12

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/26/2004 (Day of Year 117)
NCEP/NCAR Reanalysis 1 Data Set





00UT

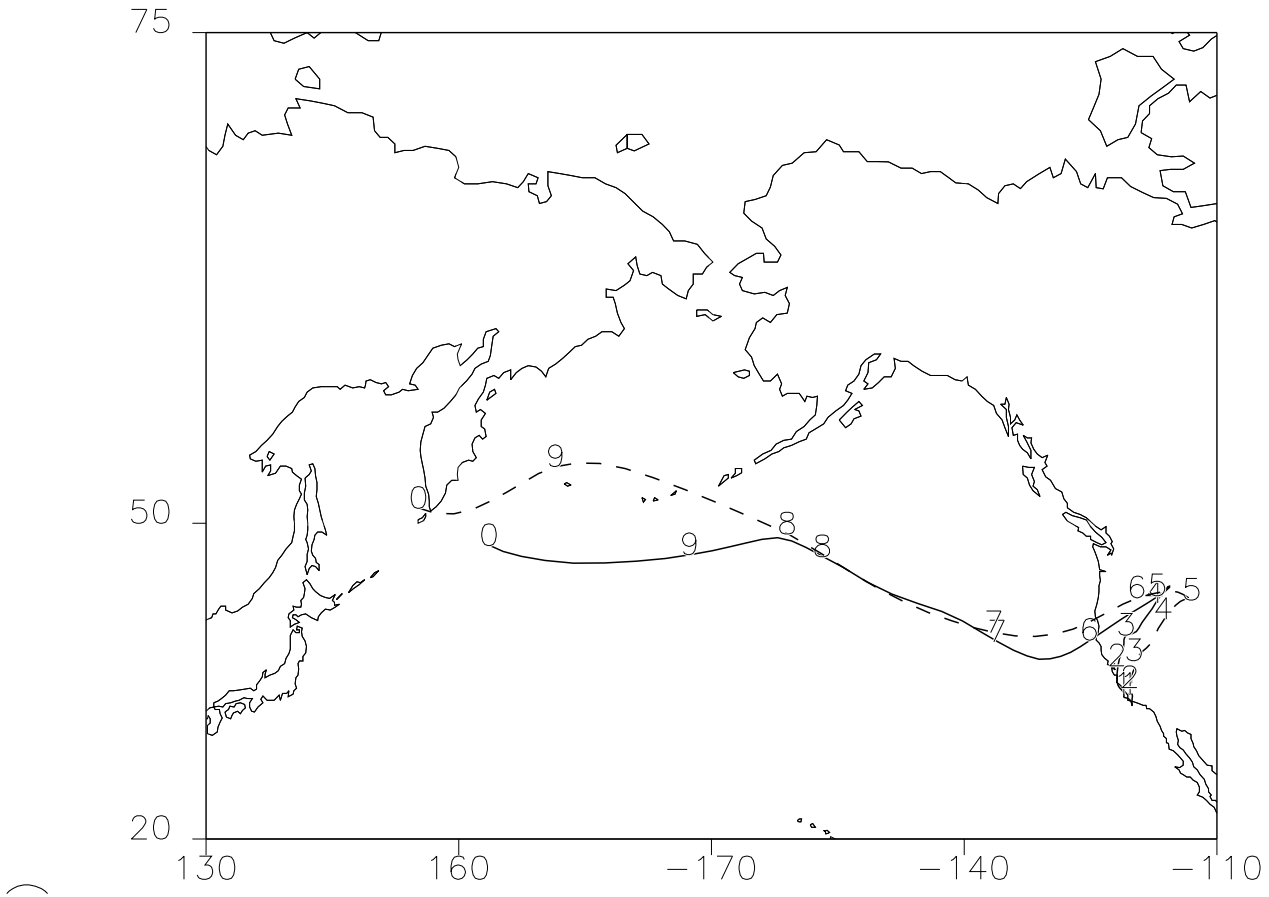
Day	km	hPa	C
0	0.3	980	23
1	0.5	960	21
2	1.0	905	15
3	1.4	861	10
4	2.1	784	−2
5	1.0	902	5
6	0.1	1000	12
7	0.1	1000	11
8	0.2	1000	14
9	0.5	976	15
10	0.7	950	14

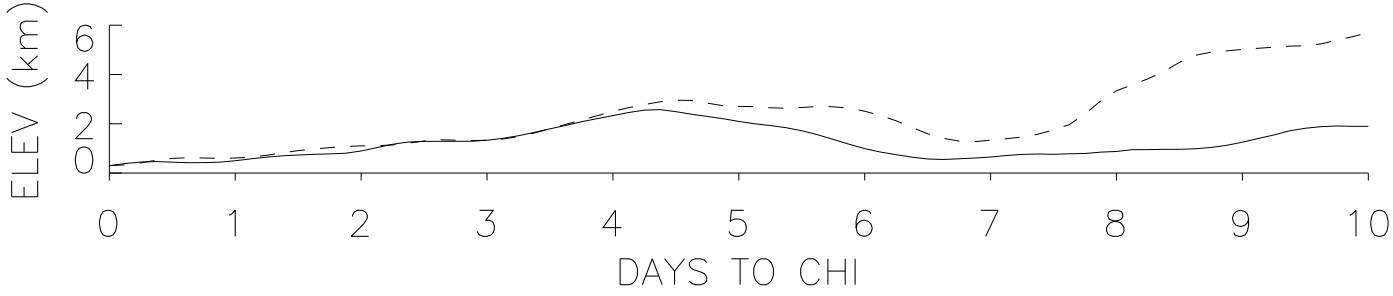
06UT

Day	km	hPa	C
0	0.3	982	19
1	0.4	970	17
2	0.9	917	11
3	1.3	879	9
4	2.5	749	−6
5	1.8	814	−2
6	0.5	955	8
7	0.8	917	4
8	2.5	727	−11
9	3.3	644	−17
10	1.4	844	3

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/26/2004 (Day of Year 117)
NCEP/NCAR Reanalysis 1 Data Set





12UT

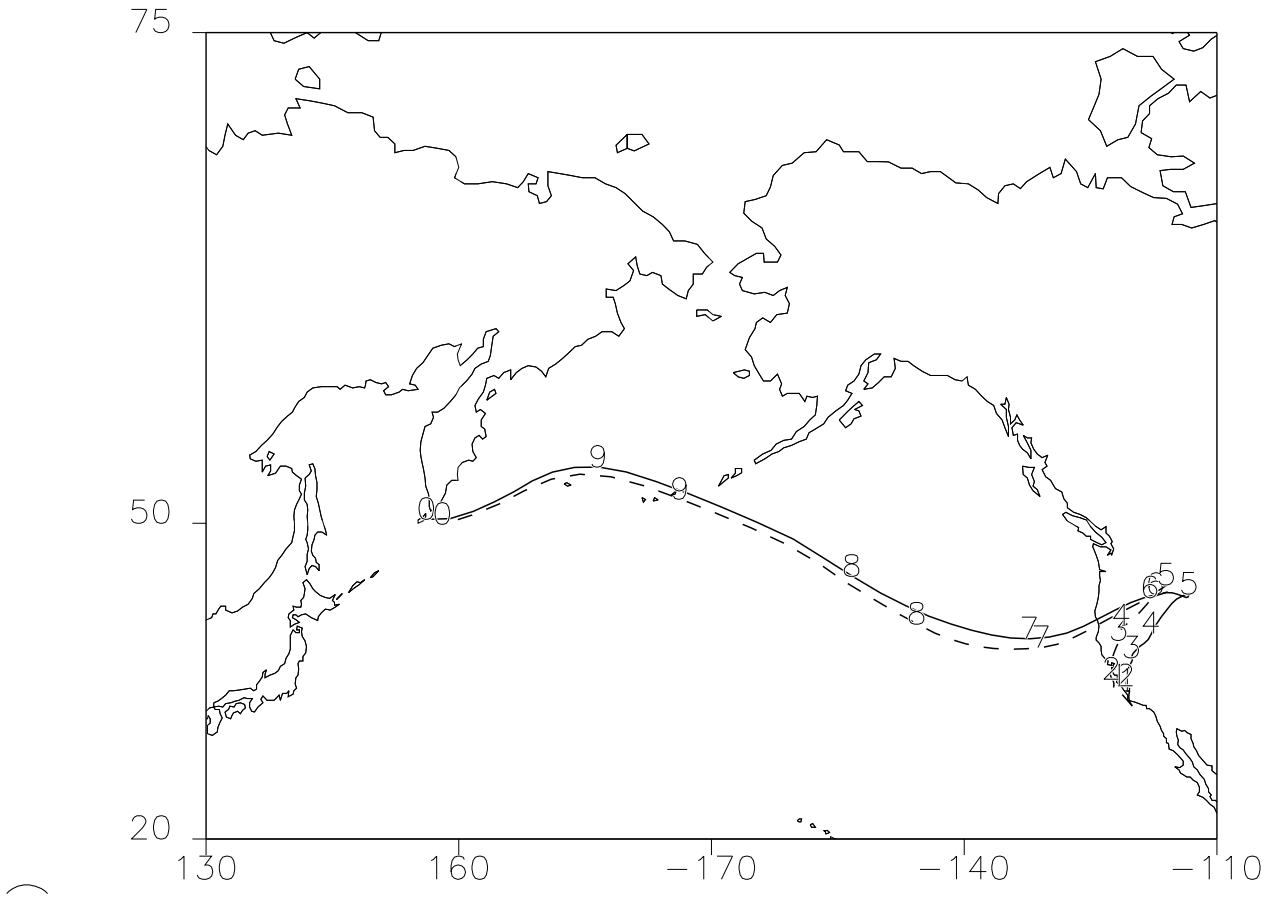
Day	km	hPa	C
0	0.3	982	18
1	0.5	958	16
2	0.9	915	12
3	1.3	871	7
4	2.3	765	−4
5	2.1	784	−4
6	1.0	902	4
7	0.7	933	8
8	0.9	896	0
9	1.3	862	1
10	1.9	782	−10

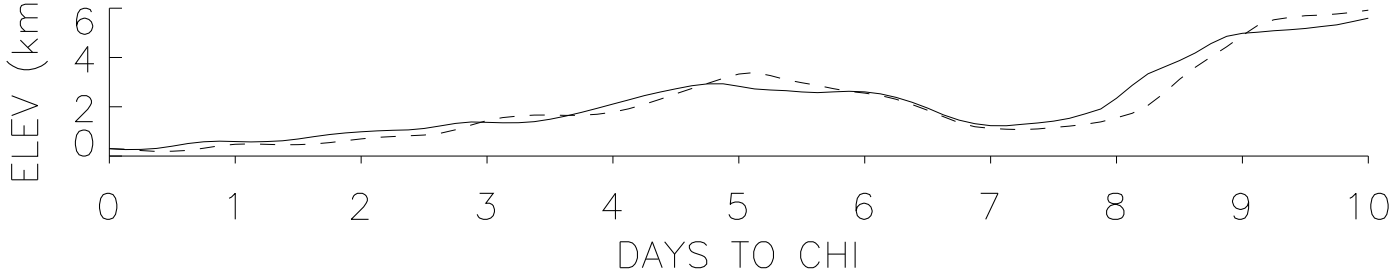
18UT

Day	km	hPa	C
0	0.3	983	25
1	0.6	947	22
2	1.1	892	19
3	1.3	870	13
4	2.5	751	−2
5	2.7	726	−6
6	2.5	745	−7
7	1.3	860	4
8	3.3	659	−15
9	5.0	516	−31
10	5.7	464	−38

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/27/2004 (Day of Year 118)
NCEP/NCAR Reanalysis 1 Data Set





00UT

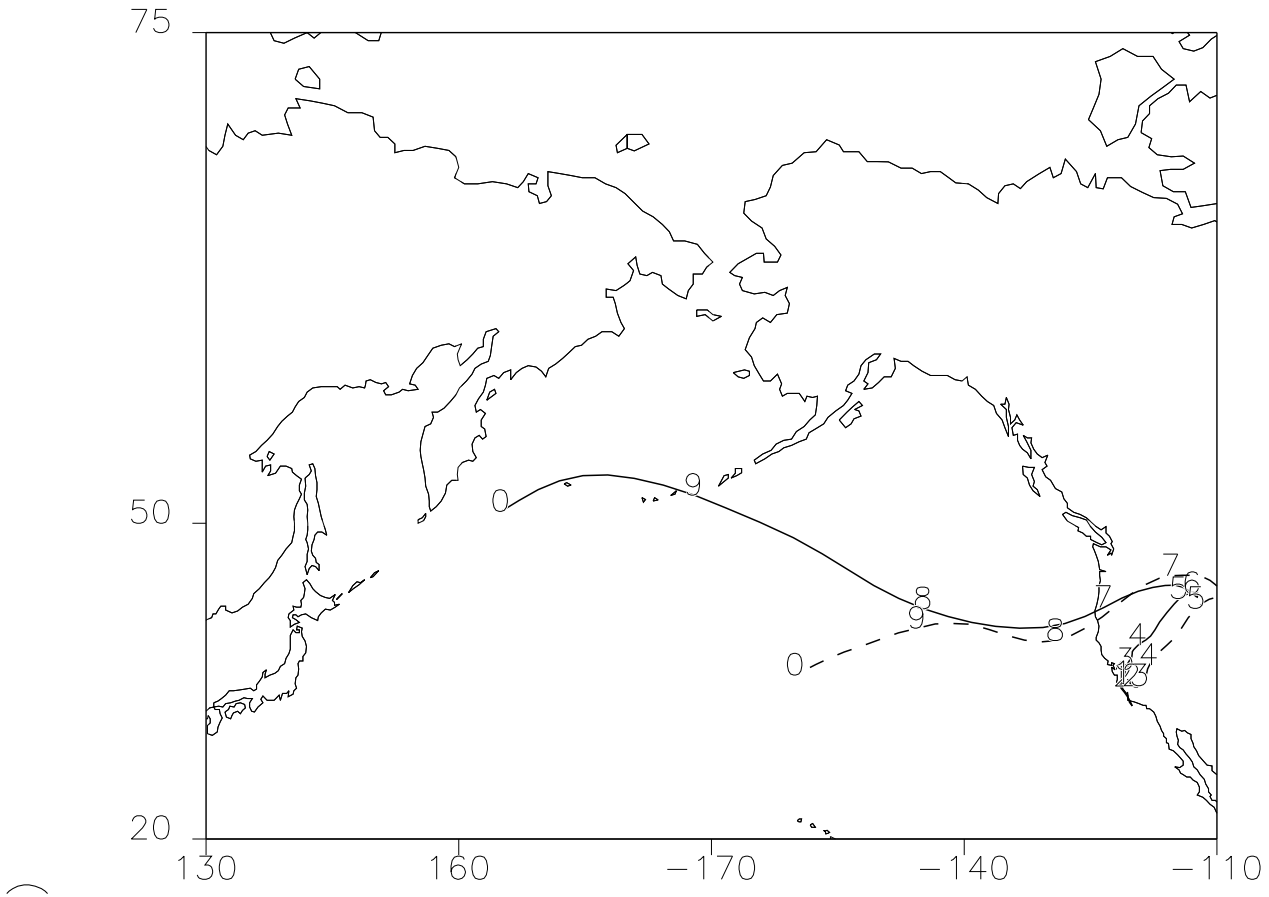
Day	km	hPa	C
0	0.3	981	28
1	0.6	949	24
2	1.0	903	21
3	1.4	864	17
4	2.1	792	5
5	2.8	714	−5
6	2.6	736	−5
7	1.2	871	4
8	2.3	754	−5
9	5.0	521	−28
10	5.6	474	−37

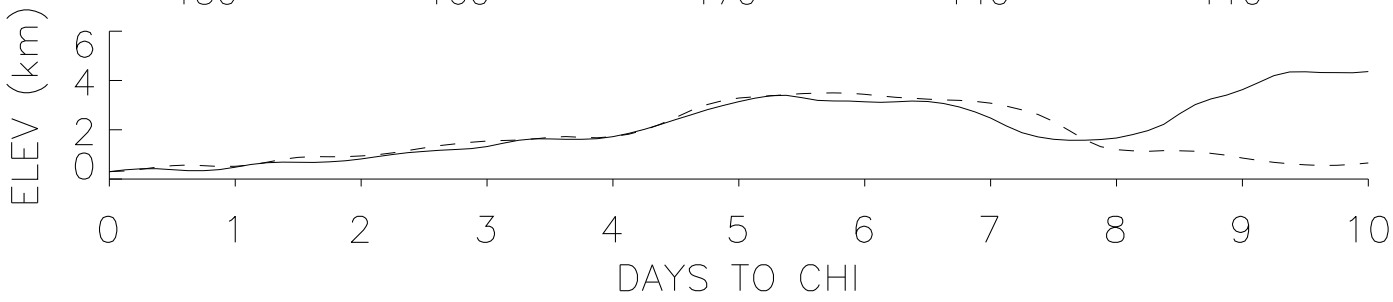
06UT

Day	km	hPa	C
0	0.3	982	23
1	0.5	962	20
2	0.7	936	18
3	1.4	858	11
4	1.8	825	7
5	3.3	673	−11
6	2.6	740	−6
7	1.1	887	4
8	1.6	840	4
9	4.9	531	−27
10	5.9	453	−37

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/27/2004 (Day of Year 118)
NCEP/NCAR Reanalysis 1 Data Set





12UT

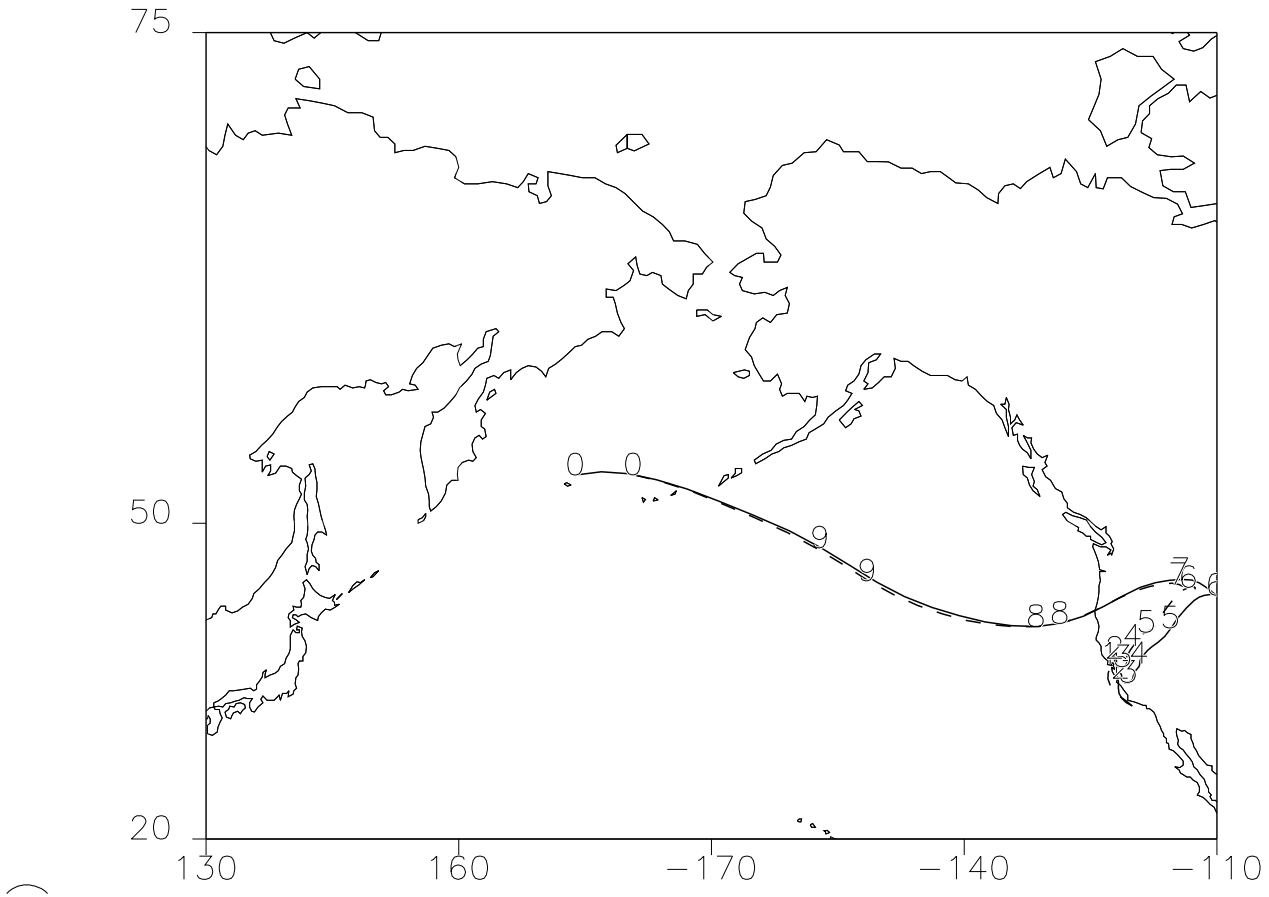
Day	km	hPa	C
0	0.3	981	20
1	0.5	963	17
2	0.8	923	16
3	1.3	869	12
4	1.7	831	6
5	3.1	690	−8
6	3.1	686	−9
7	2.5	745	−6
8	1.7	823	1
9	3.6	632	−17
10	4.4	566	−26

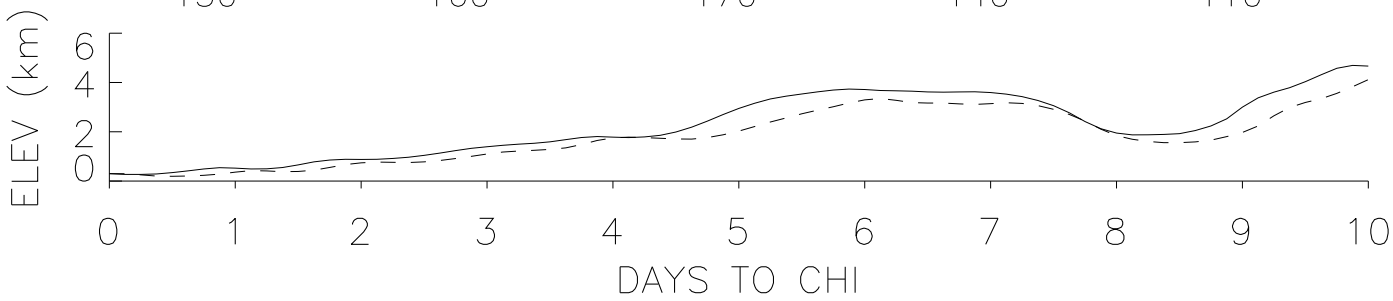
18UT

Day	km	hPa	C
0	0.3	981	26
1	0.5	960	25
2	0.9	912	22
3	1.5	847	16
4	1.7	830	10
5	3.3	679	−8
6	3.4	661	−10
7	3.1	691	−10
8	1.2	876	7
9	0.9	910	10
10	0.7	952	14

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/28/2004 (Day of Year 119)
NCEP/NCAR Reanalysis 1 Data Set





00UT

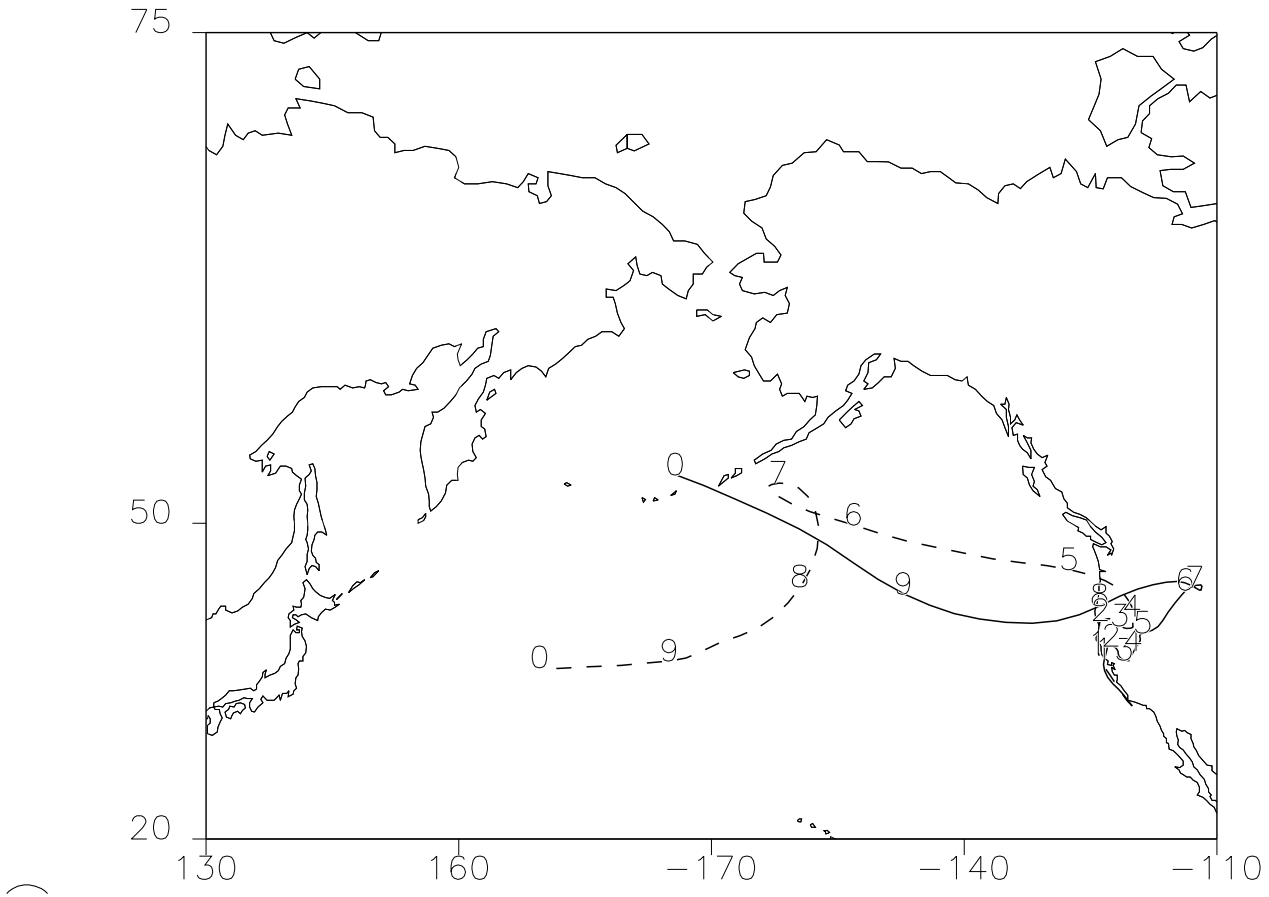
Day	km	hPa	C
0	0.3	978	27
1	0.5	959	27
2	0.9	918	23
3	1.4	861	19
4	1.8	823	14
5	2.9	713	−3
6	3.7	638	−11
7	3.6	647	−12
8	1.9	795	−1
9	3.0	692	−11
10	4.7	546	−26

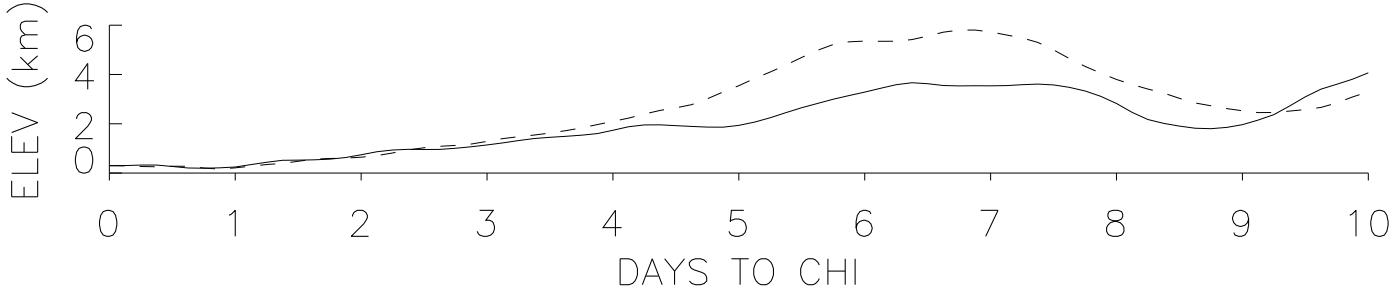
06UT

Day	km	hPa	C
0	0.3	977	21
1	0.4	978	21
2	0.7	934	20
3	1.1	893	16
4	1.8	826	10
5	2.0	800	4
6	3.3	675	−9
7	3.1	687	−9
8	1.8	807	−1
9	2.0	792	−2
10	4.1	590	−20

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/28/2004 (Day of Year 119)
NCEP/NCAR Reanalysis 1 Data Set





12UT

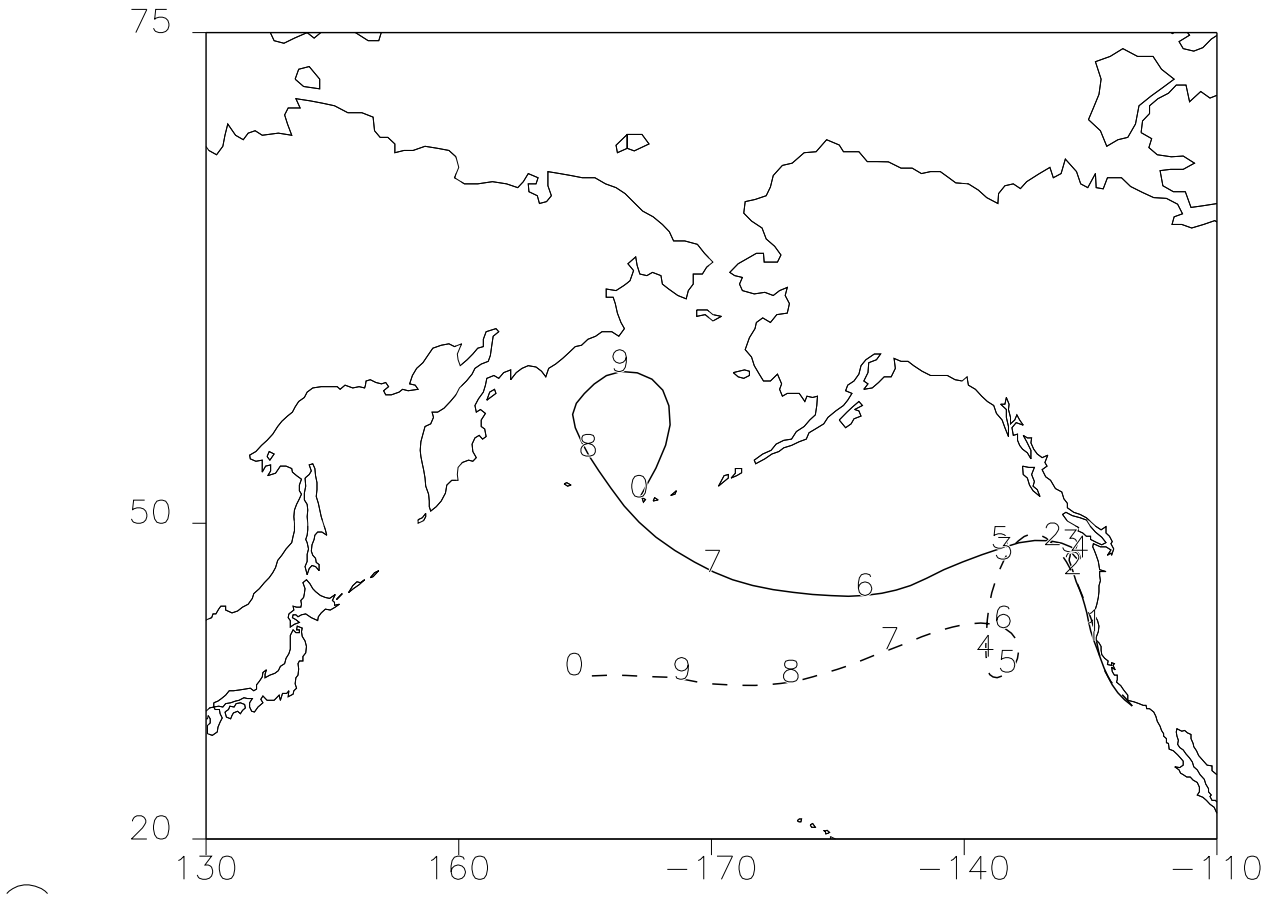
Day	km	hPa	C
0	0.3	974	20
1	0.2	990	17
2	0.7	935	15
3	1.1	890	13
4	1.7	828	8
5	1.9	810	4
6	3.3	677	−9
7	3.5	651	−12
8	2.8	712	−9
9	2.0	791	−1
10	4.1	595	−21

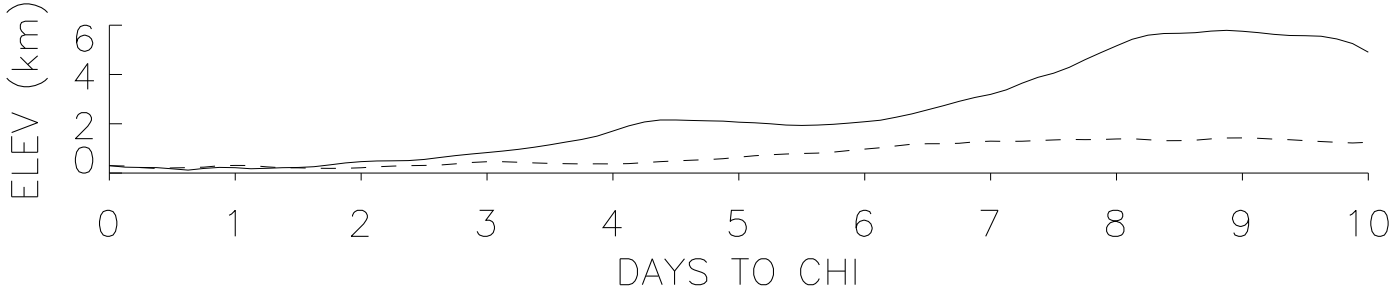
18UT

Day	km	hPa	C
0	0.3	974	22
1	0.2	995	20
2	0.6	947	19
3	1.3	876	16
4	2.1	794	6
5	3.5	657	−12
6	5.4	499	−30
7	5.7	468	−34
8	3.8	622	−13
9	2.5	742	−2
10	3.3	676	−7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/29/2004 (Day of Year 120)
NCEP/NCAR Reanalysis 1 Data Set





00UT

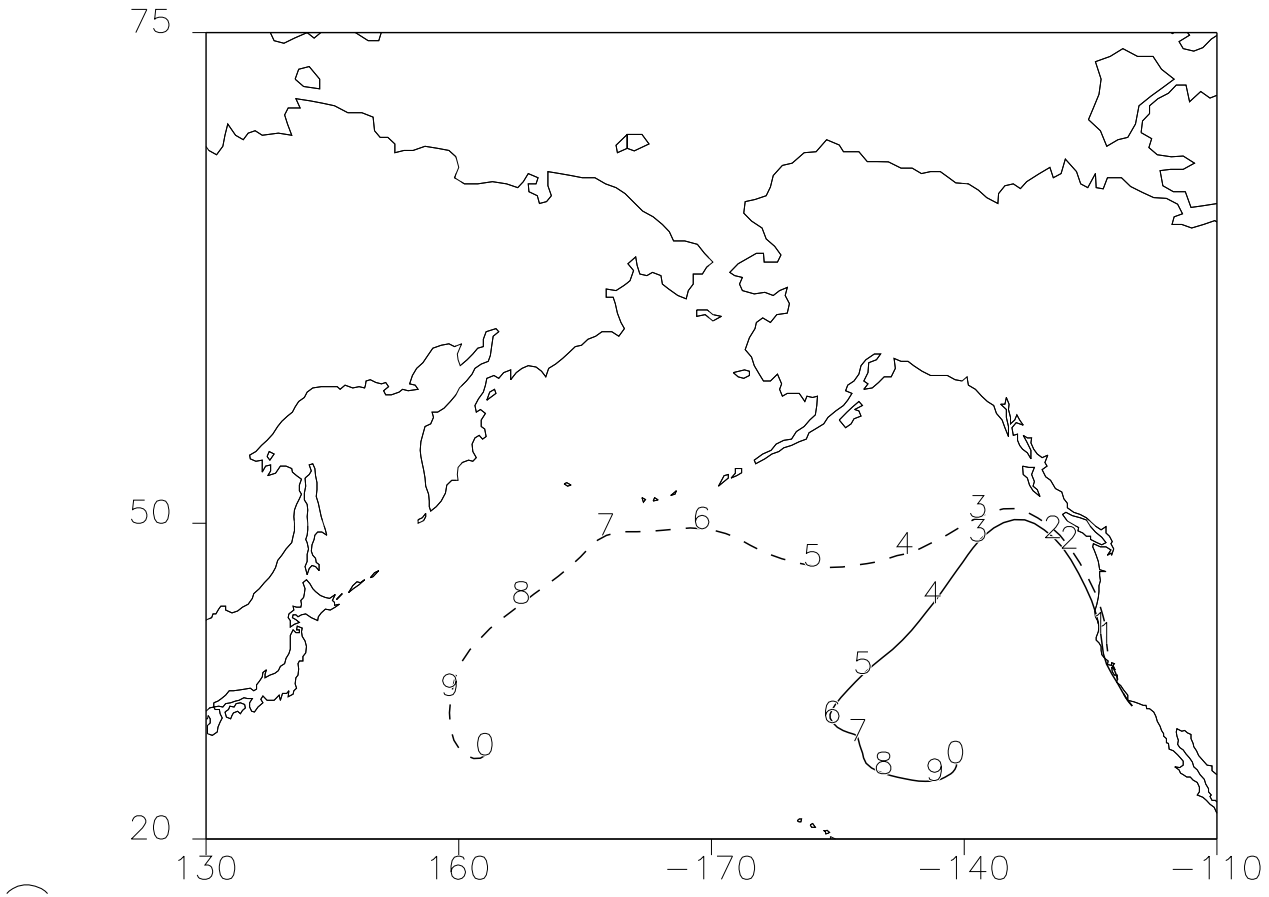
Day	km	hPa	C
0	0.3	971	21
1	0.2	992	18
2	0.5	969	16
3	0.8	927	11
4	1.7	834	2
5	2.1	793	−4
6	2.1	790	−3
7	3.2	674	−12
8	5.2	508	−32
9	5.8	462	−37
10	4.9	527	−29

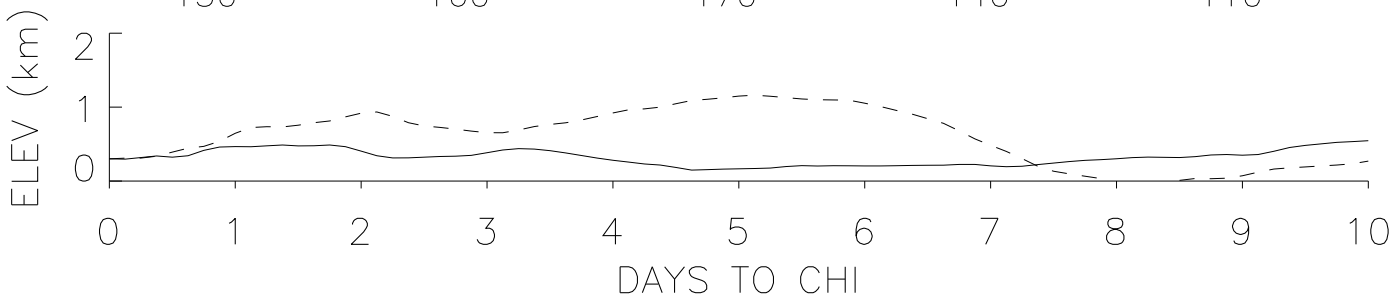
06UT

Day	km	hPa	C
0	0.3	972	15
1	0.3	982	11
2	0.2	997	9
3	0.5	967	7
4	0.4	980	11
5	0.6	954	10
6	1.0	914	6
7	1.3	873	5
8	1.4	860	5
9	1.4	853	4
10	1.2	876	4

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/29/2004 (Day of Year 120)
NCEP/NCAR Reanalysis 1 Data Set





12UT

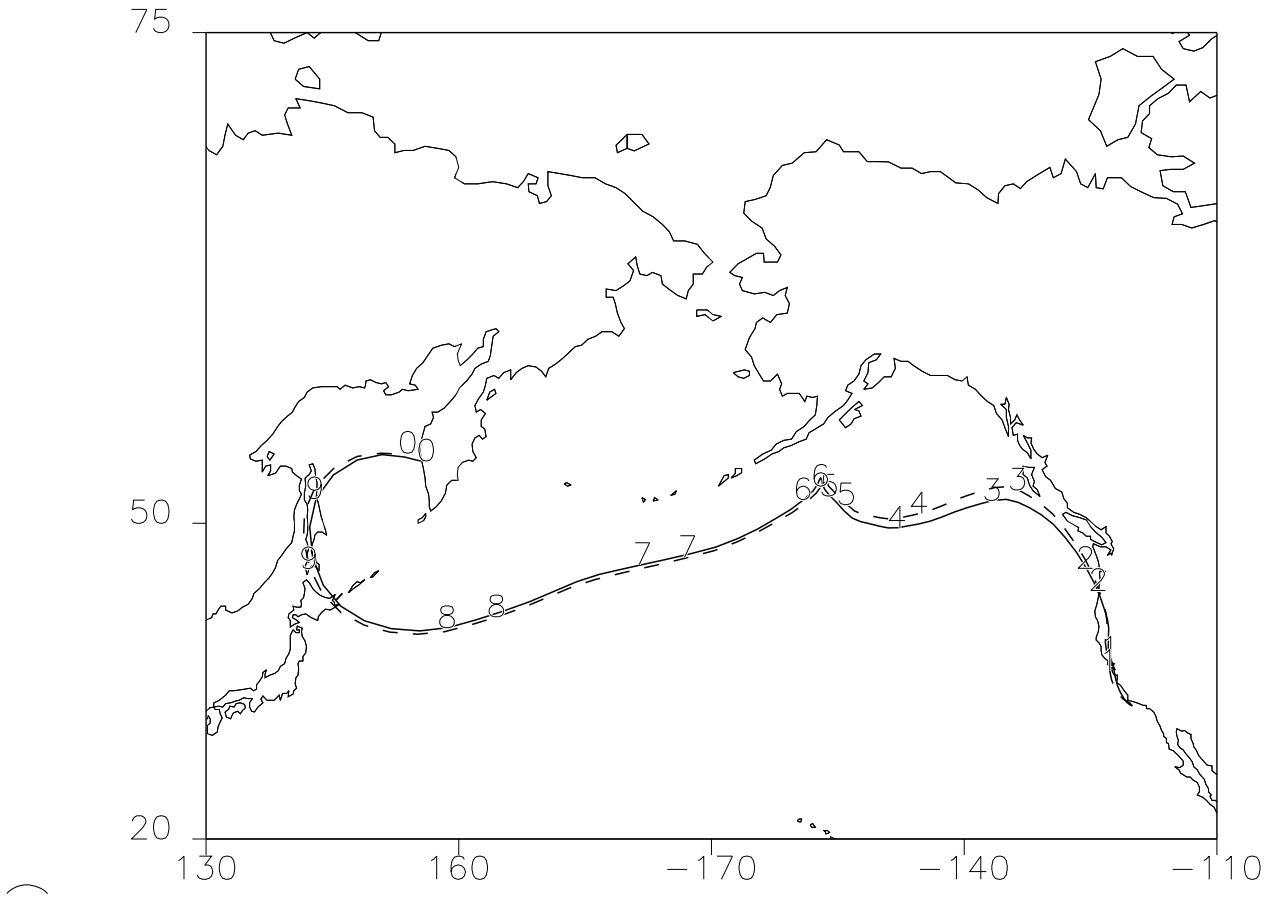
Day	km	hPa	C
0	0.3	973	15
1	0.5	961	11
2	0.4	975	7
3	0.4	976	5
4	0.3	979	9
5	0.2	1000	15
6	0.2	1000	18
7	0.2	999	19
8	0.3	988	17
9	0.3	983	16
10	0.5	960	13

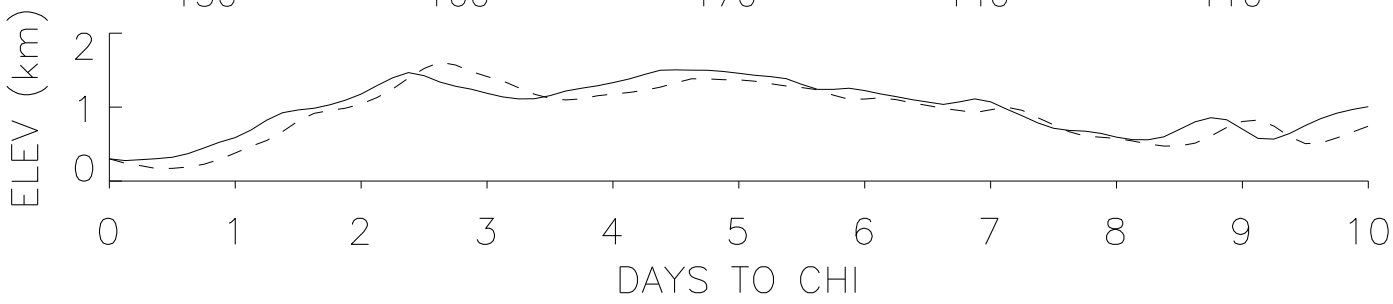
18UT

Day	km	hPa	C
0	0.3	977	15
1	0.6	940	12
2	0.9	915	1
3	0.7	944	3
4	0.9	901	−1
5	1.1	869	−2
6	1.1	867	0
7	0.5	933	2
8	0.0	993	8
9	0.1	1000	17
10	0.3	994	14

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/30/2004 (Day of Year 121)
NCEP/NCAR Reanalysis 1 Data Set





00UT

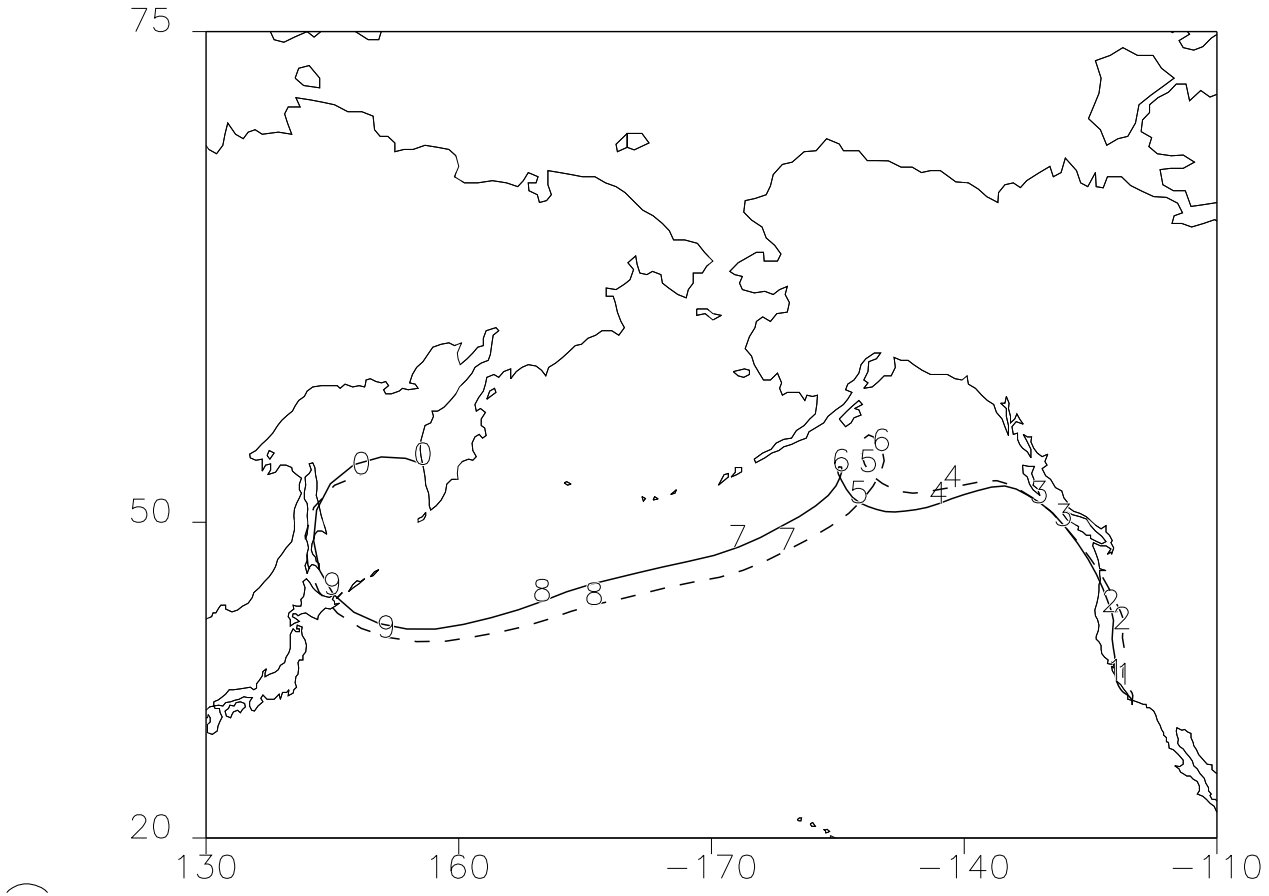
Day	km	hPa	C
0	0.3	977	16
1	0.6	942	18
2	1.2	885	3
3	1.2	884	0
4	1.3	857	−4
5	1.5	831	−3
6	1.2	854	−1
7	1.1	872	2
8	0.6	928	2
9	0.7	912	−6
10	1.0	893	−7

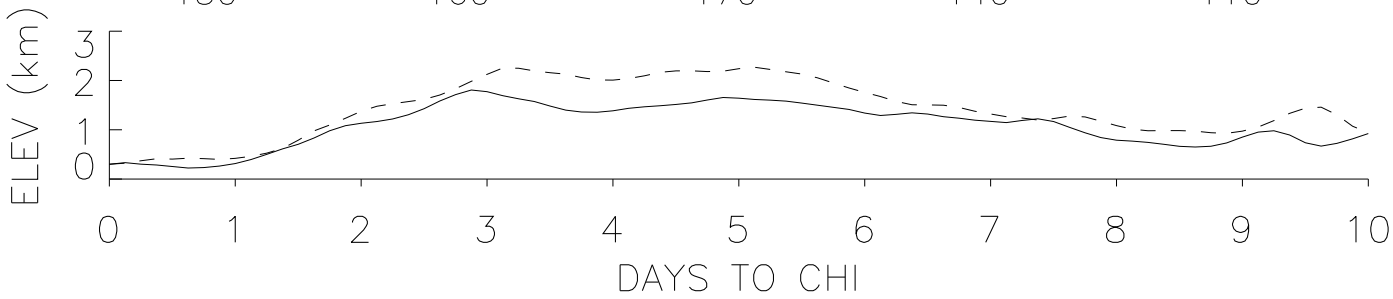
06UT

Day	km	hPa	C
0	0.3	980	13
1	0.4	966	14
2	1.0	898	4
3	1.4	858	−4
4	1.2	876	−3
5	1.4	843	−2
6	1.1	865	−1
7	1.0	881	3
8	0.6	929	2
9	0.8	901	−7
10	0.7	923	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
4/30/2004 (Day of Year 121)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	0.3	981	12
1	0.3	974	14
2	1.1	887	5
3	1.8	821	−5
4	1.4	856	−3
5	1.6	815	−6
6	1.3	841	−2
7	1.2	863	0
8	0.8	906	2
9	0.9	897	−5
10	0.9	901	−7

18UT

Day	km	hPa	C
0	0.3	984	17
1	0.4	963	15
2	1.4	860	7
3	2.1	785	−6
4	2.0	793	−6
5	2.2	756	−10
6	1.8	798	−4
7	1.3	851	0
8	1.1	878	2
9	1.0	888	−2
10	0.9	887	−5

12UT − solid
18UT − dashed