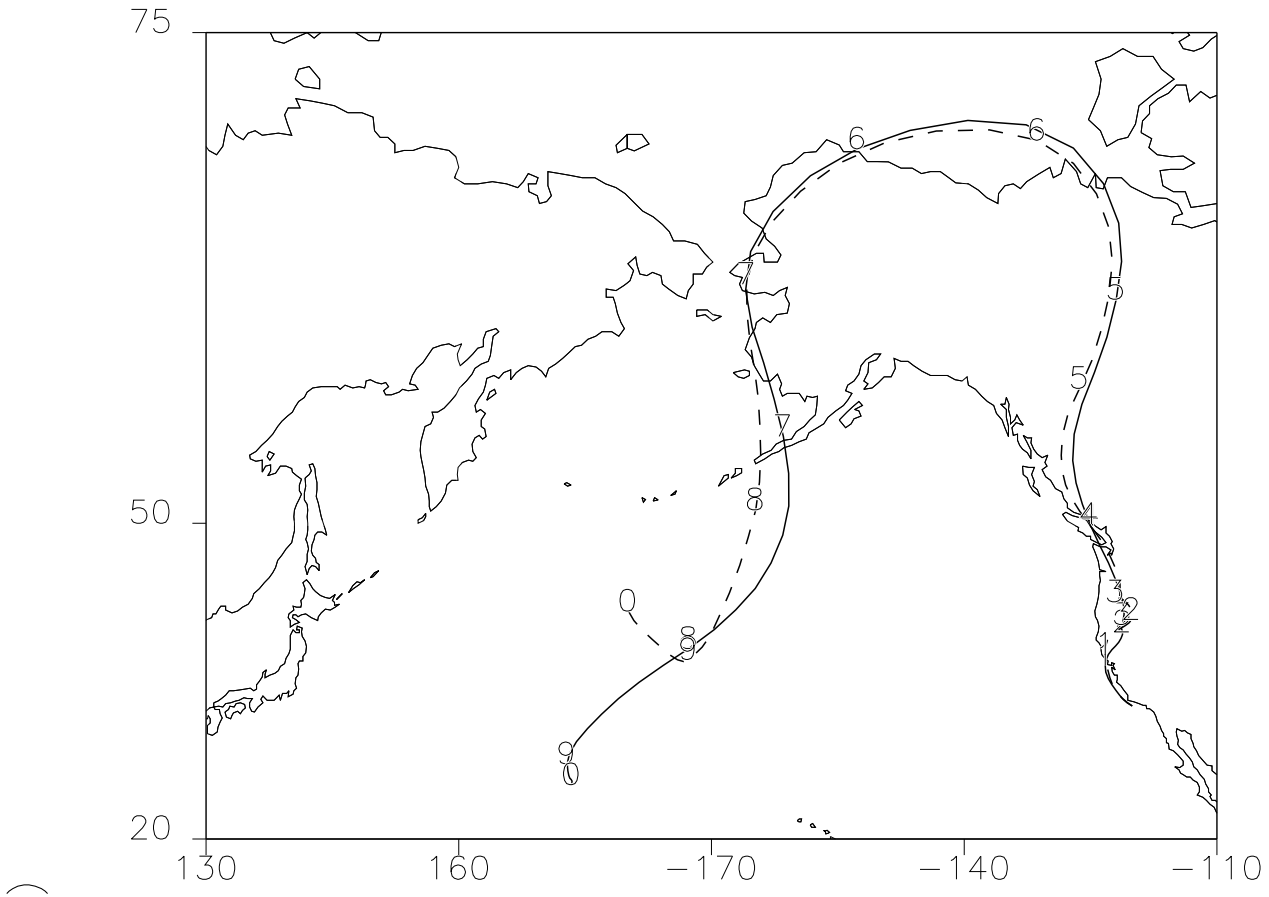
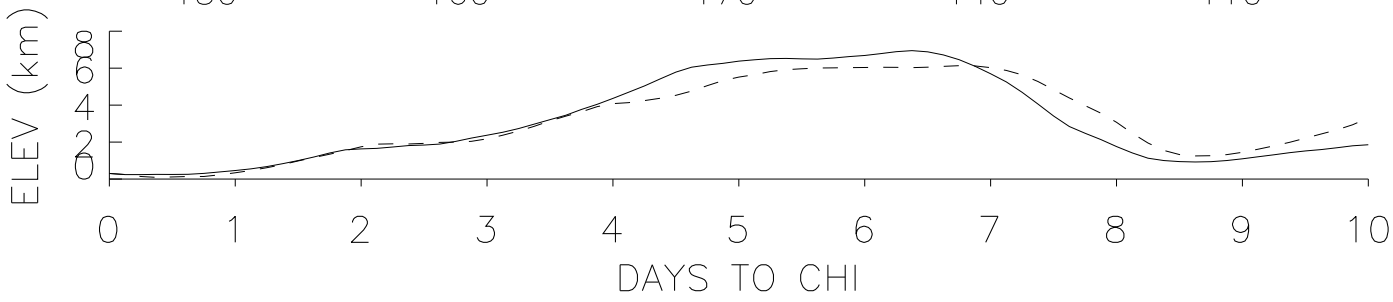
3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/1/2002 (Day of Year 60)
NCEP/NCAR Reanalysis 1 Data Set





00UT

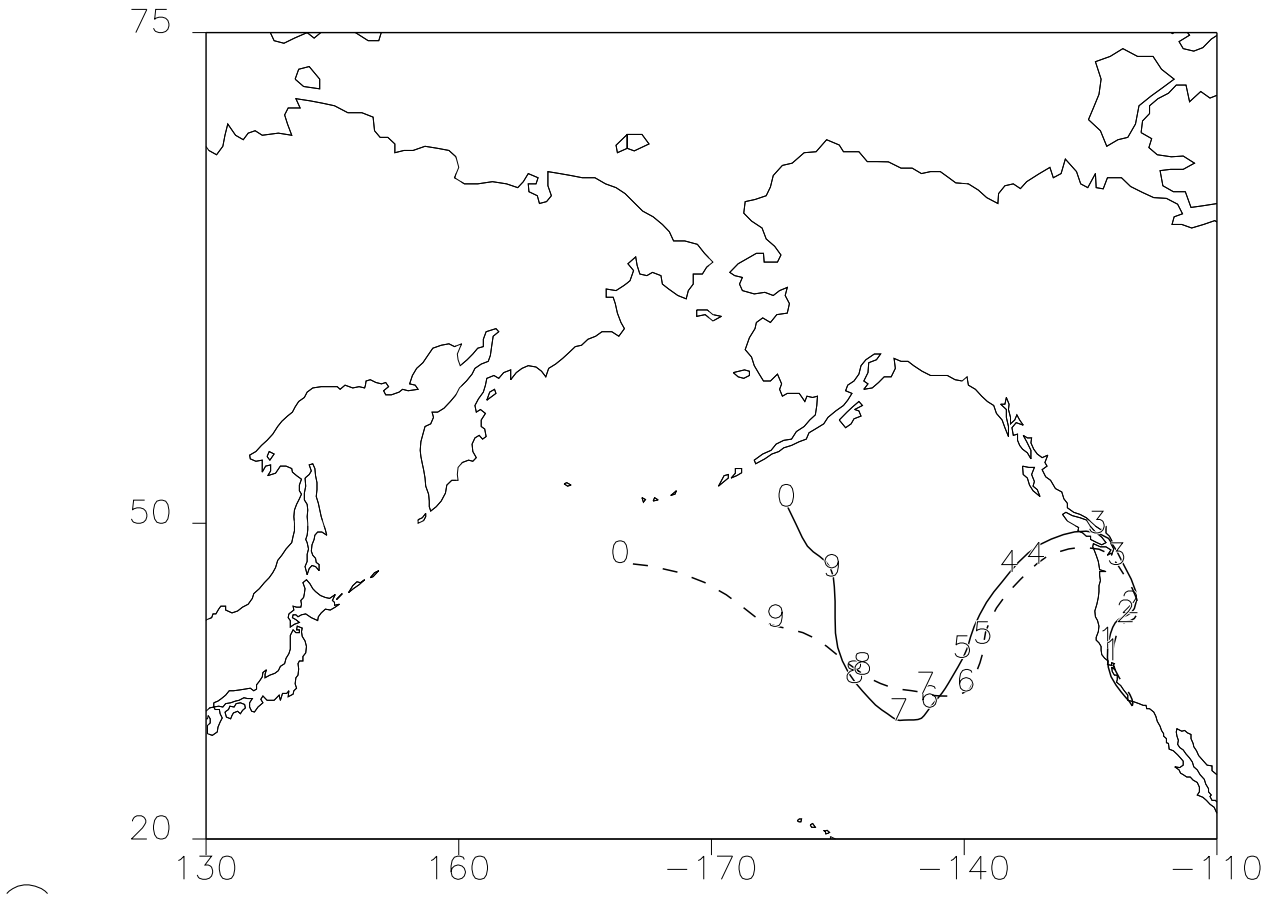
Day	km	hPa	C
0	0.3	972	17
1	0.5	960	18
2	1.6	841	9
3	2.4	772	4
4	4.4	591	−16
5	6.4	435	−40
6	6.7	410	−42
7	5.7	469	−31
8	1.8	809	2
9	1.1	897	12
10	1.9	820	7

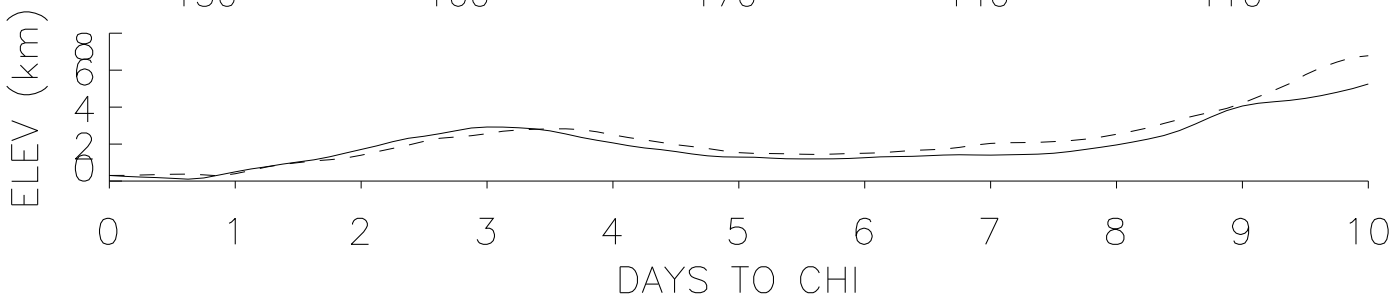
06UT

Day	km	hPa	C
0	0.3	974	14
1	0.3	976	14
2	1.7	830	3
3	2.2	790	3
4	4.1	617	−12
5	5.5	495	−33
6	6.0	453	−38
7	6.0	447	−36
8	3.1	675	−11
9	1.4	854	5
10	3.3	668	−14

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/1/2002 (Day of Year 60)
NCEP/NCAR Reanalysis 1 Data Set





12UT

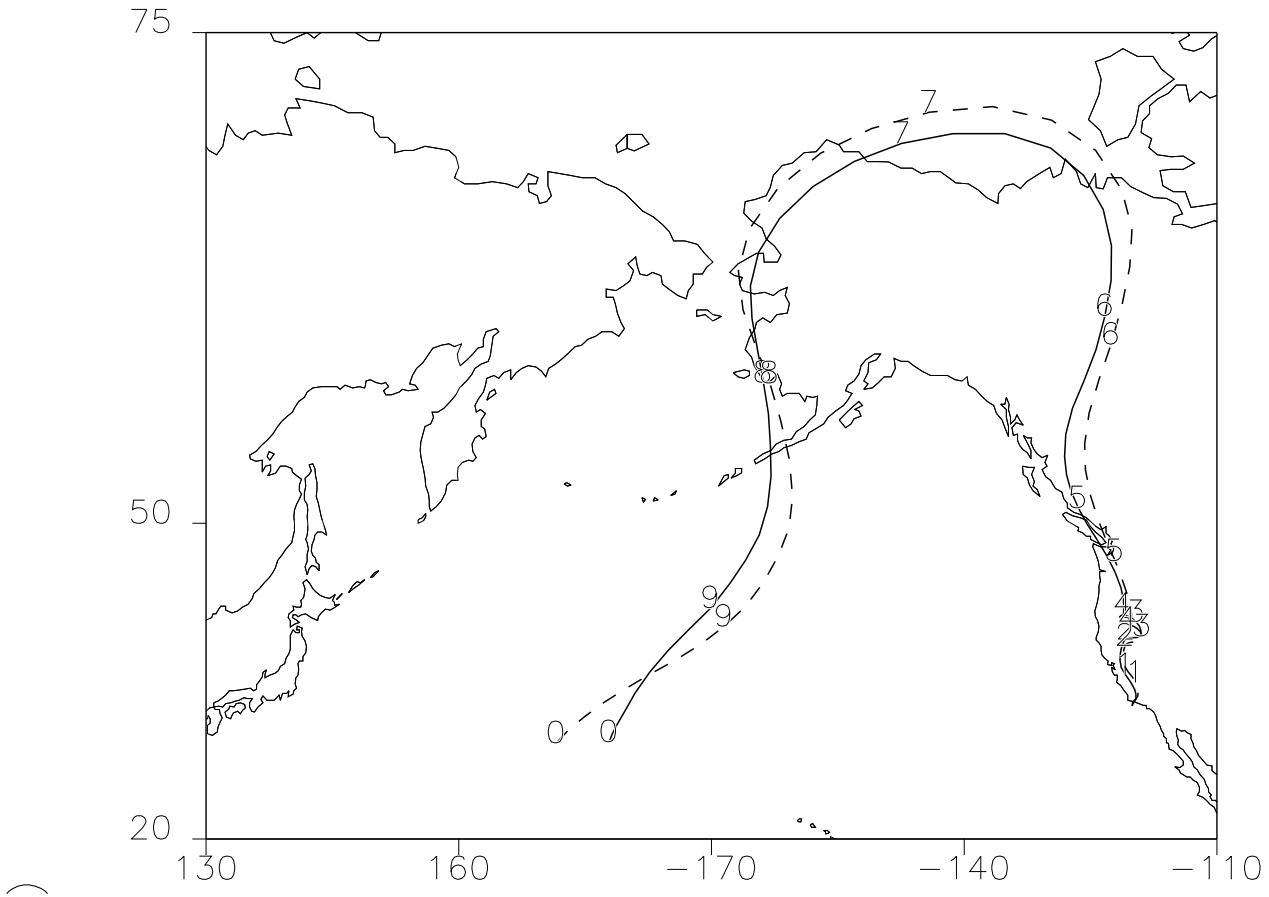
Day	km	hPa	C
0	0.3	975	12
1	0.5	958	11
2	1.7	833	−1
3	2.9	715	−10
4	2.1	800	−1
5	1.3	875	7
6	1.3	880	8
7	1.4	864	11
8	2.0	803	4
9	4.1	604	−18
10	5.3	504	−32

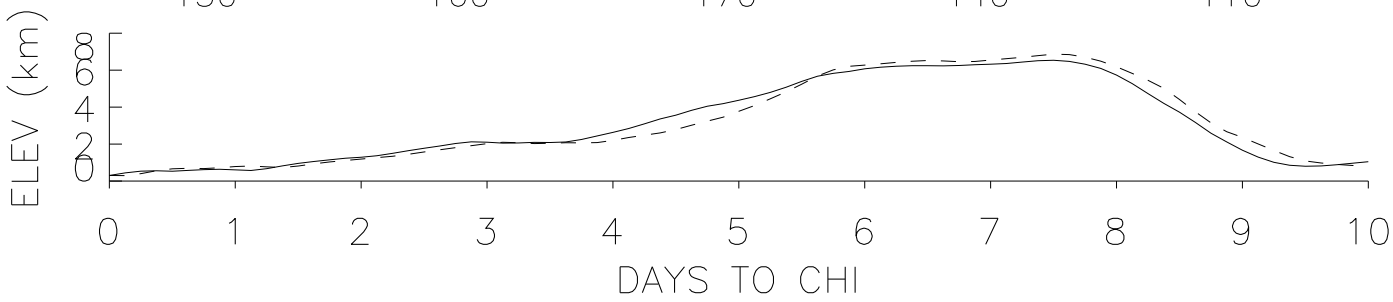
18UT

Day	km	hPa	C
0	0.3	979	12
1	0.4	969	12
2	1.4	865	4
3	2.6	748	−6
4	2.5	759	−3
5	1.5	851	5
6	1.5	856	8
7	2.0	801	6
8	2.5	749	1
9	4.2	600	−14
10	6.8	412	−36

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/2/2002 (Day of Year 61)
NCEP/NCAR Reanalysis 1 Data Set





00UT

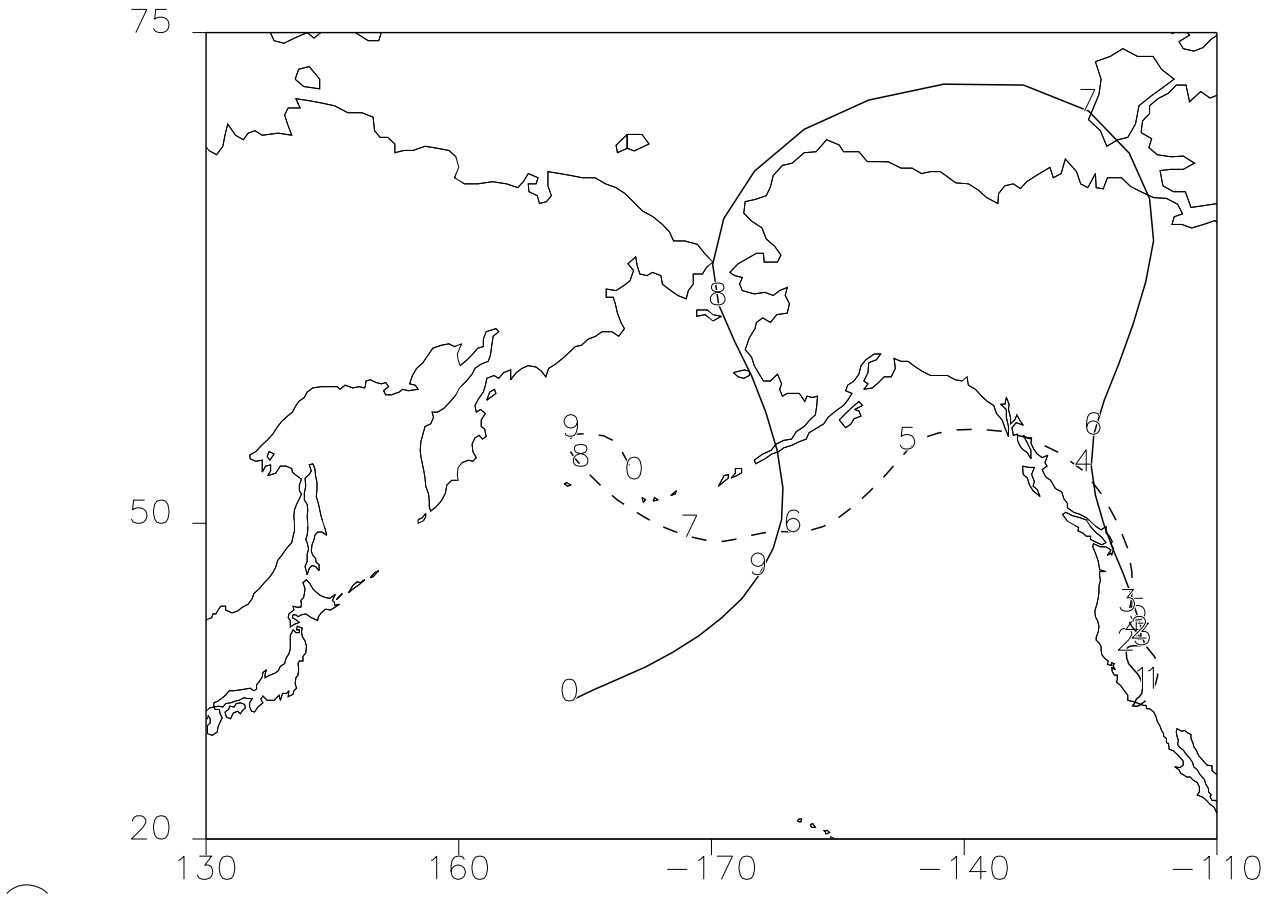
Day	km	hPa	C
0	0.3	978	14
1	0.6	939	17
2	1.3	873	13
3	2.1	794	4
4	2.6	748	2
5	4.4	590	−16
6	6.1	456	−37
7	6.3	434	−39
8	5.7	467	−31
9	1.7	813	0
10	1.0	903	9

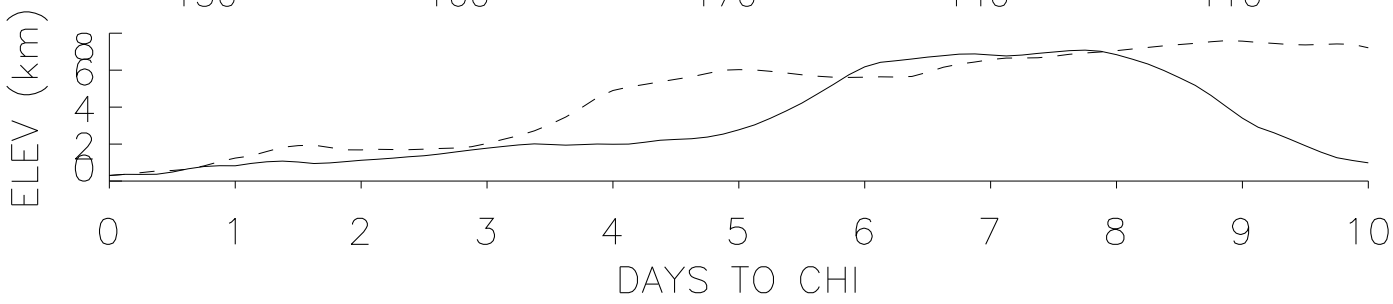
06UT

Day	km	hPa	C
0	0.3	982	12
1	0.8	919	11
2	1.2	882	12
3	2.0	802	4
4	2.2	787	3
5	3.8	641	−11
6	6.3	442	−39
7	6.5	418	−42
8	6.2	437	−36
9	2.4	748	−2
10	0.8	923	14

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/2/2002 (Day of Year 61)
NCEP/NCAR Reanalysis 1 Data Set





12UT

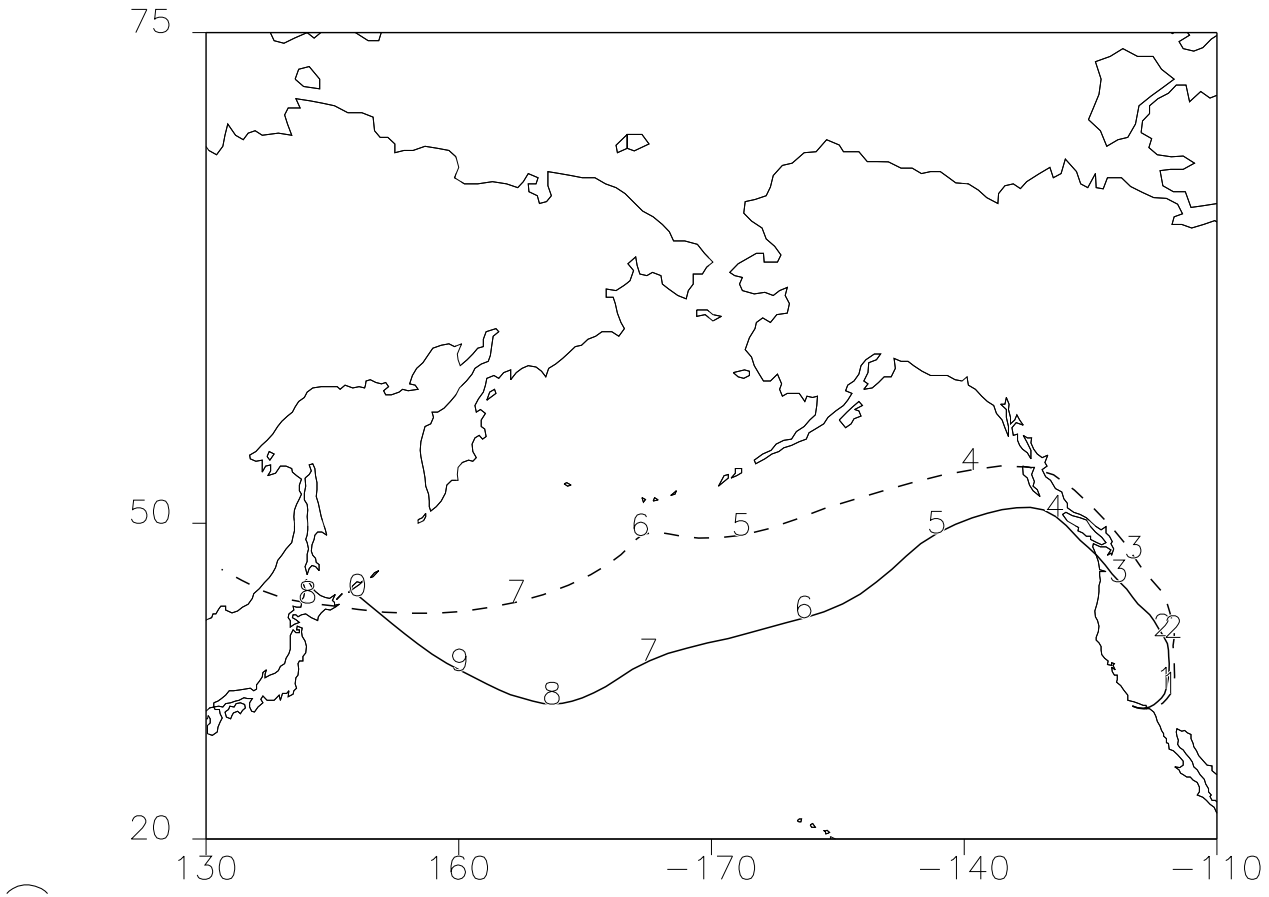
Day	km	hPa	C
0	0.3	982	10
1	0.8	916	7
2	1.1	888	9
3	1.8	825	2
4	2.0	808	2
5	2.8	731	−5
6	6.2	449	−38
7	6.8	402	−45
8	6.8	396	−44
9	3.4	648	−11
10	1.0	896	11

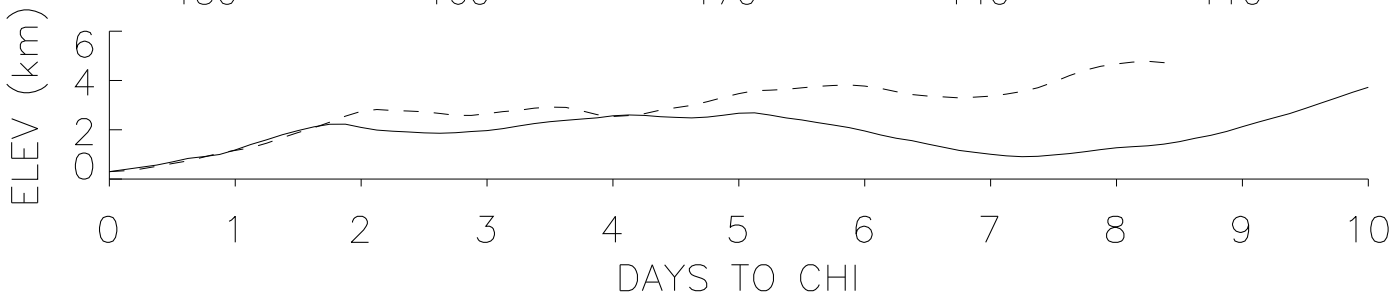
18UT

Day	km	hPa	C
0	0.3	986	12
1	1.2	875	3
2	1.7	828	1
3	2.0	800	1
4	4.9	547	−23
5	6.0	456	−37
6	5.6	477	−33
7	6.6	411	−43
8	7.1	376	−48
9	7.6	348	−52
10	7.2	373	−46

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/3/2002 (Day of Year 62)
NCEP/NCAR Reanalysis 1 Data Set





00UT

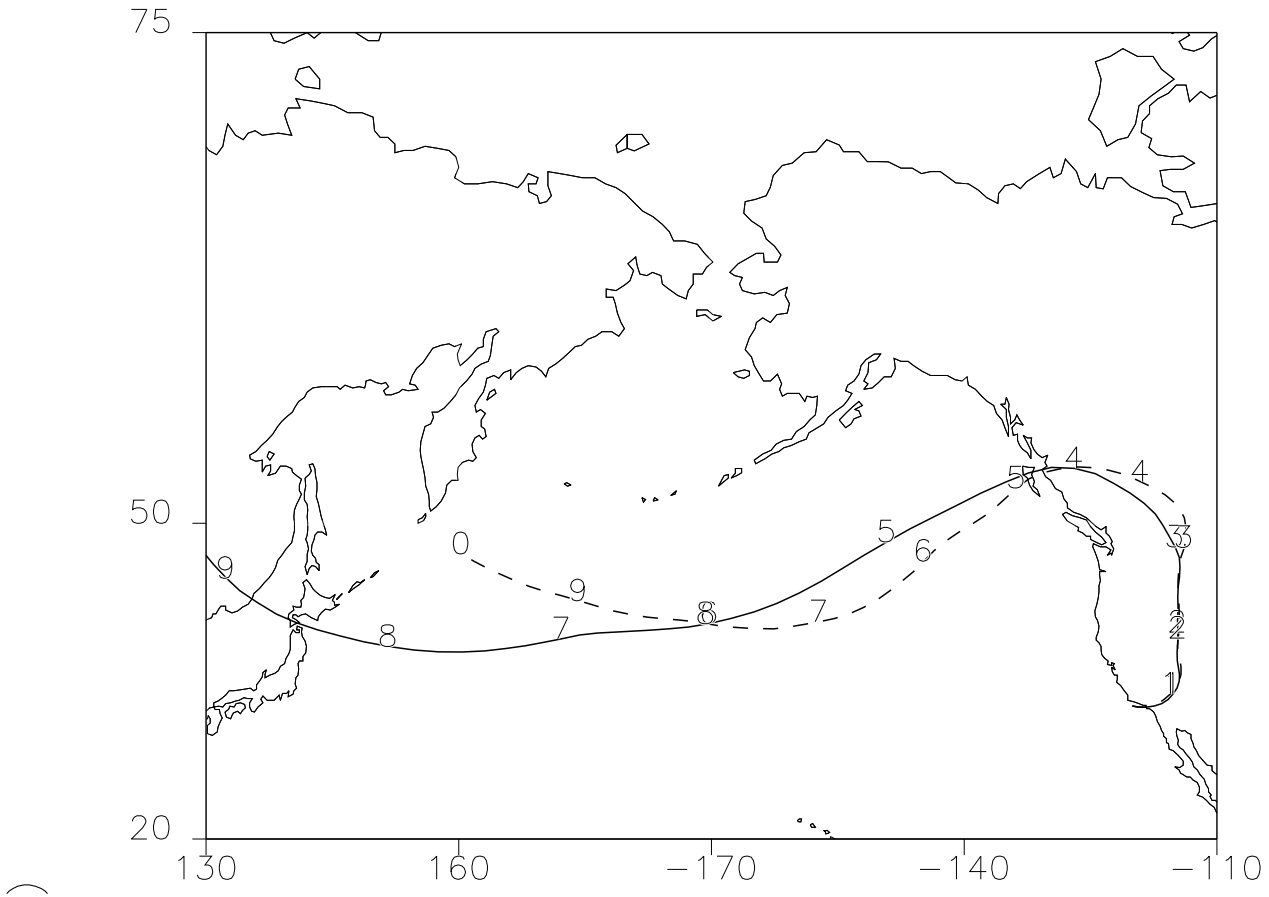
Day	km	hPa	C
0	0.3	985	15
1	1.2	880	6
2	2.1	783	−3
3	2.0	804	−1
4	2.6	752	−4
5	2.7	736	−7
6	1.9	798	−2
7	1.0	899	6
8	1.3	876	0
9	2.1	781	−9
10	3.7	622	−26

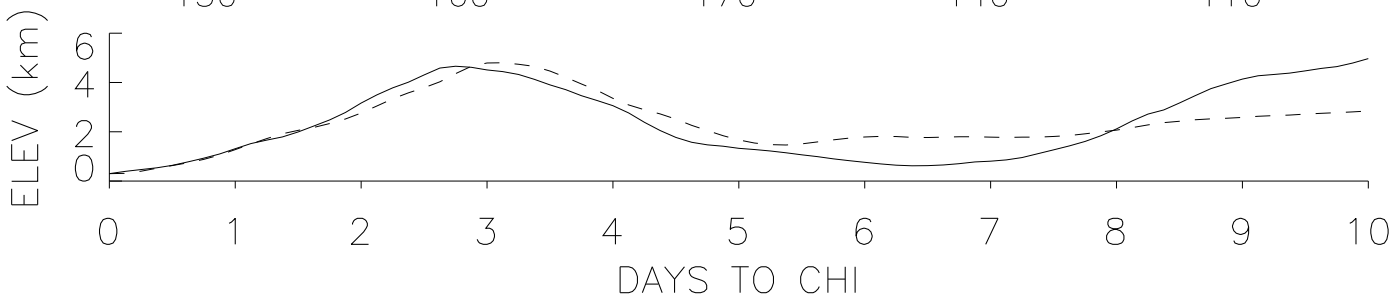
06UT

Day	km	hPa	C
0	0.3	989	13
1	1.2	885	4
2	2.7	720	−12
3	2.7	730	−13
4	2.5	744	−12
5	3.5	639	−22
6	3.8	604	−25
7	3.4	646	−21
8	4.7	539	−36

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/3/2002 (Day of Year 62)
NCEP/NCAR Reanalysis 1 Data Set





12UT

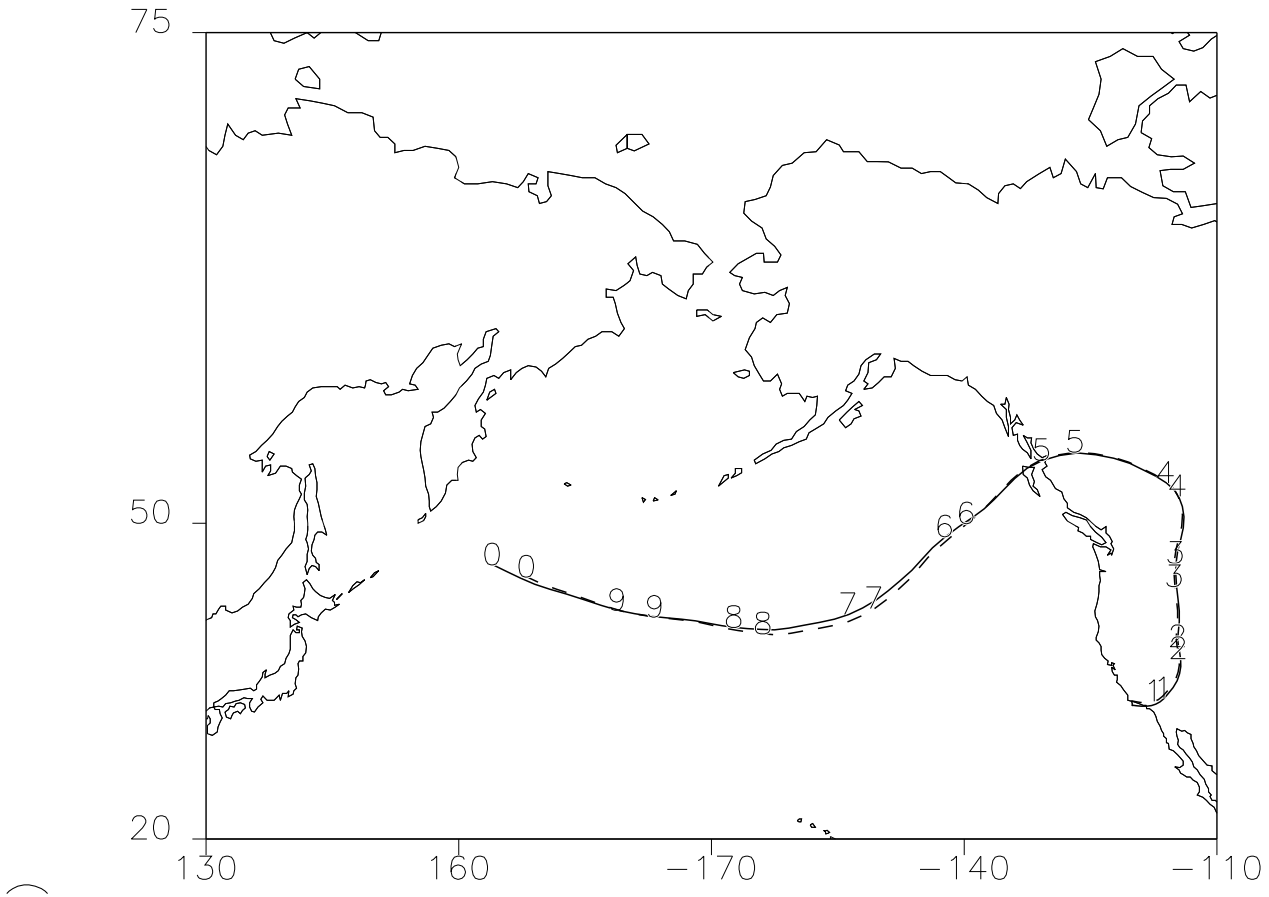
Day	km	hPa	C
0	0.3	989	12
1	1.3	870	−1
2	3.2	682	−19
3	4.5	563	−31
4	3.1	696	−14
5	1.3	868	−1
6	0.8	918	5
7	0.8	913	2
8	2.1	772	−12
9	4.1	586	−32
10	5.0	521	−41

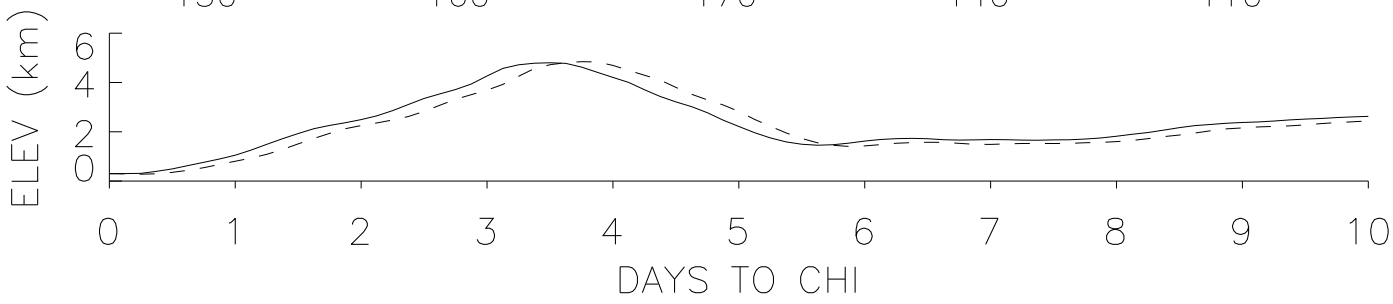
18UT

Day	km	hPa	C
0	0.3	991	13
1	1.3	878	0
2	2.8	721	−16
3	4.8	542	−35
4	3.4	663	−17
5	1.7	840	−3
6	1.8	823	−3
7	1.8	816	−4
8	2.1	782	−8
9	2.6	723	−15
10	2.8	696	−19

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/4/2002 (Day of Year 63)
NCEP/NCAR Reanalysis 1 Data Set





00UT

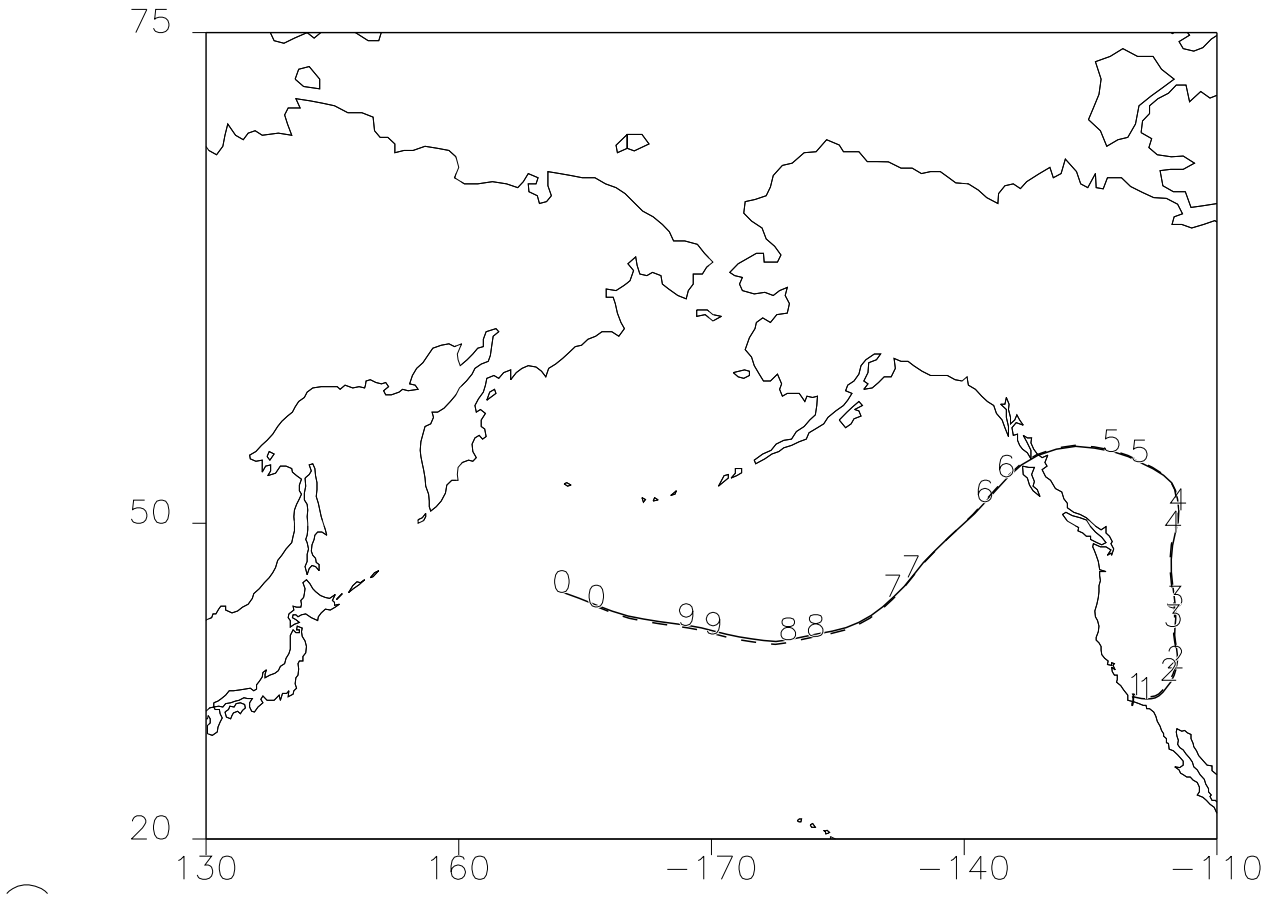
Day	km	hPa	C
0	0.3	989	16
1	1.0	902	7
2	2.5	747	−11
3	4.3	587	−28
4	4.2	588	−25
5	2.2	782	−7
6	1.6	842	−1
7	1.7	827	−3
8	1.8	810	−5
9	2.4	745	−13
10	2.6	717	−18

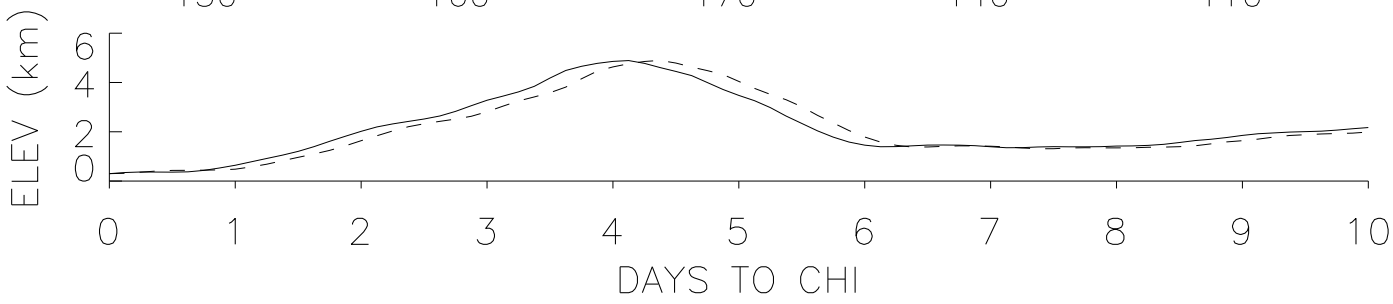
06UT

Day	km	hPa	C
0	0.3	990	14
1	0.8	932	8
2	2.3	773	−10
3	3.7	637	−23
4	4.7	547	−31
5	2.8	720	−12
6	1.4	865	0
7	1.5	851	−1
8	1.6	834	−3
9	2.2	767	−10
10	2.4	734	−15

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/4/2002 (Day of Year 63)
NCEP/NCAR Reanalysis 1 Data Set





12UT

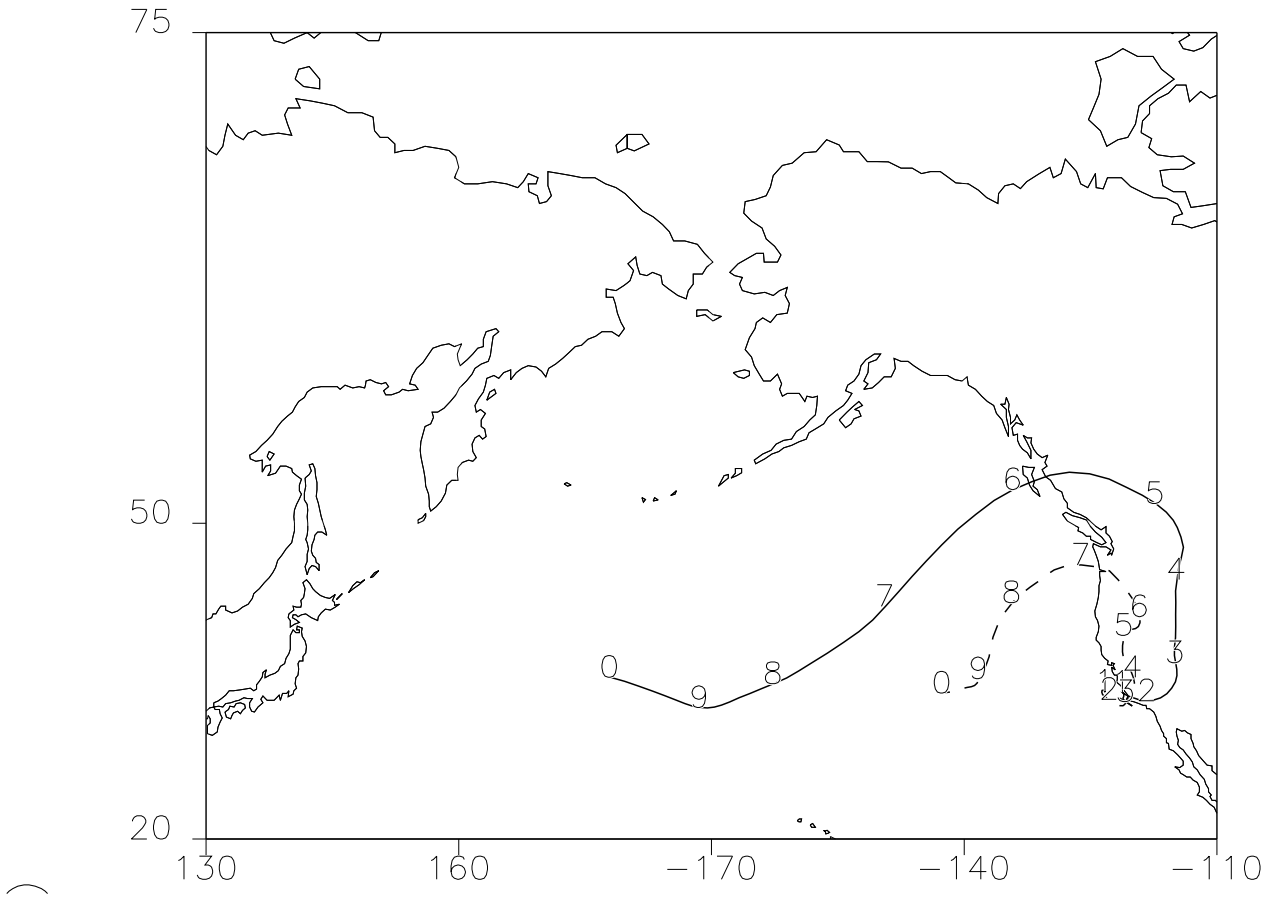
Day	km	hPa	C
0	0.3	989	11
1	0.6	950	7
2	2.0	797	−11
3	3.3	672	−21
4	4.9	536	−33
5	3.5	656	−16
6	1.5	861	−1
7	1.4	863	1
8	1.4	855	−2
9	1.9	803	−7
10	2.2	762	−13

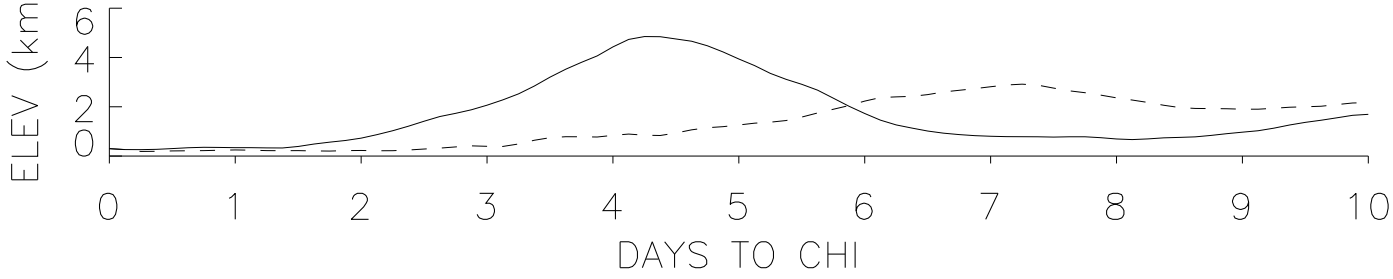
18UT

Day	km	hPa	C
0	0.3	989	14
1	0.5	971	12
2	1.6	840	−4
3	2.8	717	−17
4	4.6	555	−33
5	4.0	603	−21
6	1.8	826	−4
7	1.4	863	0
8	1.3	864	−1
9	1.6	827	−4
10	2.0	782	−11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/5/2002 (Day of Year 64)
NCEP/NCAR Reanalysis 1 Data Set





00UT

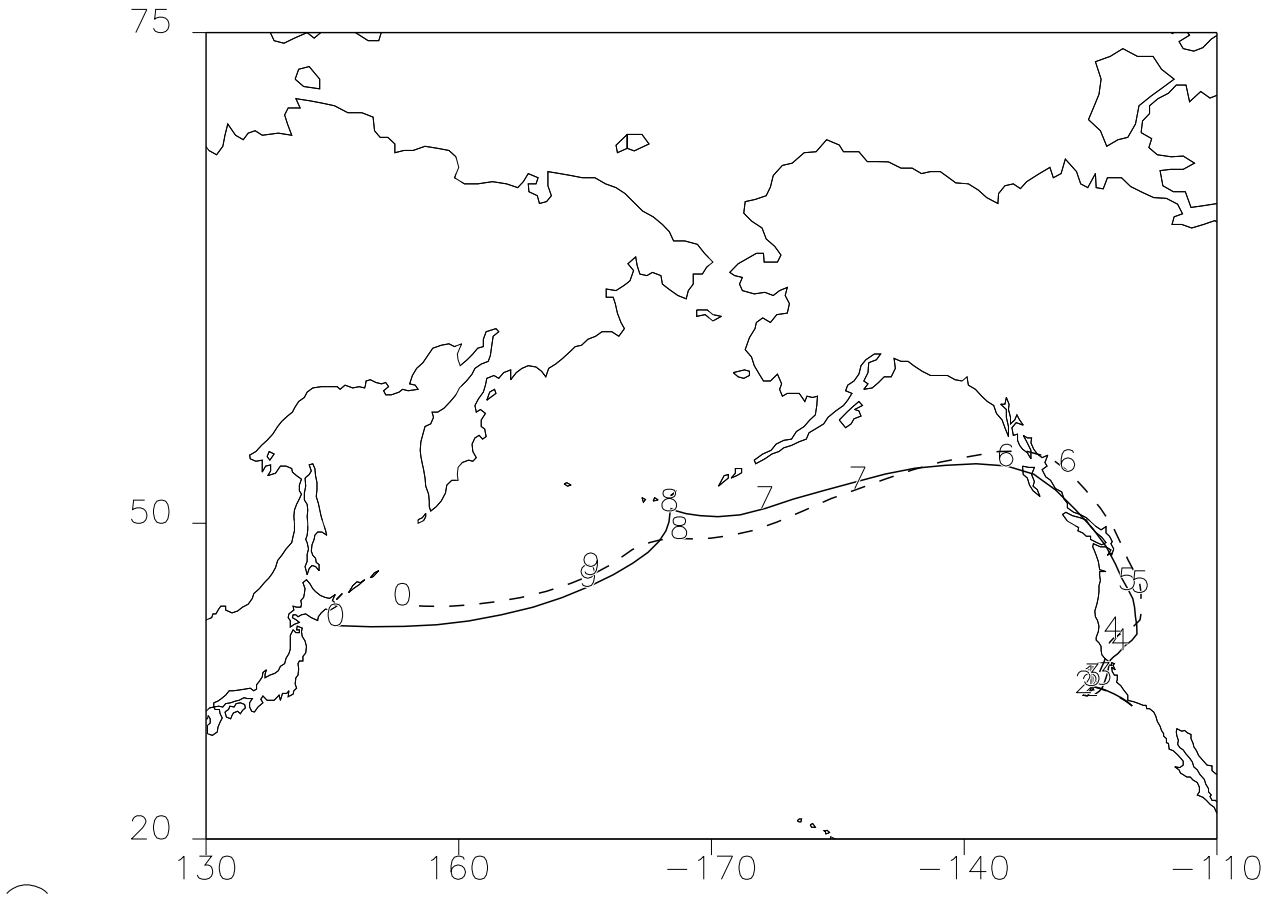
Day	km	hPa	C
0	0.3	984	16
1	0.3	984	15
2	0.7	937	11
3	2.1	789	−5
4	4.4	573	−29
5	3.9	611	−23
6	1.7	833	−1
7	0.8	933	5
8	0.7	942	8
9	1.0	911	6
10	1.7	825	−4

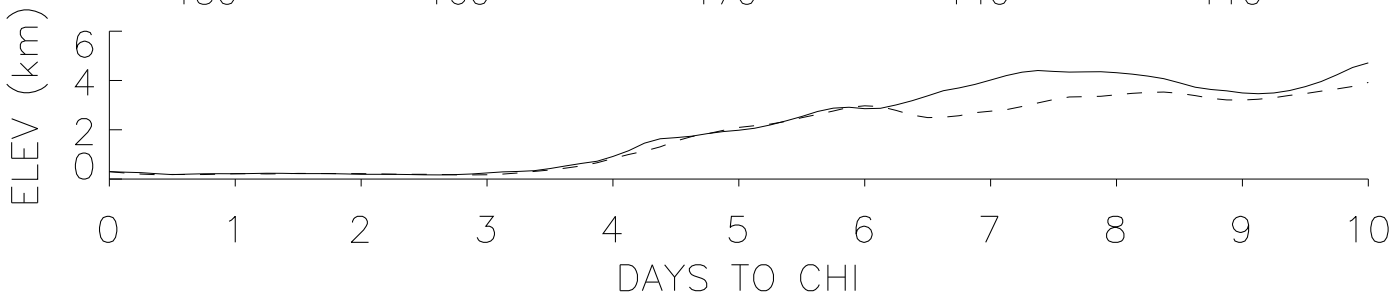
06UT

Day	km	hPa	C
0	0.3	985	13
1	0.2	997	14
2	0.2	996	14
3	0.4	970	12
4	0.8	913	10
5	1.3	875	10
6	2.2	781	0
7	2.8	729	−3
8	2.4	771	−1
9	1.9	816	5
10	2.2	789	6

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/5/2002 (Day of Year 64)
NCEP/NCAR Reanalysis 1 Data Set





12UT

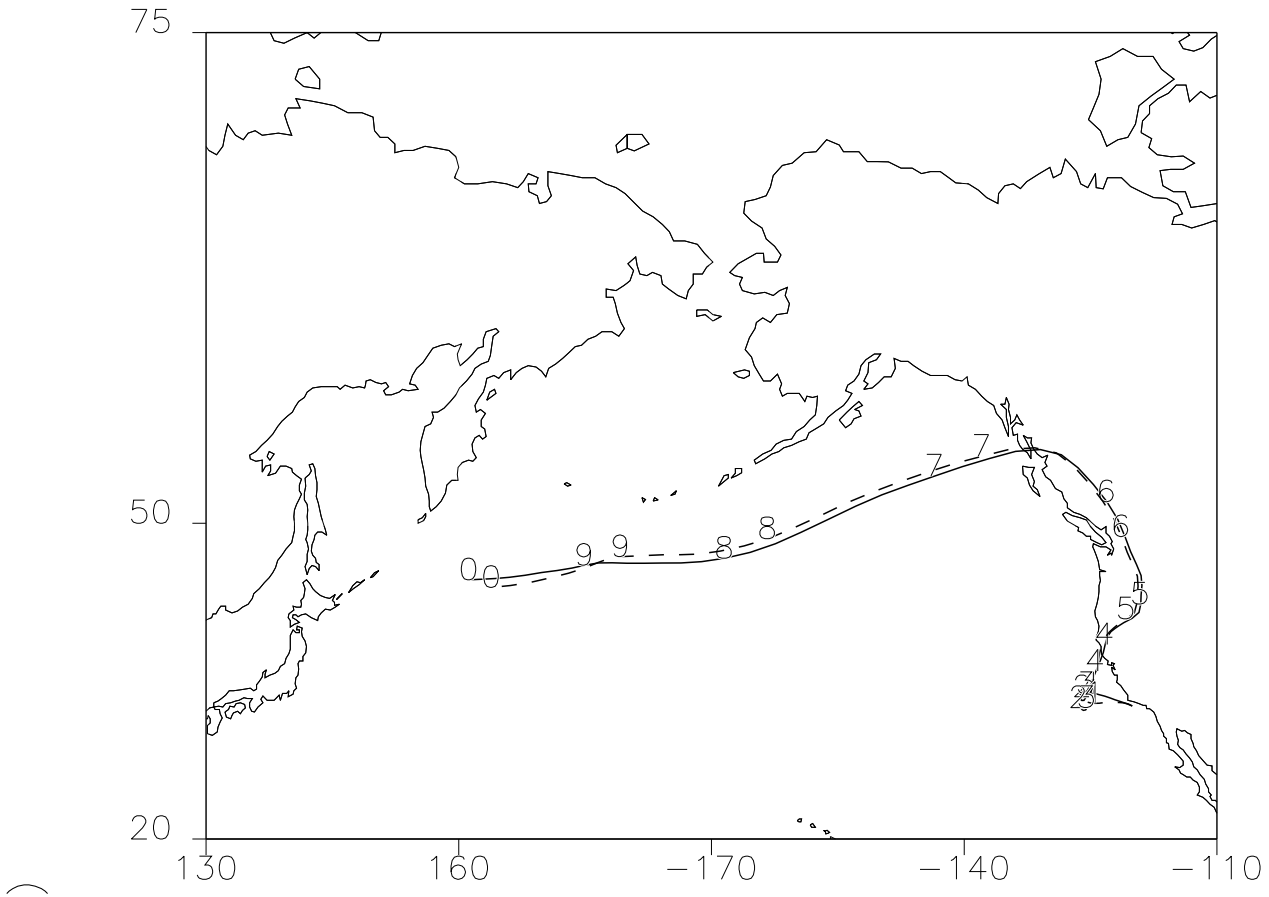
Day	km	hPa	C
0	0.3	985	12
1	0.2	999	12
2	0.2	1000	14
3	0.2	989	10
4	0.9	912	2
5	2.0	799	−7
6	2.9	716	−15
7	4.0	594	−28
8	4.3	561	−29
9	3.5	636	−21
10	4.7	539	−32

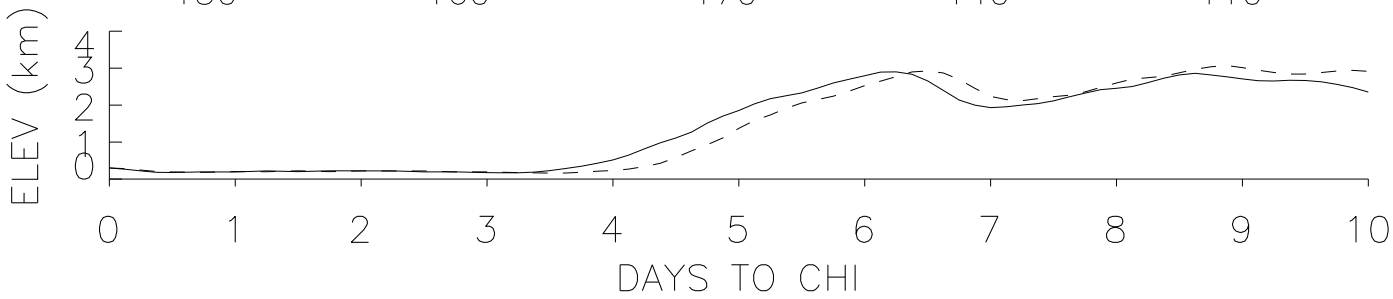
18UT

Day	km	hPa	C
0	0.3	986	15
1	0.2	1000	13
2	0.2	1000	14
3	0.2	999	13
4	0.8	925	5
5	2.1	786	−10
6	3.0	702	−17
7	2.8	713	−18
8	3.4	637	−22
9	3.2	658	−20
10	3.9	597	−28

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/6/2002 (Day of Year 65)
NCEP/NCAR Reanalysis 1 Data Set





00UT

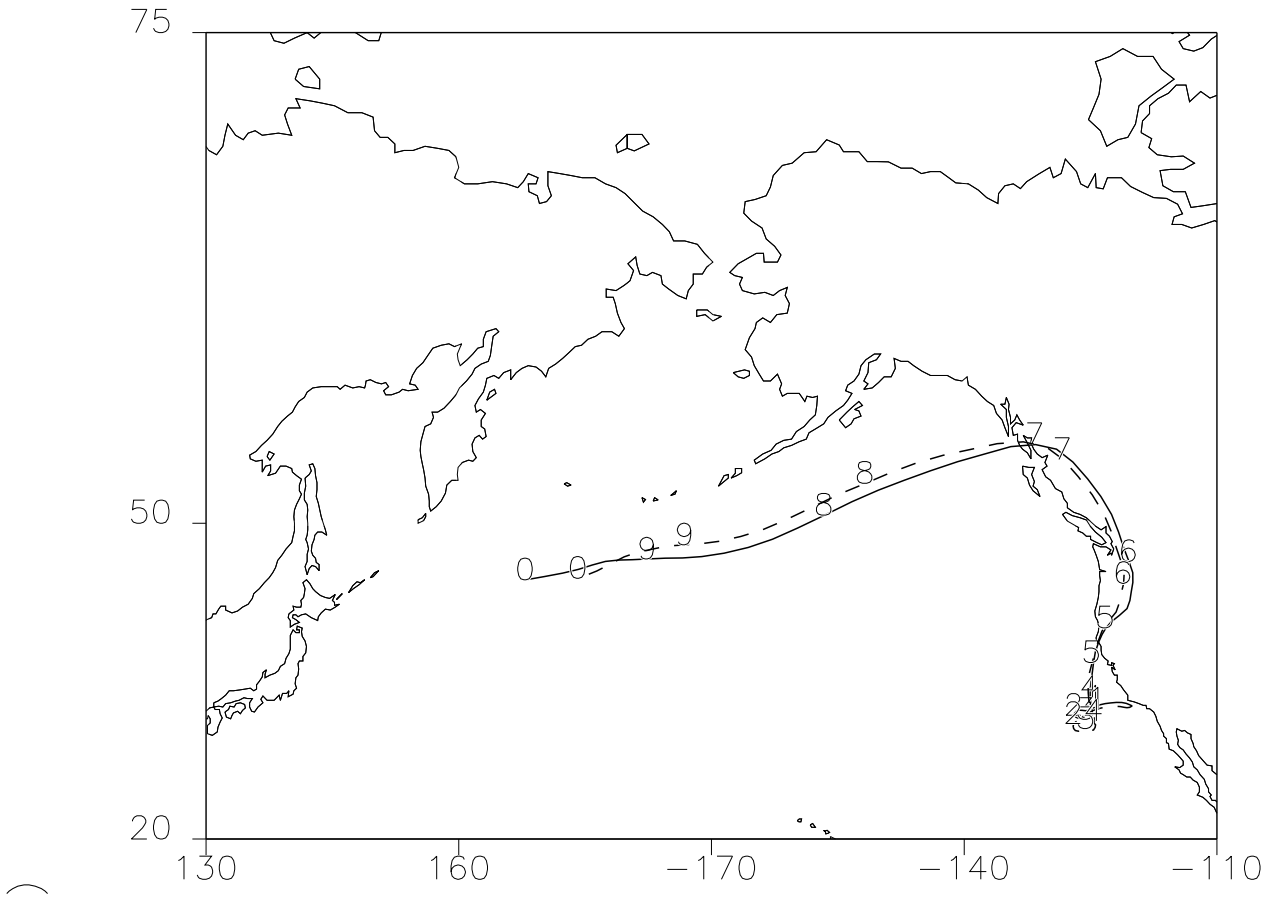
Day	km	hPa	C
0	0.3	984	16
1	0.2	1000	12
2	0.2	1000	13
3	0.2	1000	14
4	0.5	958	11
5	1.9	811	−6
6	2.8	717	−16
7	1.9	802	−8
8	2.5	730	−14
9	2.7	700	−17
10	2.4	735	−15

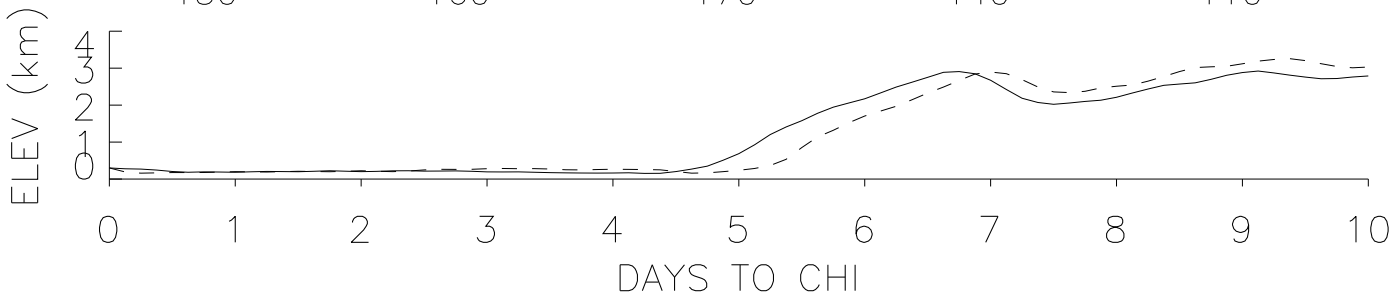
06UT

Day	km	hPa	C
0	0.3	985	13
1	0.2	1000	12
2	0.2	1000	13
3	0.2	1000	13
4	0.2	991	12
5	1.4	863	−3
6	2.5	742	−13
7	2.2	771	−10
8	2.6	720	−15
9	3.0	671	−20
10	2.9	682	−20

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/6/2002 (Day of Year 65)
NCEP/NCAR Reanalysis 1 Data Set





12UT

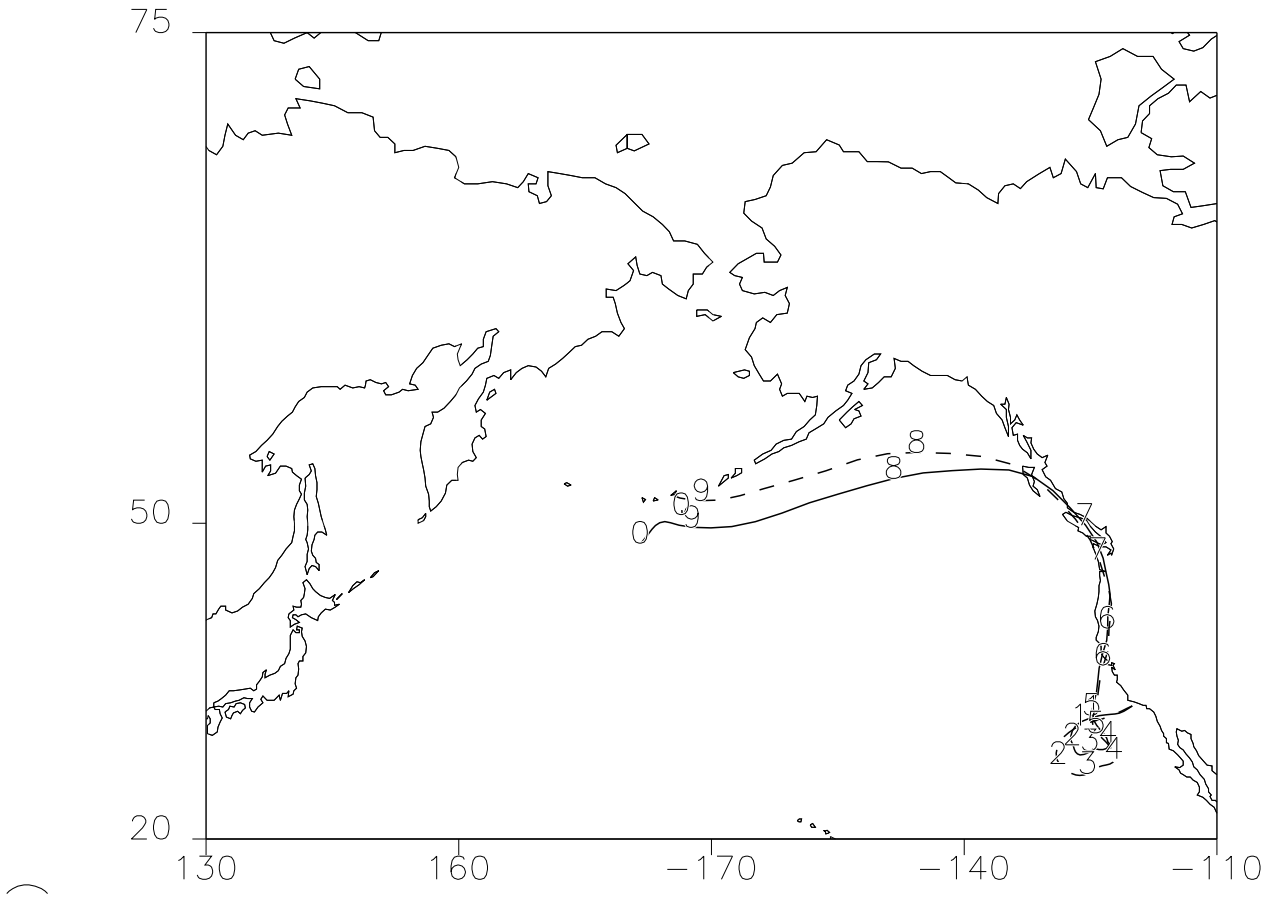
Day	km	hPa	C
0	0.3	983	13
1	0.2	1000	12
2	0.2	1000	13
3	0.2	1000	14
4	0.2	997	13
5	0.7	941	3
6	2.2	778	−11
7	2.7	730	−14
8	2.2	763	−12
9	2.9	684	−18
10	2.8	693	−18

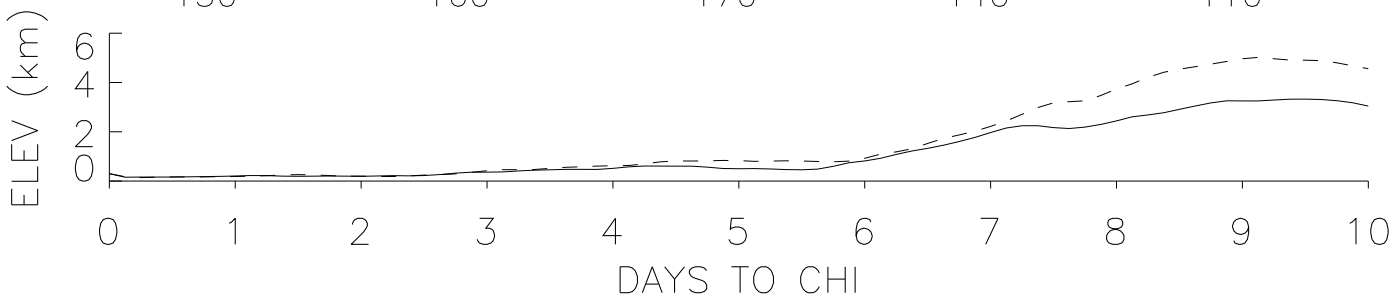
18UT

Day	km	hPa	C
0	0.3	983	16
1	0.2	1000	13
2	0.2	1000	14
3	0.3	992	13
4	0.3	988	13
5	0.2	990	11
6	1.7	828	−7
7	2.9	708	−17
8	2.5	736	−15
9	3.1	664	−20
10	3.0	673	−19

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/7/2002 (Day of Year 66)
NCEP/NCAR Reanalysis 1 Data Set





00UT

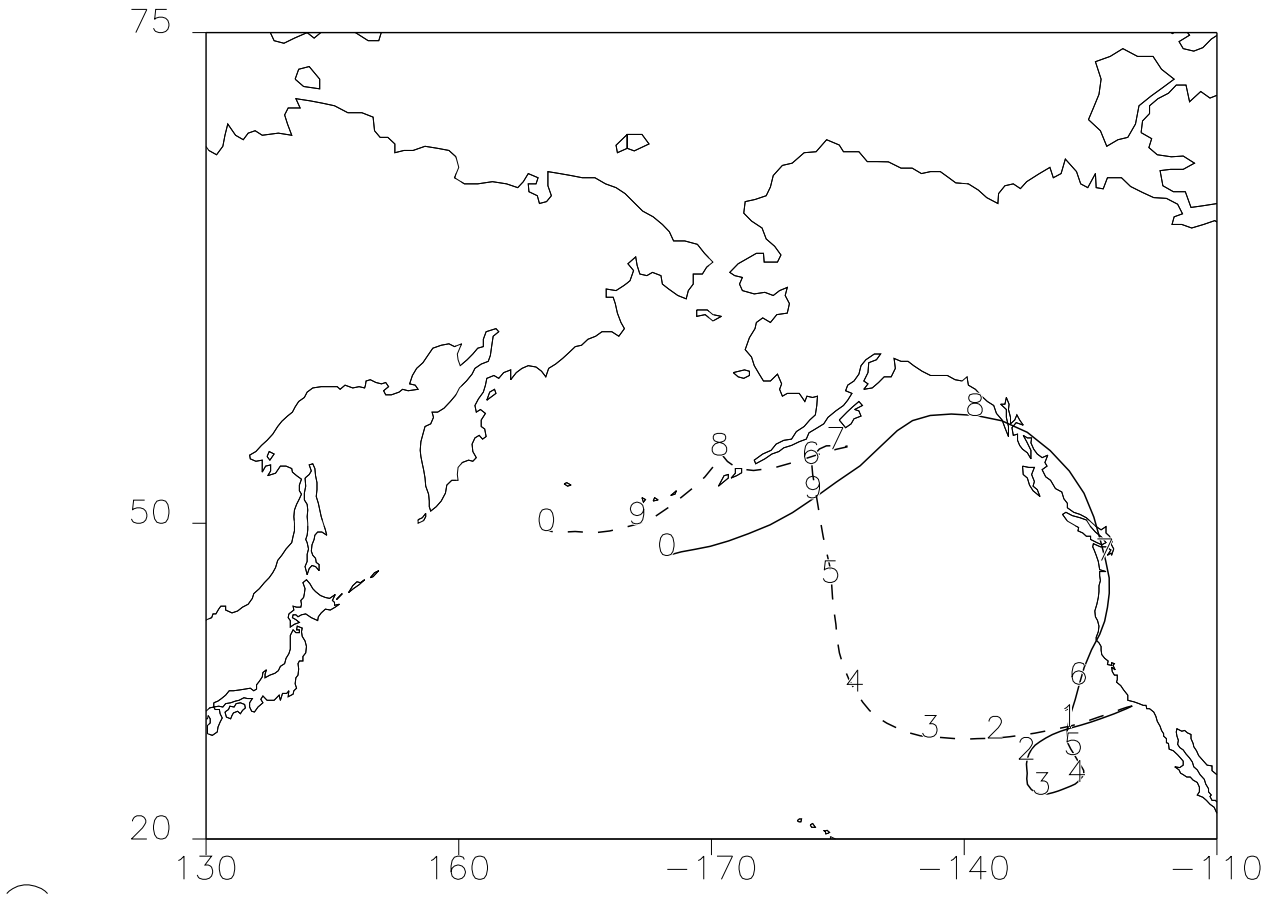
Day	km	hPa	C
0	0.3	981	14
1	0.2	998	13
2	0.2	1000	15
3	0.4	981	12
4	0.5	960	9
5	0.5	958	11
6	0.8	924	6
7	2.0	804	−8
8	2.4	749	−13
9	3.3	652	−20
10	3.0	672	−19

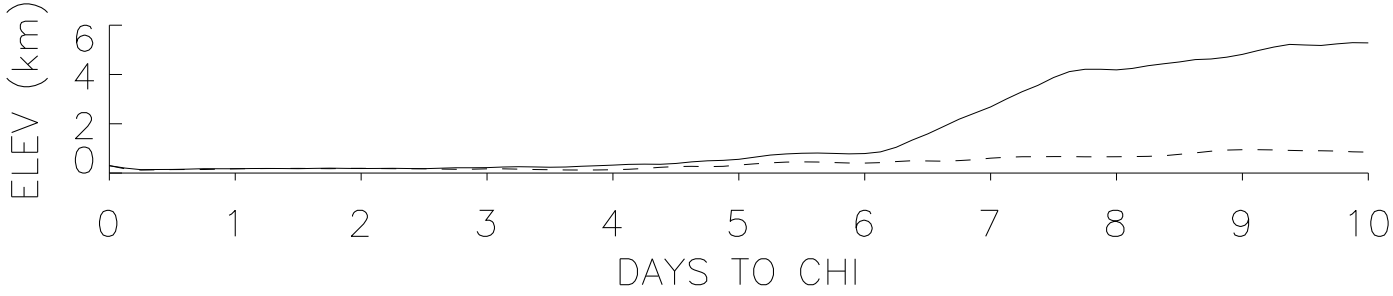
06UT

Day	km	hPa	C
0	0.3	981	13
1	0.2	1000	15
2	0.2	1000	17
3	0.4	975	13
4	0.6	950	9
5	0.8	923	10
6	0.9	907	8
7	2.2	777	−7
8	3.7	630	−23
9	5.0	516	−33
10	4.6	544	−30

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/7/2002 (Day of Year 66)
NCEP/NCAR Reanalysis 1 Data Set





12UT

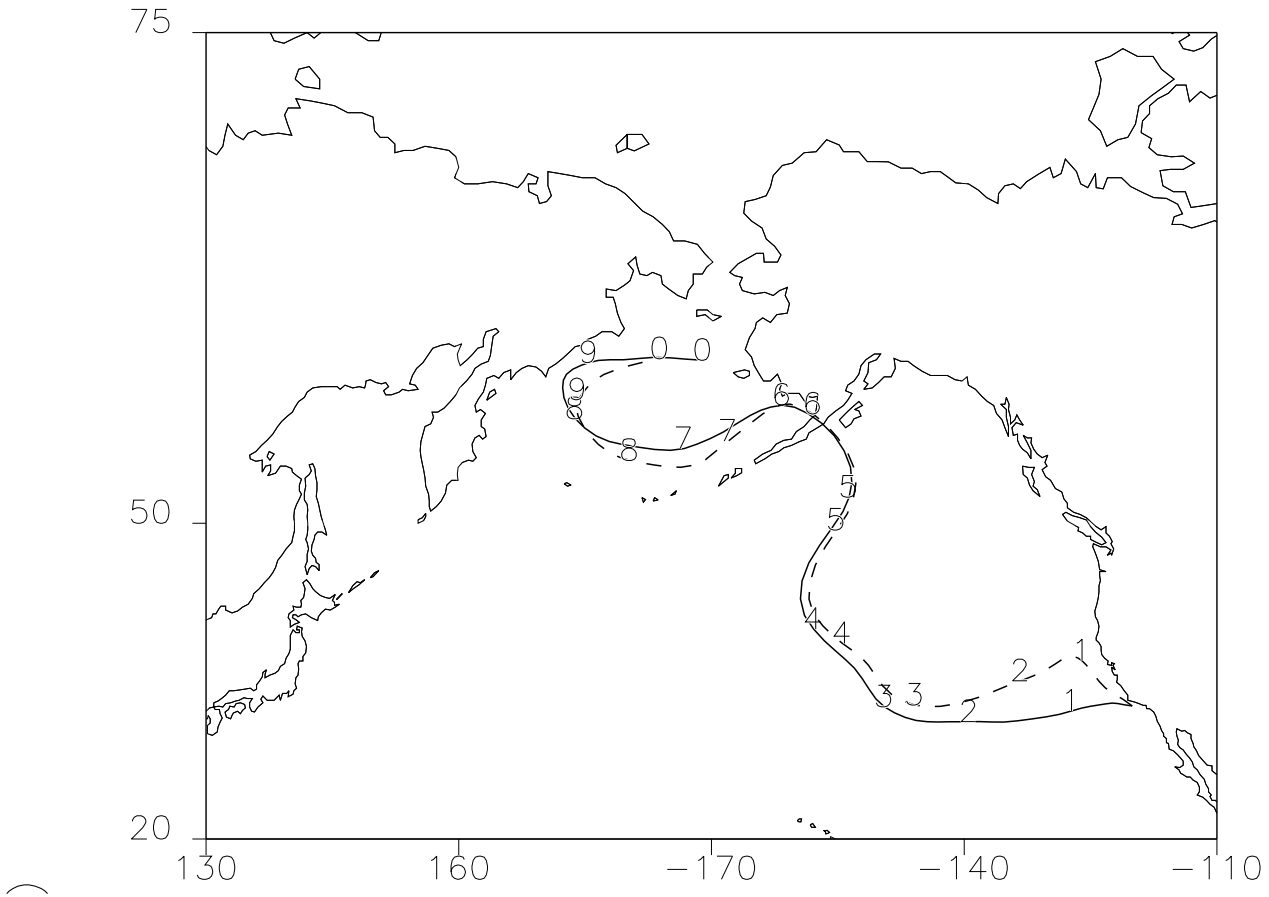
Day	km	hPa	C
0	0.3	979	13
1	0.2	1000	15
2	0.2	1000	18
3	0.2	996	17
4	0.3	983	14
5	0.6	954	10
6	0.8	925	8
7	2.7	730	−11
8	4.2	591	−28
9	4.8	531	−36
10	5.3	489	−40

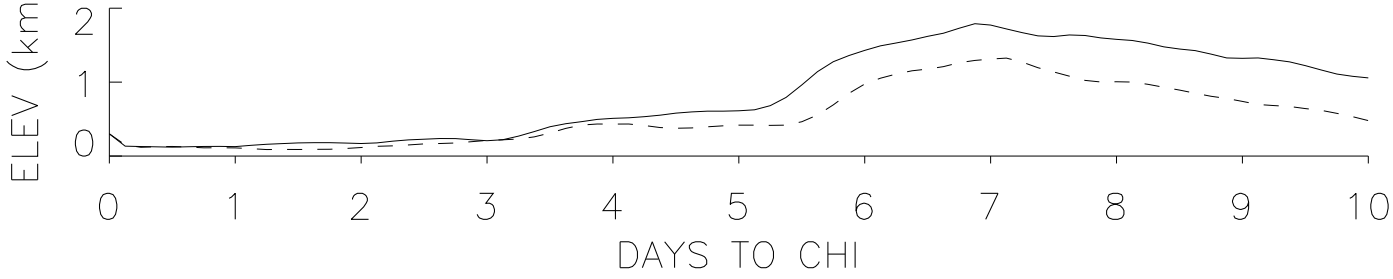
18UT

Day	km	hPa	C
0	0.3	979	13
1	0.2	1000	14
2	0.2	1000	16
3	0.2	999	14
4	0.1	999	9
5	0.3	987	2
6	0.4	968	−1
7	0.6	947	−5
8	0.7	926	−4
9	0.9	893	−7
10	0.9	902	−8

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/8/2002 (Day of Year 67)
NCEP/NCAR Reanalysis 1 Data Set





00UT

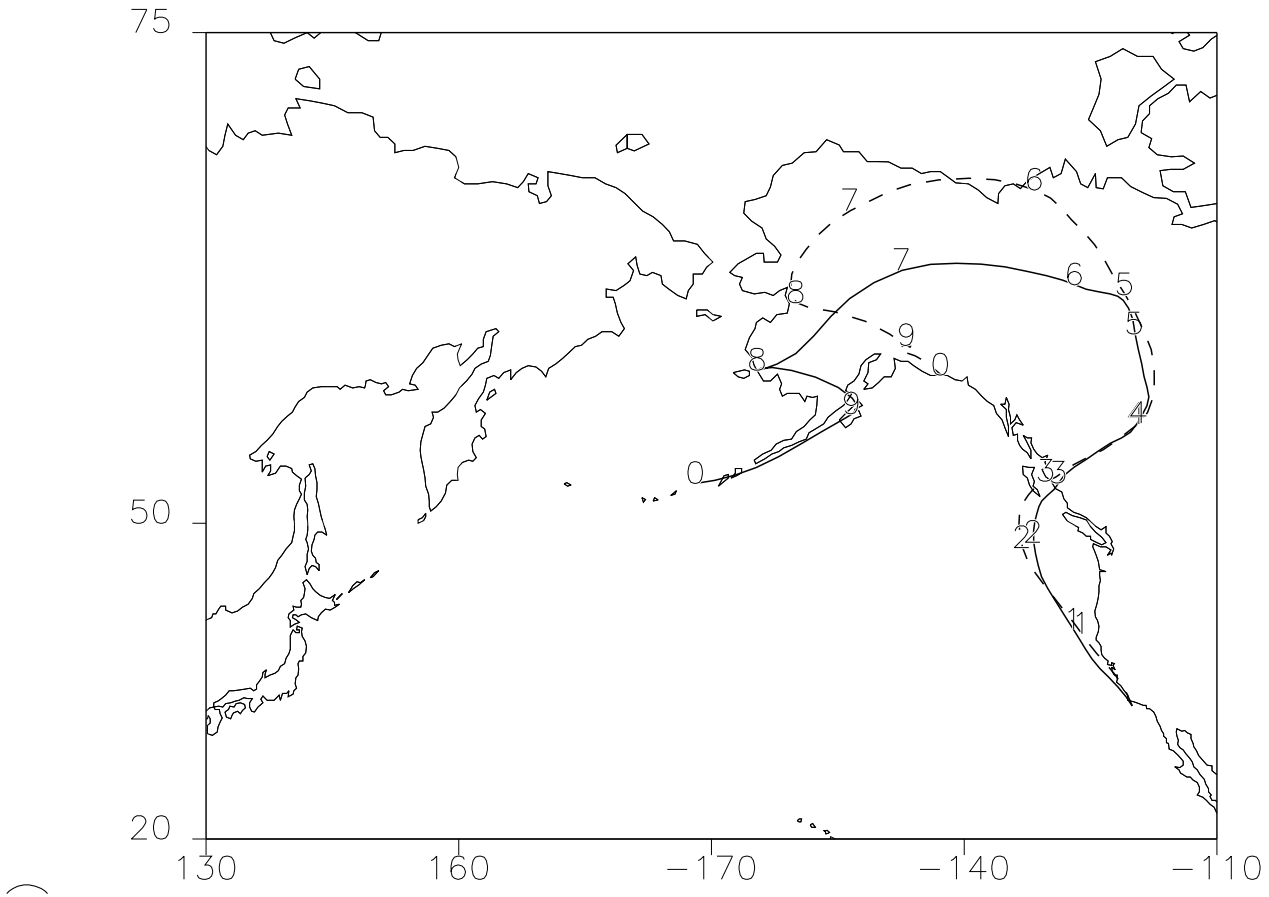
Day	km	hPa	C
0	0.3	977	13
1	0.1	1000	13
2	0.2	1000	13
3	0.2	993	12
4	0.5	957	3
5	0.6	956	−1
6	1.4	852	−11
7	1.8	805	−14
8	1.6	821	−14
9	1.3	846	−12
10	1.1	873	−6

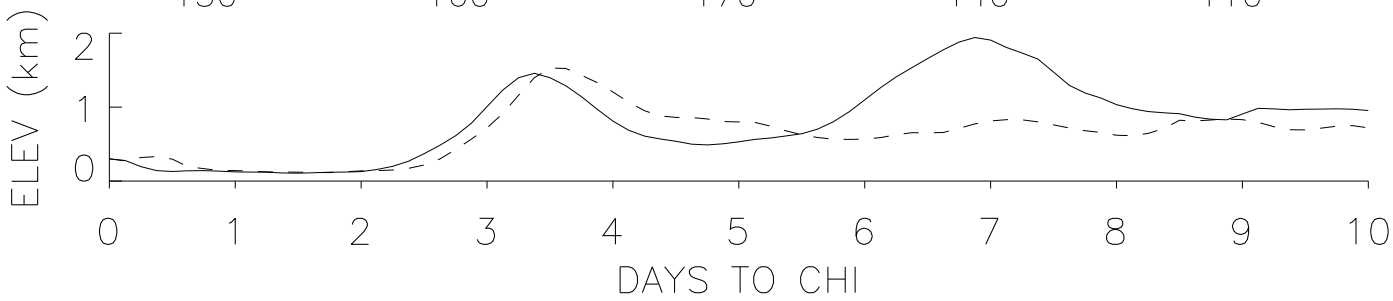
06UT

Day	km	hPa	C
0	0.3	981	11
1	0.1	1000	10
2	0.1	1000	13
3	0.2	992	12
4	0.4	963	6
5	0.4	978	0
6	1.0	904	−8
7	1.3	860	−9
8	1.0	885	−8
9	0.7	913	−8
10	0.5	939	−5

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/8/2002 (Day of Year 67)
NCEP/NCAR Reanalysis 1 Data Set





12UT

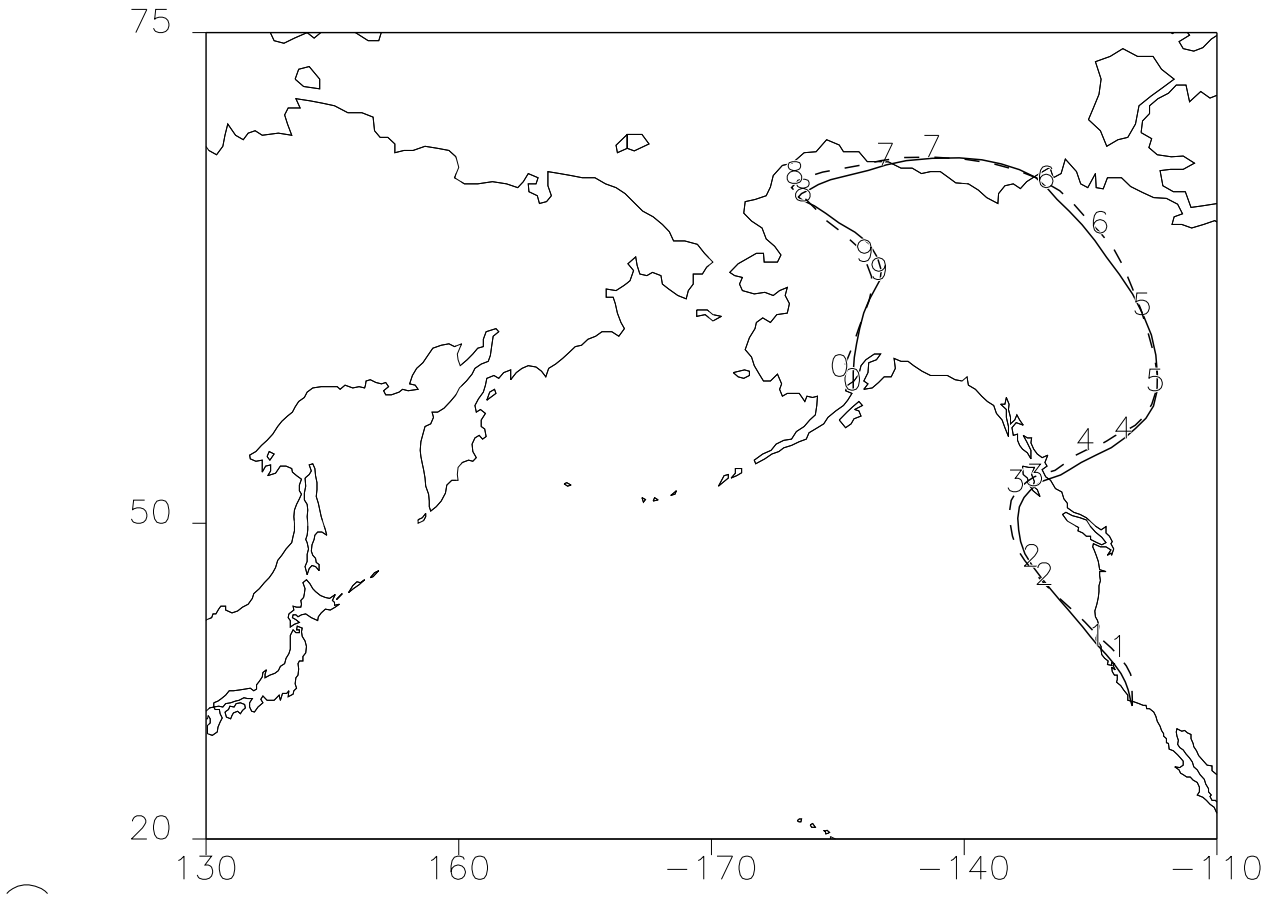
Day	km	hPa	C
0	0.3	982	8
1	0.1	1000	6
2	0.1	1000	4
3	1.0	899	−12
4	0.8	925	−12
5	0.5	950	−6
6	1.1	889	−9
7	1.9	799	−12
8	1.0	876	−8
9	0.9	911	−4
10	1.0	885	−6

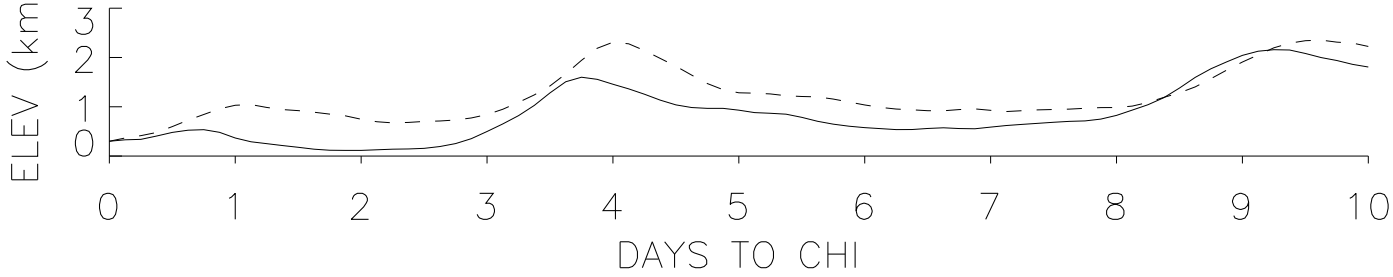
18UT

Day	km	hPa	C
0	0.3	985	9
1	0.1	1000	6
2	0.1	1000	3
3	0.7	935	−12
4	1.2	881	−19
5	0.8	924	−17
6	0.6	944	−15
7	0.8	915	−9
8	0.6	927	−3
9	0.8	923	−7
10	0.7	933	−5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/9/2002 (Day of Year 68)
NCEP/NCAR Reanalysis 1 Data Set





00UT

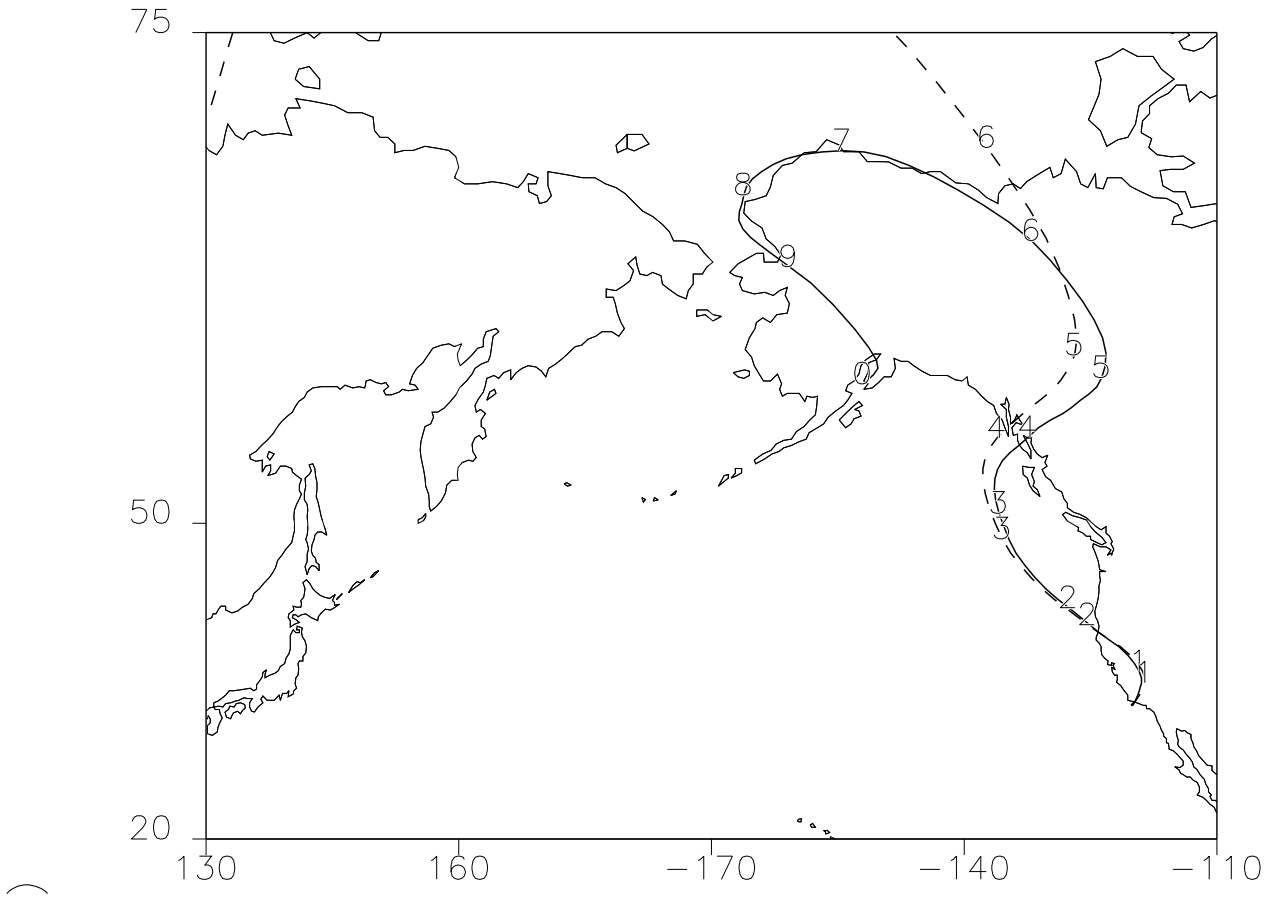
Day	km	hPa	C
0	0.3	983	12
1	0.4	972	5
2	0.1	1000	4
3	0.5	963	−6
4	1.5	849	−20
5	0.9	909	−18
6	0.6	944	−16
7	0.6	941	−10
8	0.8	907	−7
9	2.0	788	−12
10	1.8	803	−10

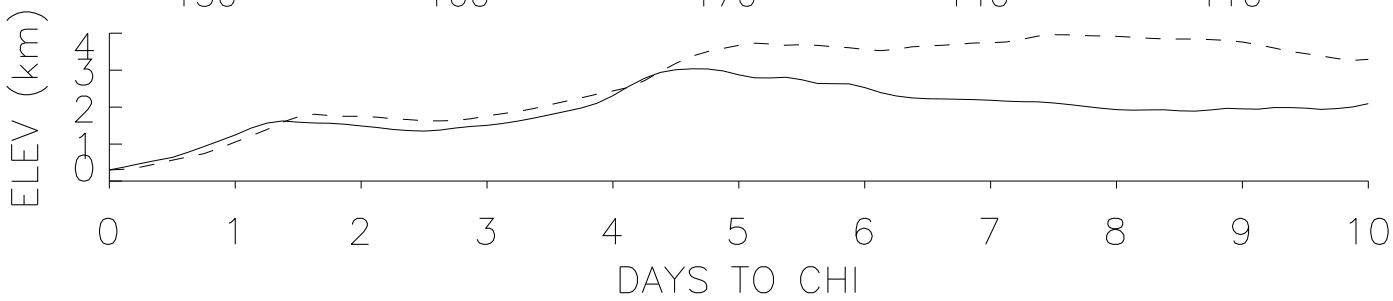
06UT

Day	km	hPa	C
0	0.3	985	11
1	1.0	897	0
2	0.7	925	−1
3	0.8	919	−8
4	2.3	755	−23
5	1.3	868	−16
6	1.0	889	−16
7	0.9	899	−13
8	1.0	889	−8
9	1.9	801	−9
10	2.2	761	−14

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/9/2002 (Day of Year 68)
NCEP/NCAR Reanalysis 1 Data Set





12UT

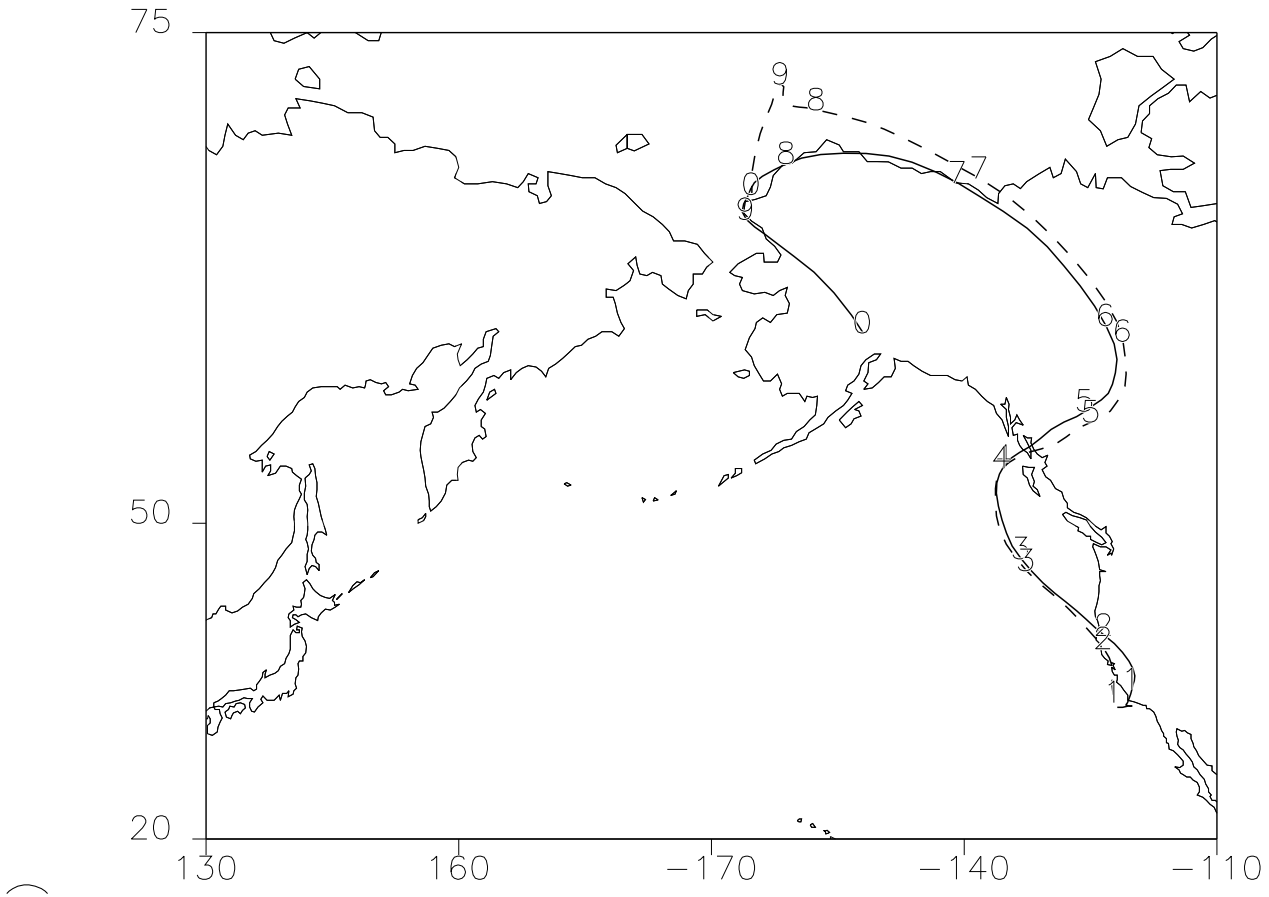
Day	km	hPa	C
0	0.3	986	11
1	1.2	873	−4
2	1.5	842	−7
3	1.5	843	−14
4	2.3	760	−22
5	2.9	703	−27
6	2.5	734	−23
7	2.2	762	−19
8	1.9	786	−17
9	2.0	786	−13
10	2.1	781	−13

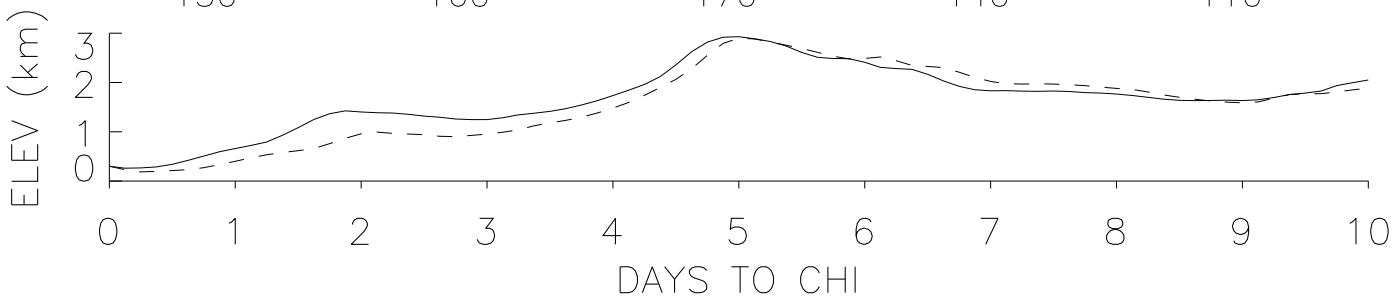
18UT

Day	km	hPa	C
0	0.3	989	13
1	1.1	899	3
2	1.8	816	−8
3	1.8	815	−12
4	2.4	749	−20
5	3.7	631	−31
6	3.6	636	−29
7	3.7	612	−32
8	3.9	596	−34
9	3.8	608	−30
10	3.3	655	−26

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/10/2002 (Day of Year 69)
NCEP/NCAR Reanalysis 1 Data Set





00UT

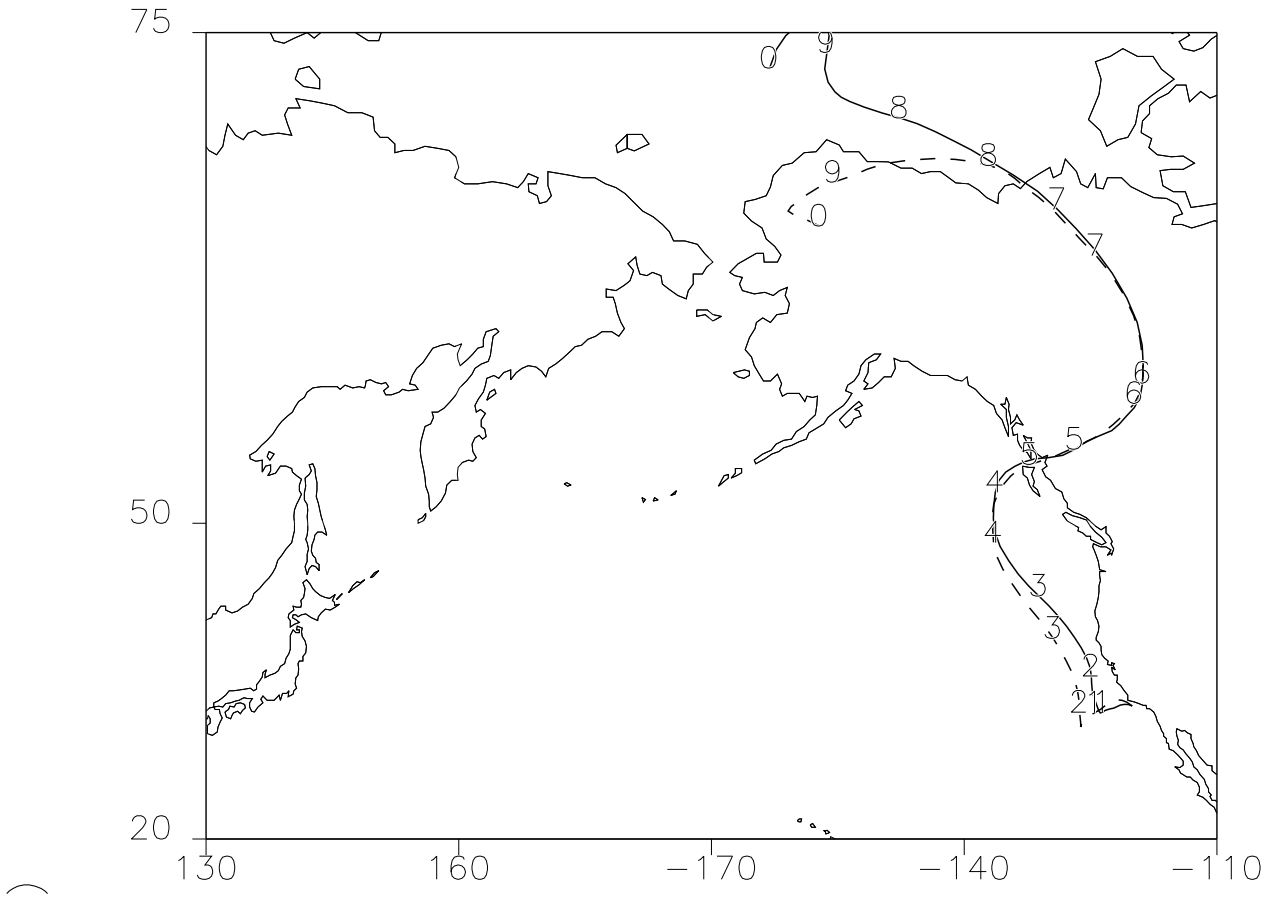
Day	km	hPa	C
0	0.3	986	13
1	0.7	942	10
2	1.4	853	−4
3	1.2	868	−8
4	1.7	821	−15
5	2.9	697	−27
6	2.4	749	−23
7	1.8	801	−18
8	1.8	805	−16
9	1.6	815	−14
10	2.0	787	−13

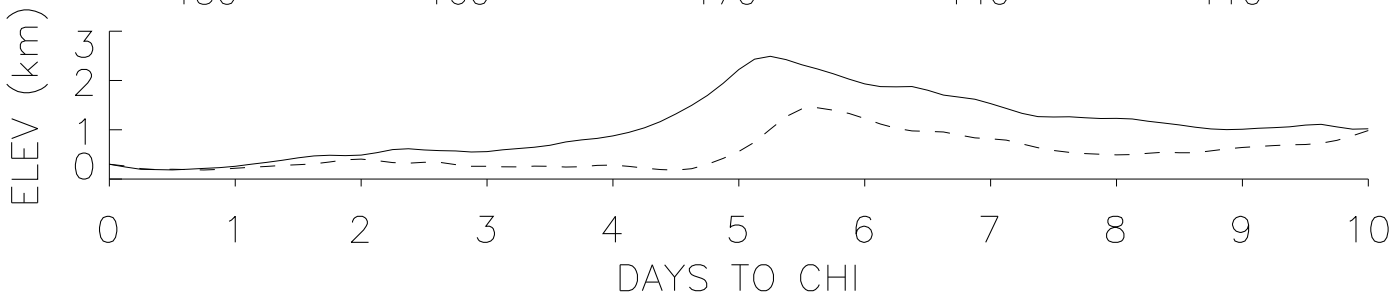
06UT

Day	km	hPa	C
0	0.3	988	14
1	0.4	974	9
2	1.0	907	−1
3	1.0	903	−3
4	1.5	848	−13
5	2.9	699	−27
6	2.5	740	−25
7	2.0	782	−21
8	1.9	791	−18
9	1.6	822	−14
10	1.9	796	−14

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/10/2002 (Day of Year 69)
NCEP/NCAR Reanalysis 1 Data Set





12UT

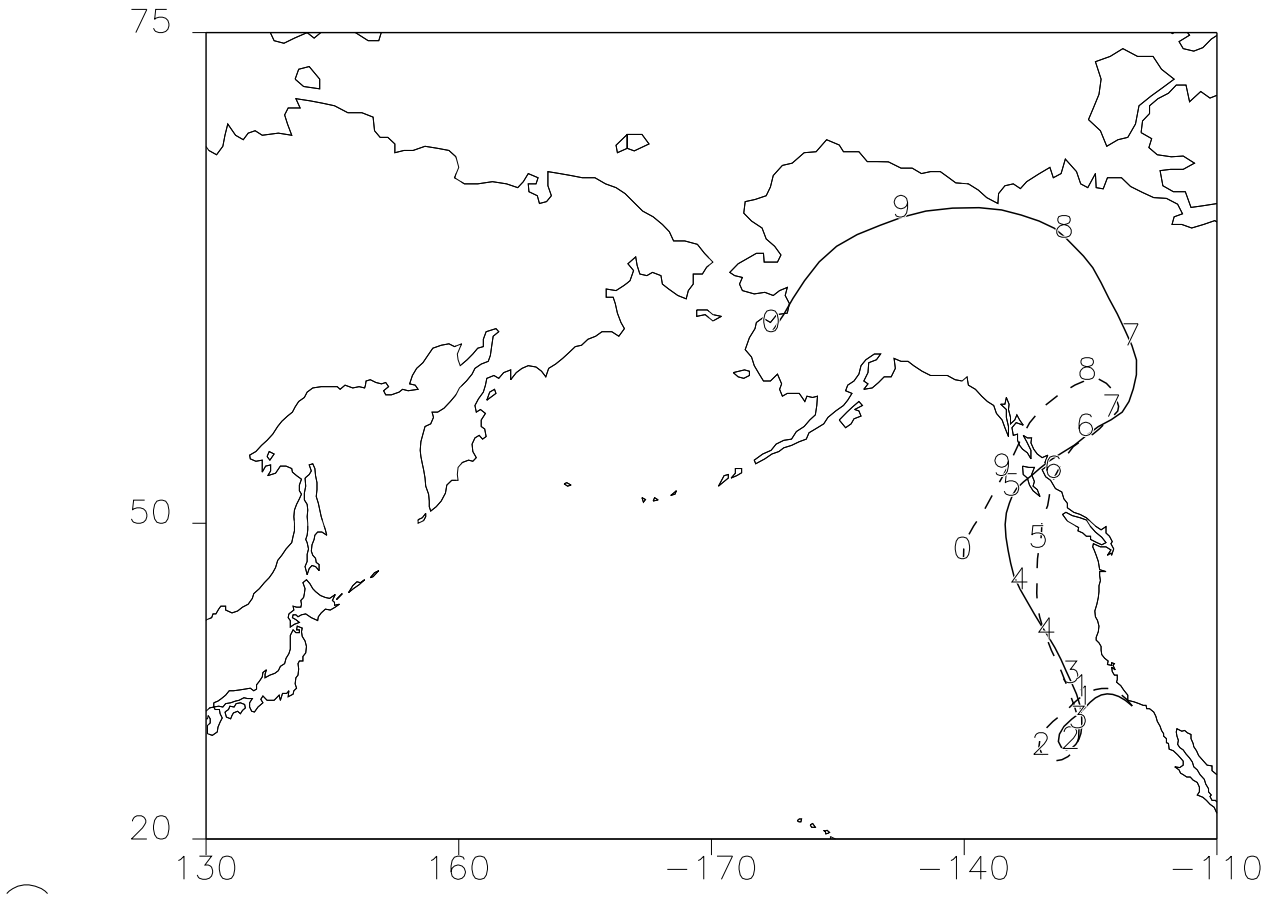
Day	km	hPa	C
0	0.3	986	13
1	0.3	992	11
2	0.5	964	5
3	0.6	949	1
4	0.9	916	−9
5	2.2	766	−26
6	1.9	798	−23
7	1.5	836	−19
8	1.2	862	−15
9	1.0	885	−13
10	1.0	888	−8

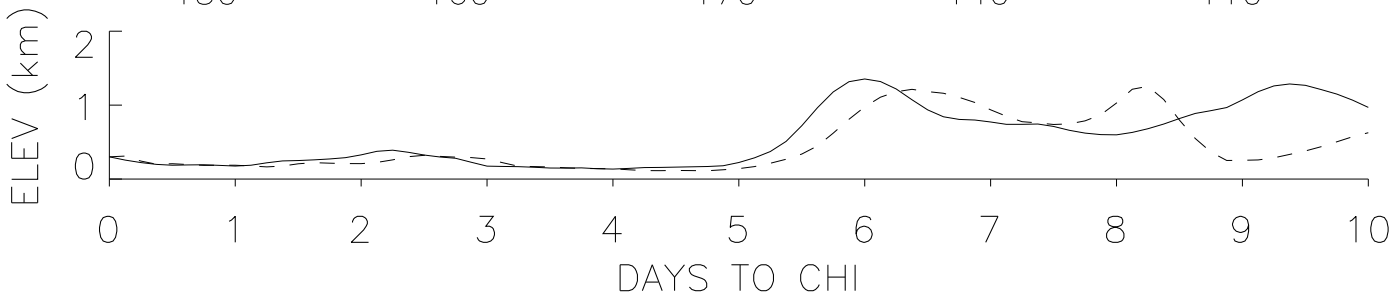
18UT

Day	km	hPa	C
0	0.3	988	14
1	0.2	999	12
2	0.4	978	7
3	0.3	989	5
4	0.3	987	2
5	0.6	957	−12
6	1.2	880	−21
7	0.8	923	−19
8	0.5	954	−17
9	0.6	933	−9
10	1.0	890	−5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/11/2002 (Day of Year 70)
NCEP/NCAR Reanalysis 1 Data Set





00UT

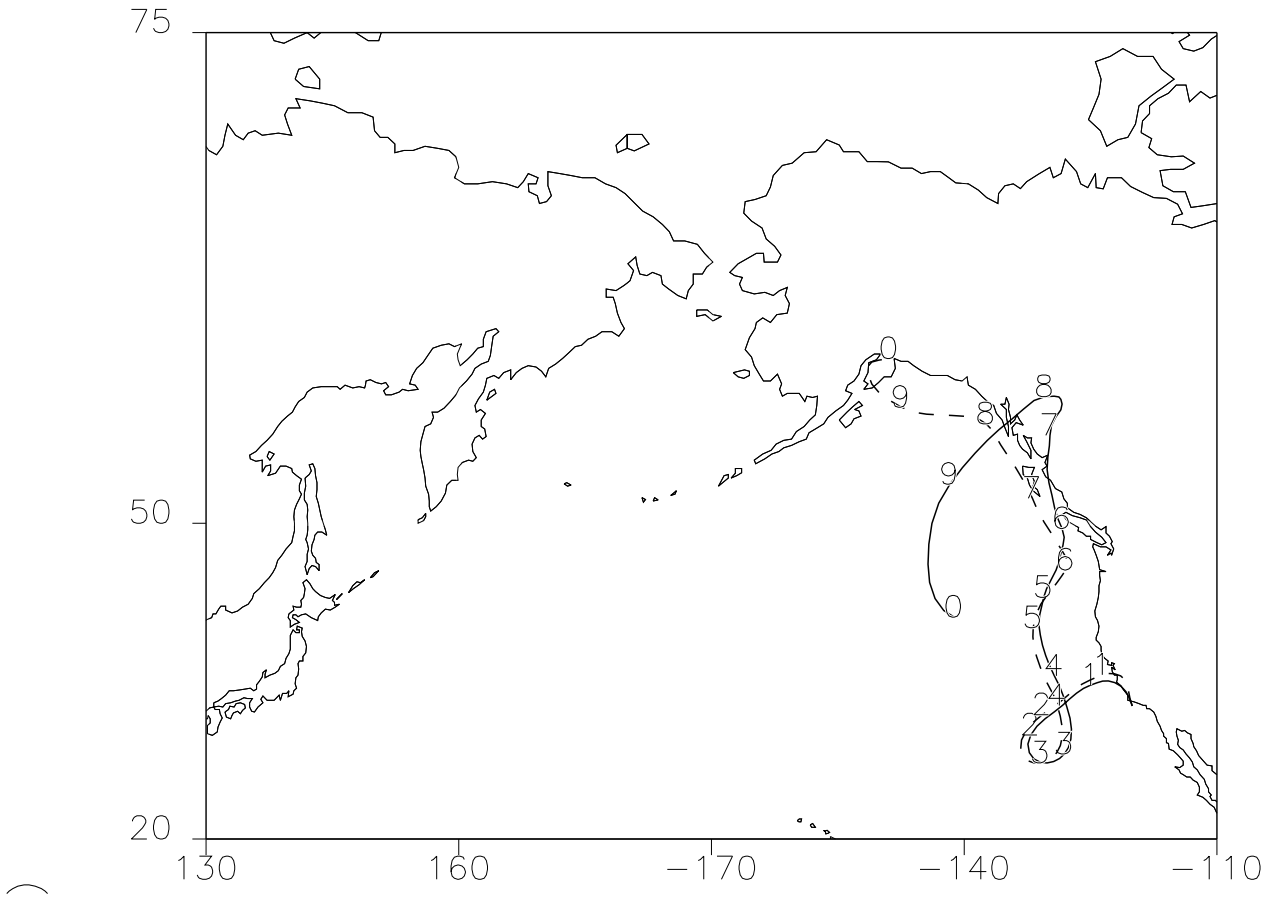
Day	km	hPa	C
0	0.3	986	15
1	0.2	1000	12
2	0.3	985	10
3	0.2	1000	9
4	0.1	1000	5
5	0.2	995	1
6	1.4	861	−18
7	0.8	931	−14
8	0.6	942	−10
9	1.1	889	−10
10	1.0	891	−8

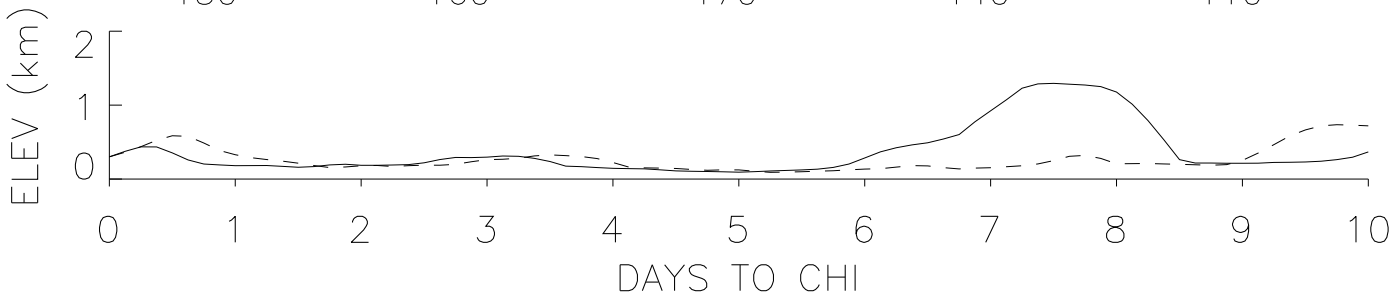
06UT

Day	km	hPa	C
0	0.3	987	14
1	0.2	1000	13
2	0.2	998	14
3	0.3	992	10
4	0.1	1000	8
5	0.1	1000	5
6	1.0	901	−10
7	0.9	908	−8
8	1.0	895	−2
9	0.3	1000	3
10	0.6	960	4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/11/2002 (Day of Year 70)
NCEP/NCAR Reanalysis 1 Data Set





12UT

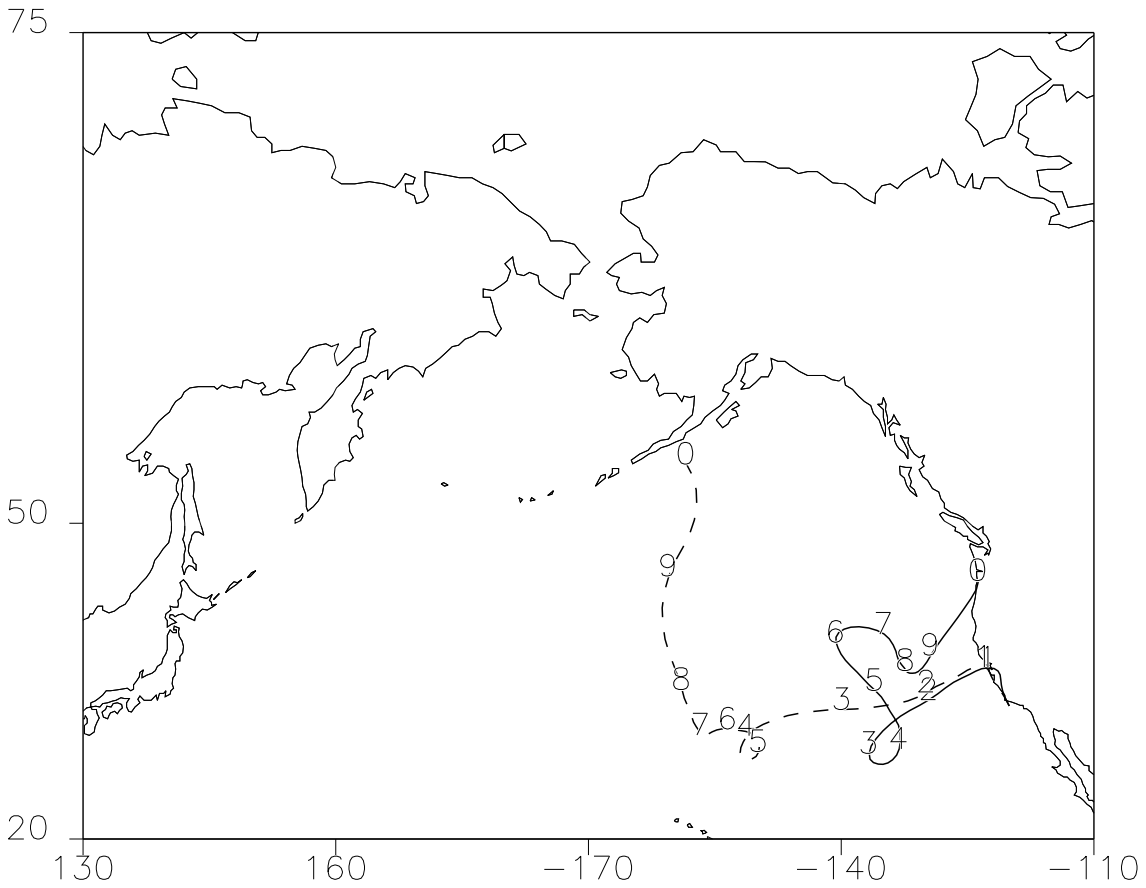
Day	km	hPa	C
0	0.3	985	13
1	0.2	1000	12
2	0.2	999	15
3	0.3	988	10
4	0.1	1000	10
5	0.1	1000	8
6	0.3	982	2
7	0.9	910	−7
8	1.2	884	−5
9	0.2	1000	3
10	0.4	987	7

18UT

Day	km	hPa	C
0	0.3	987	15
1	0.3	984	11
2	0.2	999	15
3	0.3	994	13
4	0.2	994	10
5	0.1	997	8
6	0.1	1000	6
7	0.2	1000	3
8	0.2	1000	0
9	0.3	988	0
10	0.7	934	−8

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/12/2002 (Day of Year 71)
NCEP/NCAR Reanalysis 1 Data Set

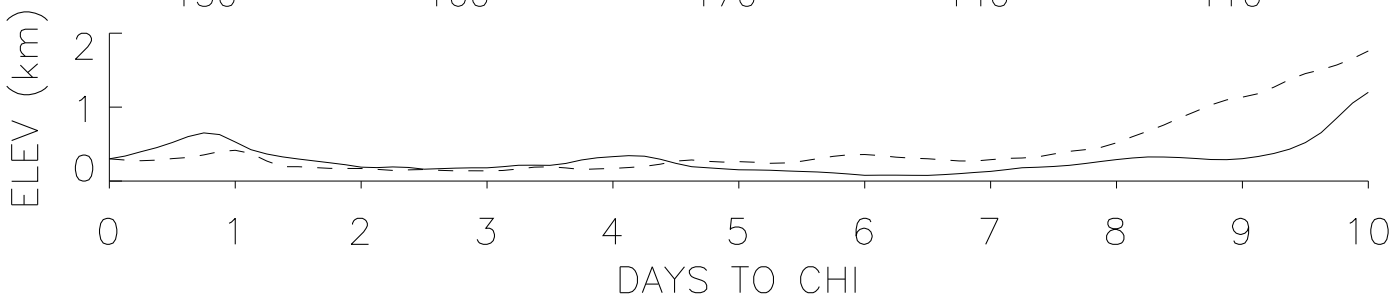


00UT

Day	km	hPa	C
0	0.3	984	17
1	0.5	960	11
2	0.2	995	13
3	0.2	1000	16
4	0.3	984	12
5	0.2	1000	11
6	0.1	1000	11
7	0.1	1000	10
8	0.3	990	11
9	0.3	988	10
10	1.2	886	1

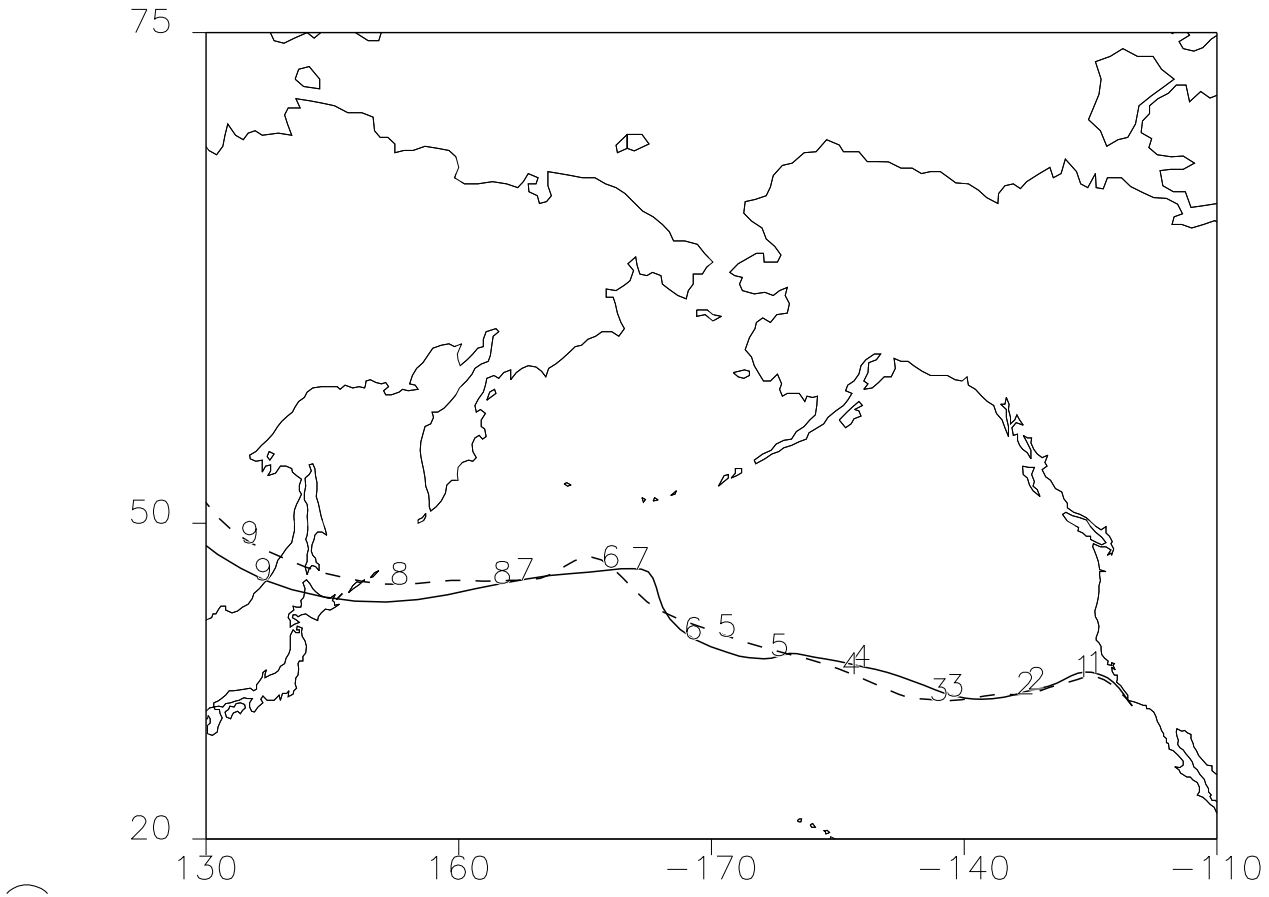
06UT

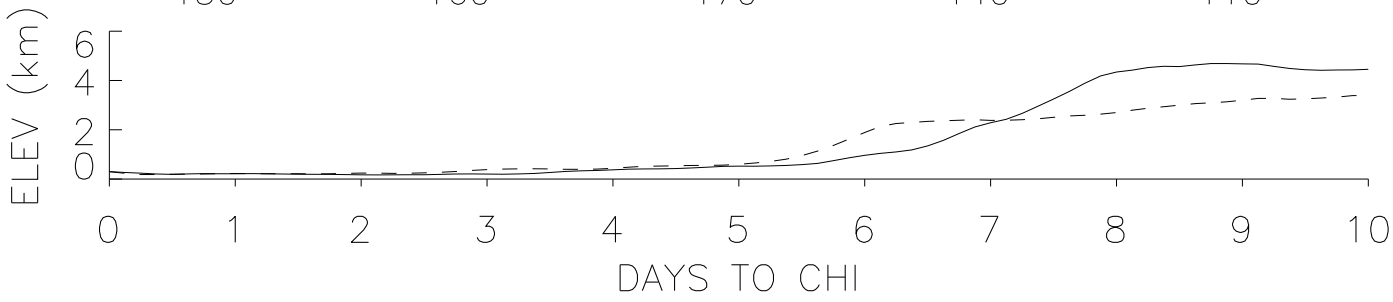
Day	km	hPa	C
0	0.3	986	15
1	0.4	975	10
2	0.2	1000	13
3	0.1	1000	15
4	0.2	1000	17
5	0.3	997	13
6	0.4	983	12
7	0.3	990	10
8	0.5	961	5
9	1.1	895	−4
10	1.8	820	−10



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/12/2002 (Day of Year 71)
NCEP/NCAR Reanalysis 1 Data Set





12UT

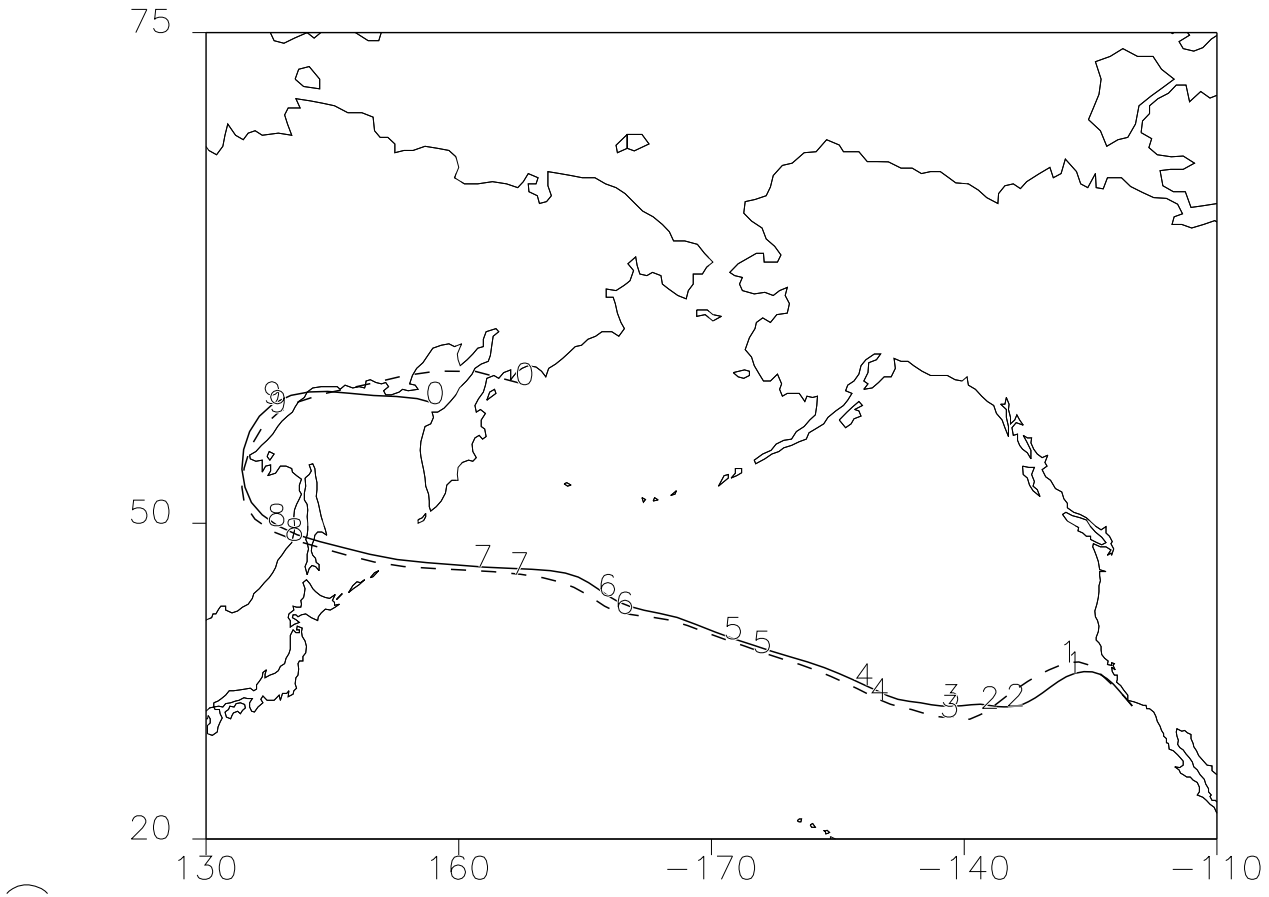
Day	km	hPa	C
0	0.3	983	14
1	0.2	999	11
2	0.2	1000	12
3	0.2	992	11
4	0.4	967	8
5	0.5	956	5
6	1.0	901	0
7	2.3	762	−13
8	4.3	567	−33
9	4.7	540	−35
10	4.5	561	−31

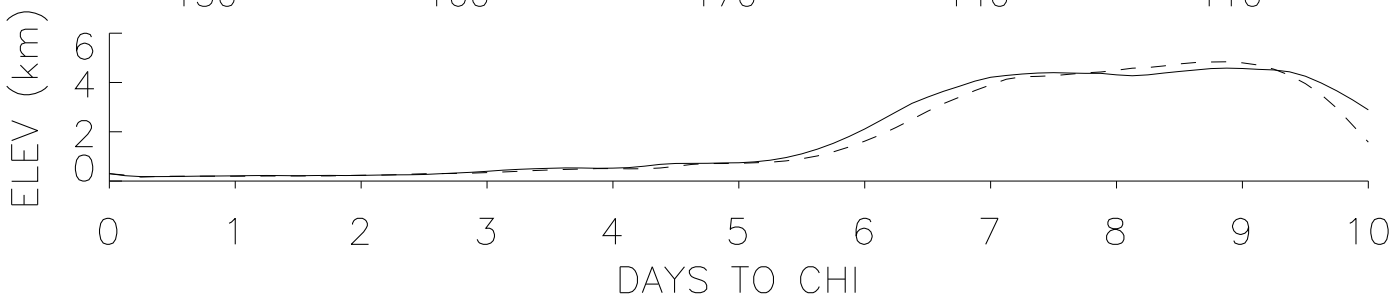
18UT

Day	km	hPa	C
0	0.3	984	15
1	0.2	1000	11
2	0.2	994	13
3	0.4	972	11
4	0.4	963	8
5	0.6	945	2
6	1.9	803	−12
7	2.4	744	−20
8	2.7	710	−26
9	3.2	660	−30
10	3.4	644	−30

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/13/2002 (Day of Year 72)
NCEP/NCAR Reanalysis 1 Data Set





00UT

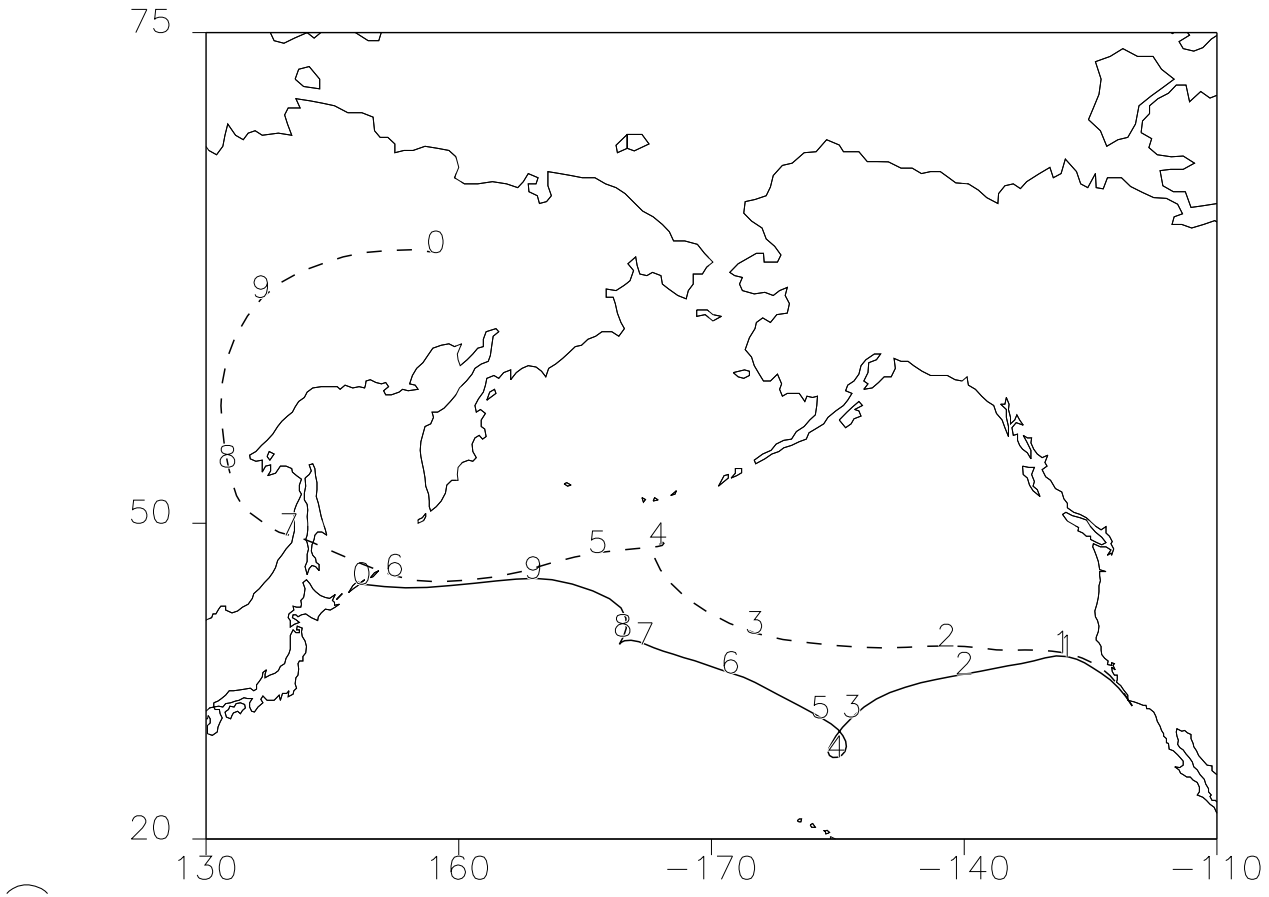
Day	km	hPa	C
0	0.3	982	16
1	0.2	1000	11
2	0.2	998	13
3	0.4	972	11
4	0.5	954	8
5	0.7	928	−1
6	2.1	782	−10
7	4.2	577	−33
8	4.3	560	−36
9	4.6	535	−40
10	2.9	682	−25

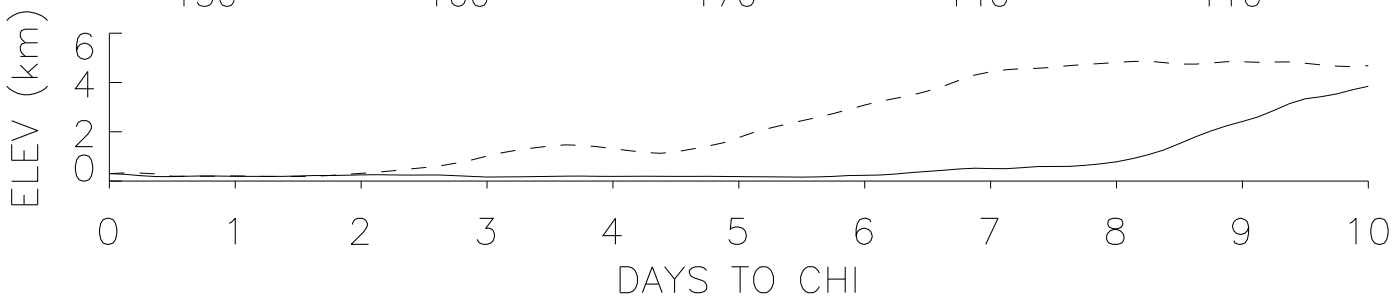
06UT

Day	km	hPa	C
0	0.3	983	13
1	0.2	1000	11
2	0.2	999	14
3	0.3	981	13
4	0.5	959	9
5	0.7	929	3
6	1.6	835	−6
7	3.9	608	−28
8	4.5	549	−35
9	4.8	517	−38
10	1.6	809	−9

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/13/2002 (Day of Year 72)
NCEP/NCAR Reanalysis 1 Data Set





12UT

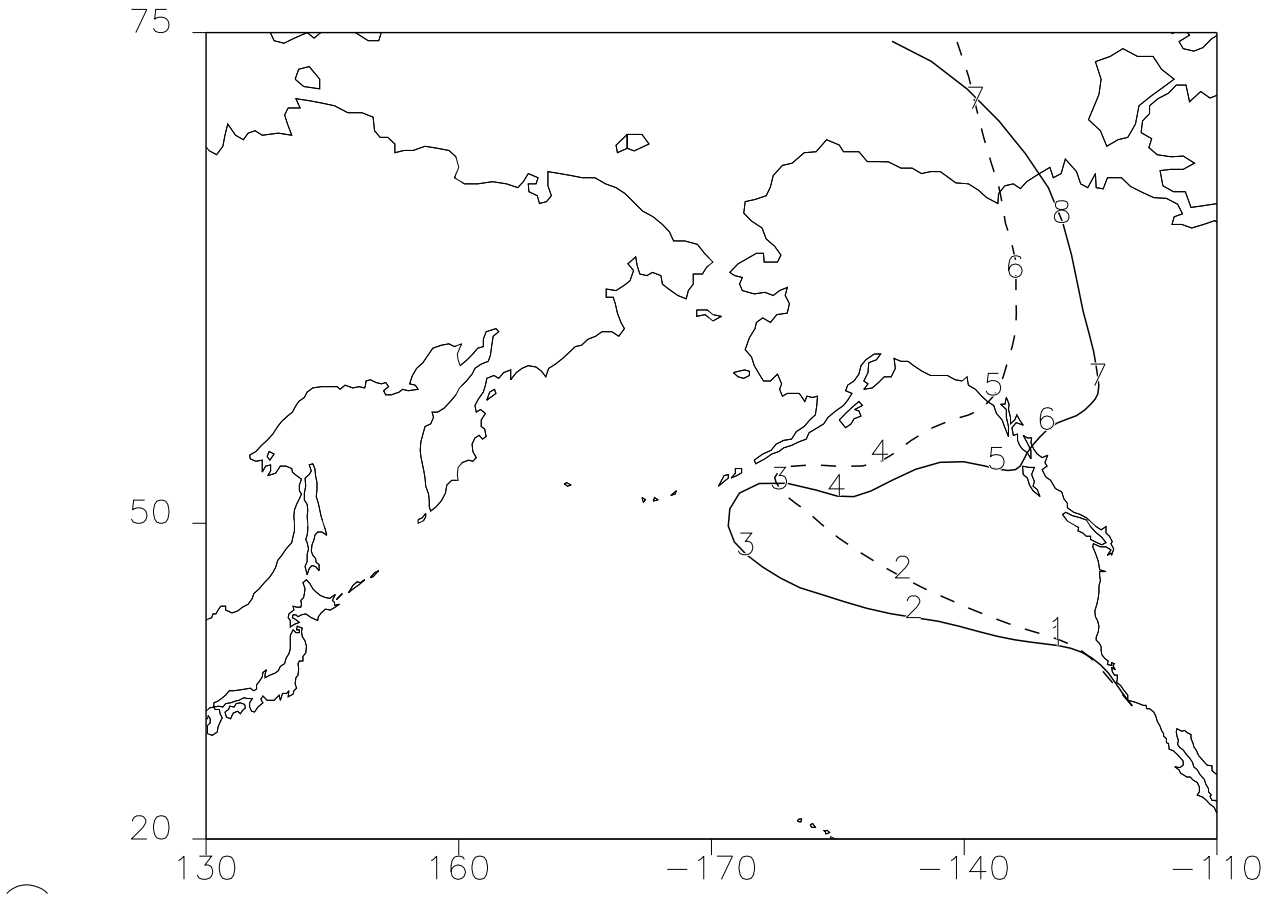
Day	km	hPa	C
0	0.3	982	11
1	0.2	1000	10
2	0.3	992	12
3	0.2	1000	16
4	0.2	1000	16
5	0.2	1000	14
6	0.2	994	7
7	0.5	958	4
8	0.8	927	−3
9	2.4	741	−20
10	3.8	602	−34

18UT

Day	km	hPa	C
0	0.3	984	11
1	0.2	1000	9
2	0.3	982	7
3	1.0	890	−2
4	1.3	839	−7
5	1.8	795	−12
6	3.1	667	−24
7	4.4	552	−34
8	4.8	527	−36
9	4.8	527	−34
10	4.7	541	−31

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/14/2002 (Day of Year 73)
NCEP/NCAR Reanalysis 1 Data Set

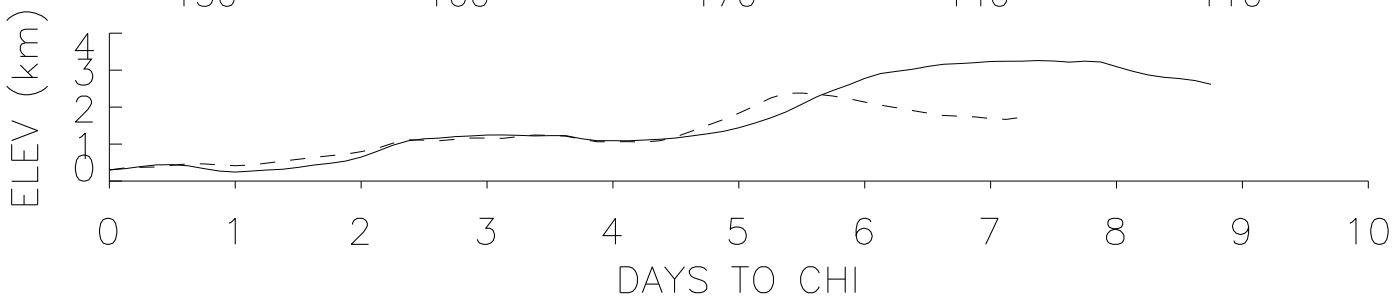


00UT

Day	km	hPa	C
0	0.3	983	10
1	0.2	994	7
2	0.6	941	1
3	1.2	856	−7
4	1.1	872	−8
5	1.4	845	−16
6	2.8	708	−27
7	3.2	667	−29
8	3.1	688	−27

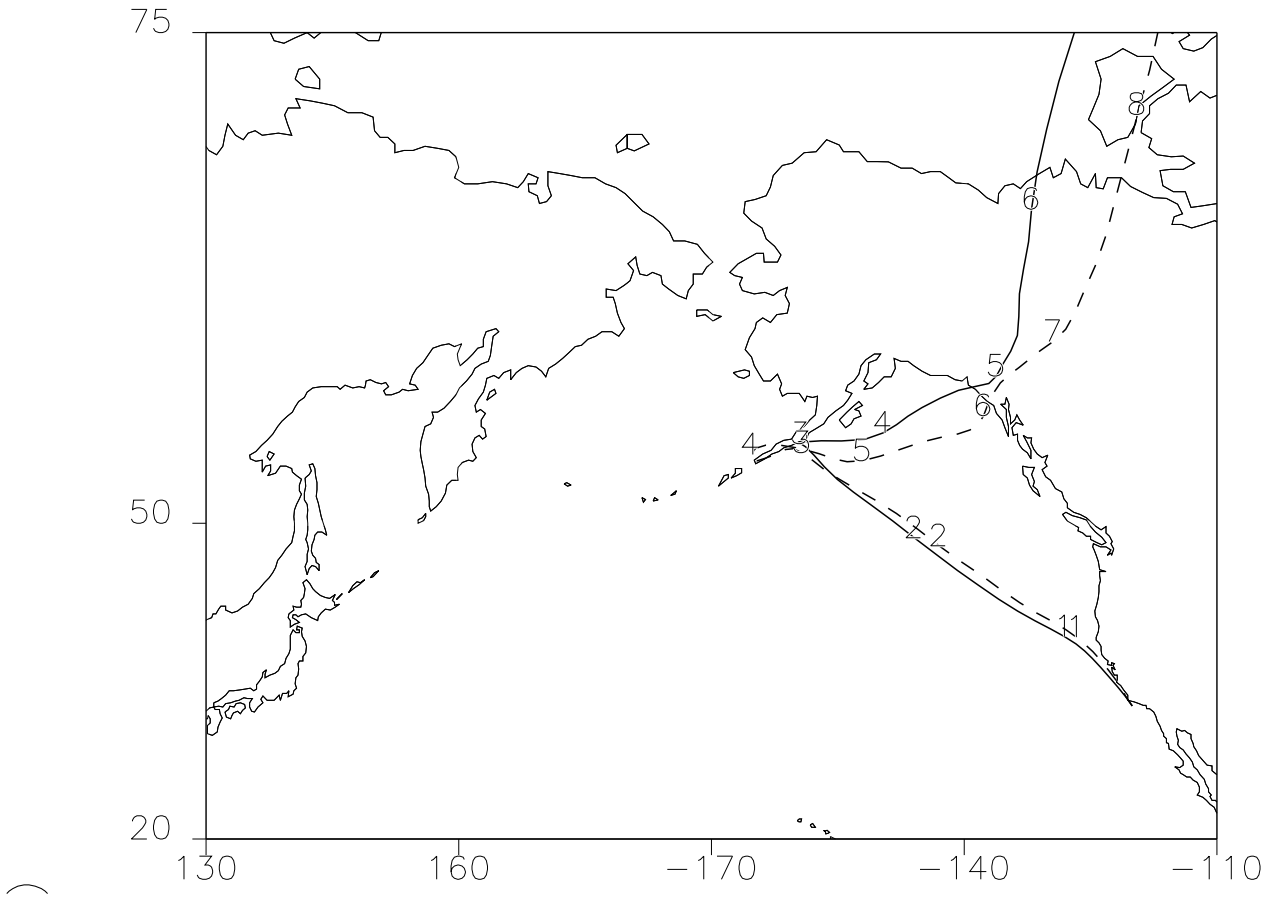
06UT

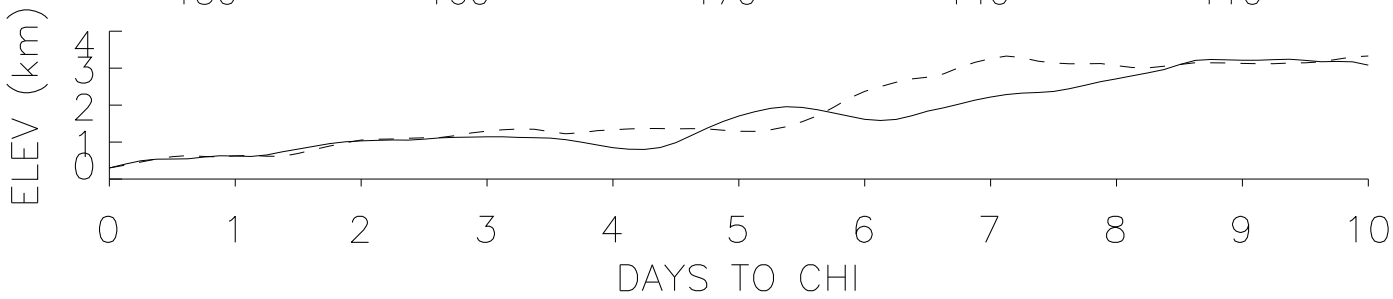
Day	km	hPa	C
0	0.3	985	9
1	0.4	975	5
2	0.8	922	−4
3	1.2	861	−8
4	1.1	874	−9
5	1.8	803	−20
6	2.1	779	−21
7	1.7	831	−16



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/14/2002 (Day of Year 73)
NCEP/NCAR Reanalysis 1 Data Set





12UT

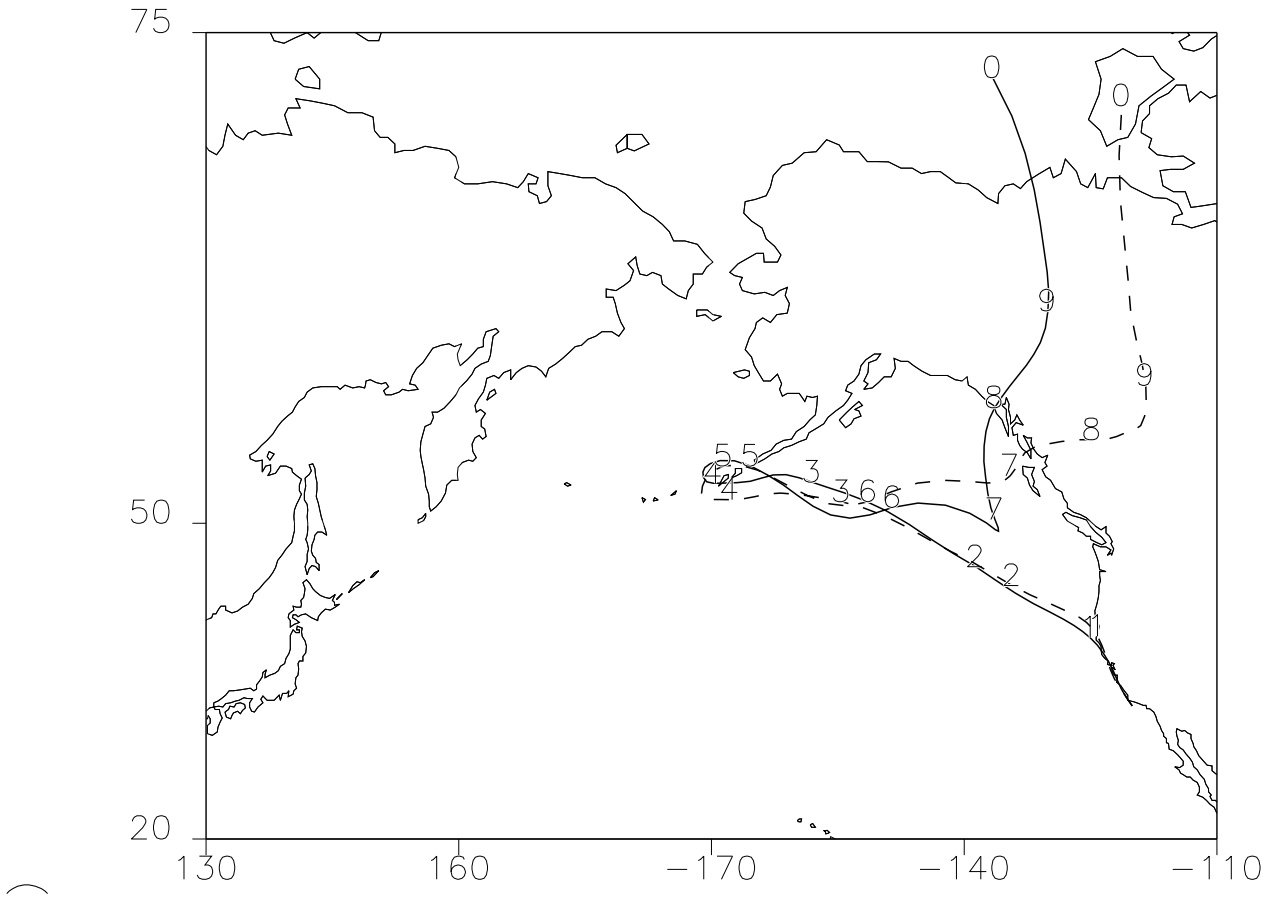
Day	km	hPa	C
0	0.3	984	7
1	0.6	950	3
2	1.0	891	−6
3	1.1	864	−10
4	0.8	896	−8
5	1.7	818	−23
6	1.6	833	−18
7	2.2	757	−24
8	2.7	696	−25
9	3.2	646	−28
10	3.1	658	−27

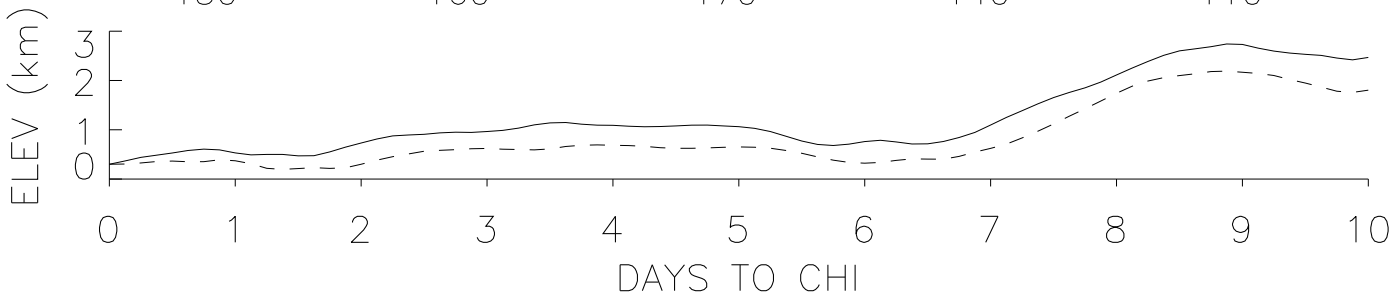
18UT

Day	km	hPa	C
0	0.3	985	8
1	0.6	951	4
2	1.1	891	−5
3	1.3	851	−9
4	1.3	838	−12
5	1.3	856	−11
6	2.4	750	−20
7	3.3	664	−29
8	3.1	672	−28
9	3.1	661	−30
10	3.3	646	−28

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/15/2002 (Day of Year 74)
NCEP/NCAR Reanalysis 1 Data Set





00UT

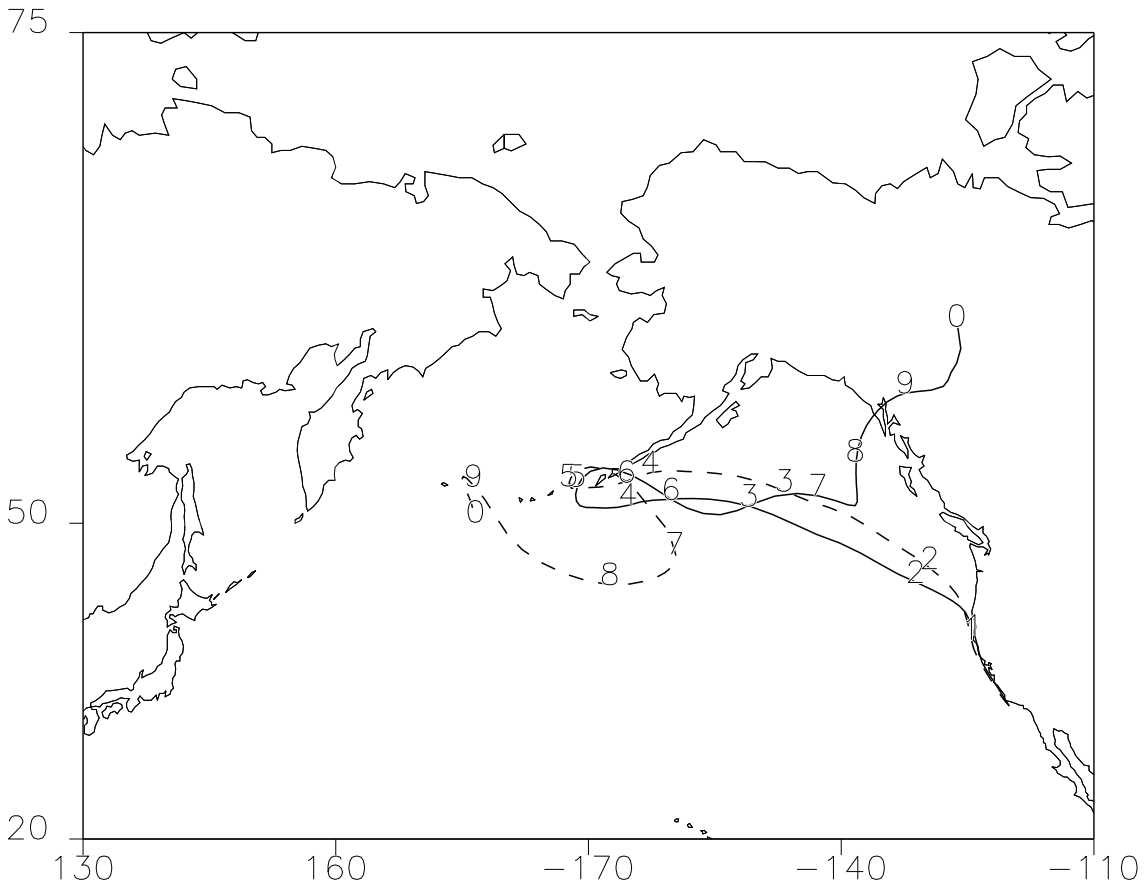
Day	km	hPa	C
0	0.3	982	9
1	0.5	960	5
2	0.7	931	−2
3	1.0	893	−7
4	1.1	870	−7
5	1.1	872	−7
6	0.8	912	−3
7	1.1	889	−8
8	2.1	781	−18
9	2.7	726	−24
10	2.5	752	−21

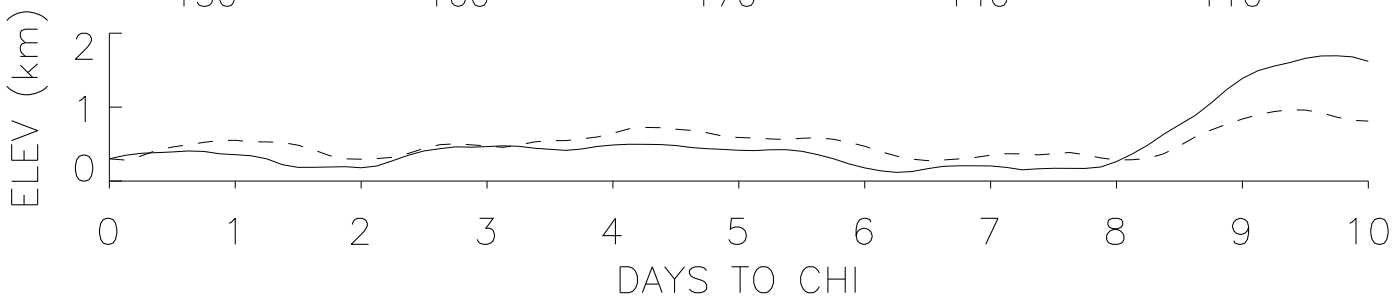
06UT

Day	km	hPa	C
0	0.3	984	9
1	0.4	980	5
2	0.3	984	4
3	0.6	938	−3
4	0.7	918	−3
5	0.7	917	−4
6	0.3	965	−1
7	0.6	944	−9
8	1.7	813	−22
9	2.2	775	−26
10	1.8	811	−23

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/15/2002 (Day of Year 74)
NCEP/NCAR Reanalysis 1 Data Set





12UT

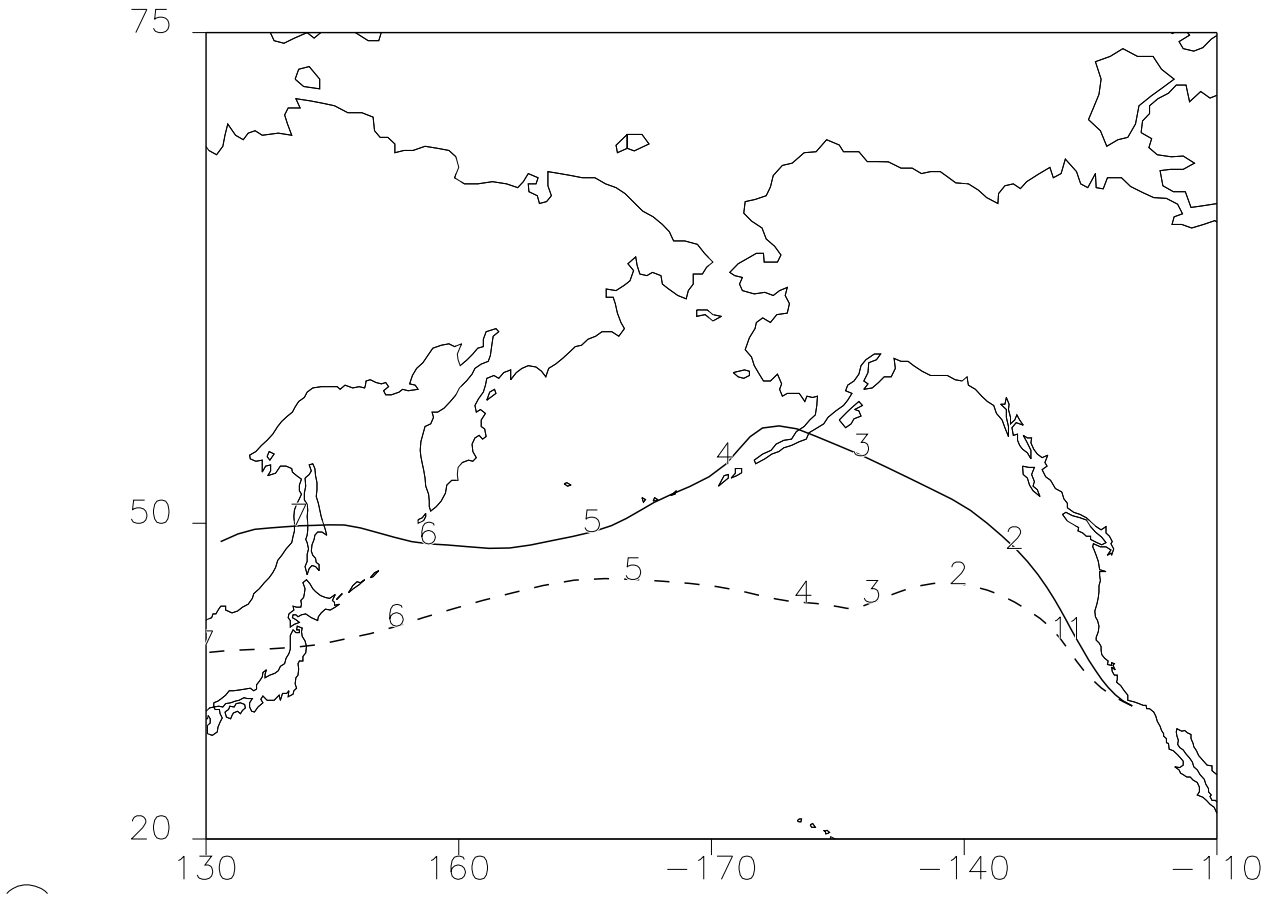
Day	km	hPa	C
0	0.3	984	7
1	0.4	983	4
2	0.2	998	5
3	0.5	958	−2
4	0.5	943	−2
5	0.4	946	−2
6	0.2	978	1
7	0.2	988	2
8	0.3	989	−2
9	1.4	865	−21
10	1.6	840	−25

18UT

Day	km	hPa	C
0	0.3	984	9
1	0.6	962	4
2	0.3	984	4
3	0.5	953	0
4	0.6	926	−4
5	0.6	927	−3
6	0.5	941	−2
7	0.3	961	2
8	0.3	969	1
9	0.8	915	−6
10	0.8	919	−5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/16/2002 (Day of Year 75)
NCEP/NCAR Reanalysis 1 Data Set

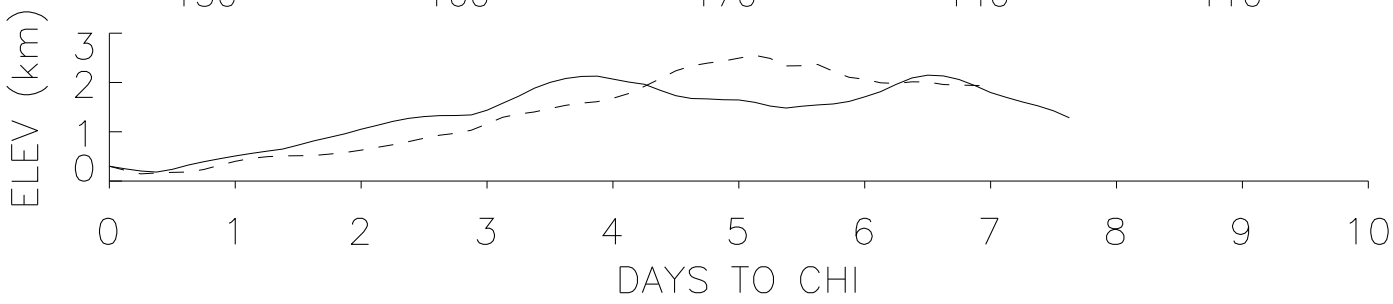


00UT

Day	km	hPa	C
0	0.3	980	9
1	0.5	966	5
2	1.1	903	−3
3	1.4	843	−8
4	2.1	769	−12
5	1.6	812	−11
6	1.7	800	−13
7	1.8	795	−12

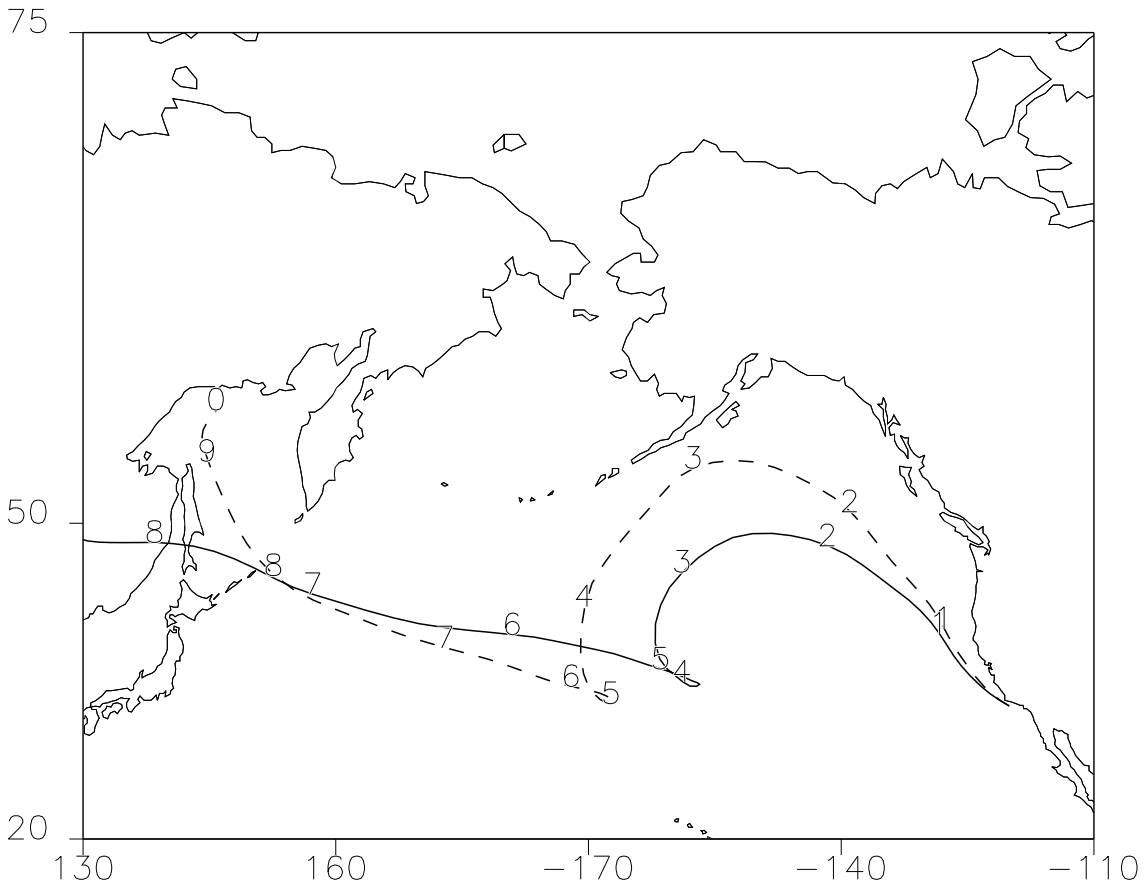
06UT

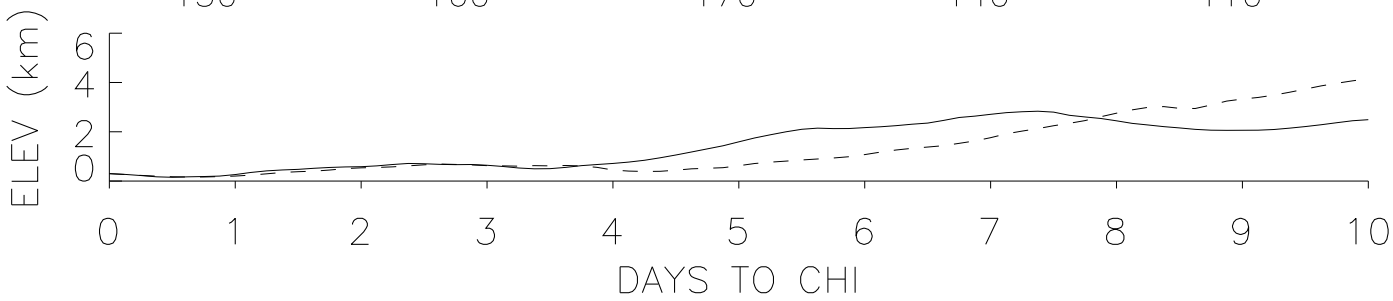
Day	km	hPa	C
0	0.3	982	9
1	0.4	978	7
2	0.6	960	3
3	1.2	896	0
4	1.7	834	−3
5	2.5	738	−8
6	2.1	777	−3
7	1.9	803	0



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/16/2002 (Day of Year 75)
NCEP/NCAR Reanalysis 1 Data Set





12UT

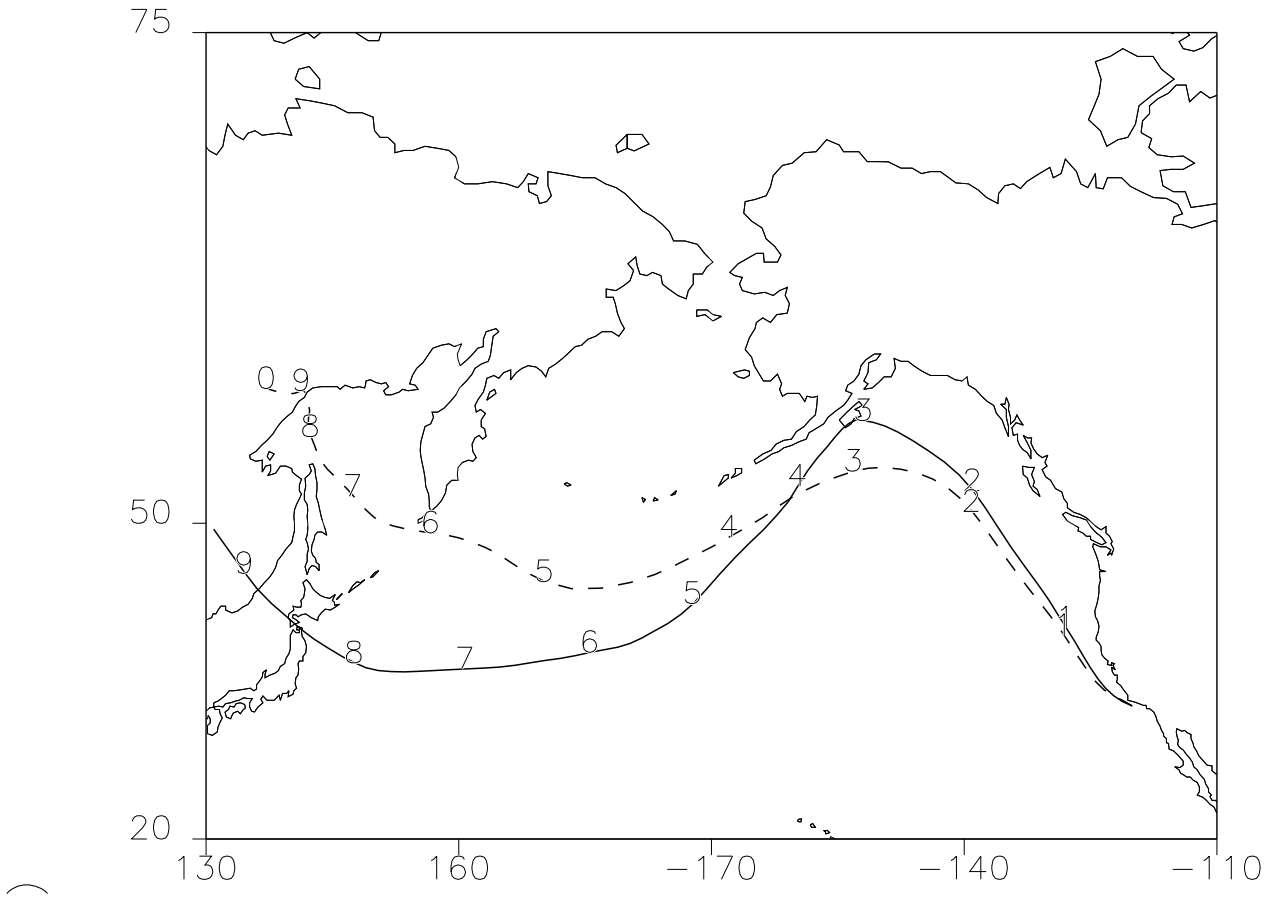
Day	km	hPa	C
0	0.3	982	7
1	0.3	991	7
2	0.6	961	2
3	0.6	944	4
4	0.7	946	5
5	1.6	844	−1
6	2.2	771	−10
7	2.7	709	−18
8	2.4	736	−15
9	2.1	776	−12
10	2.5	737	−14

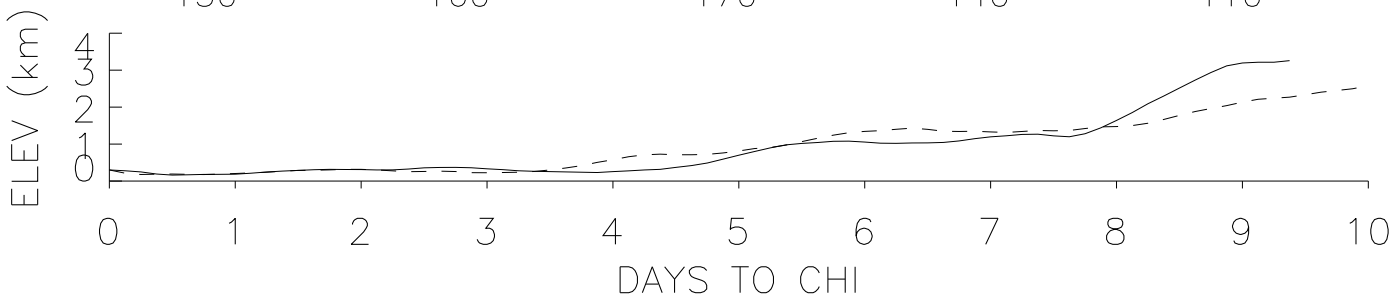
18UT

Day	km	hPa	C
0	0.3	984	8
1	0.2	999	6
2	0.5	962	1
3	0.6	935	1
4	0.4	953	7
5	0.6	954	7
6	1.1	896	2
7	1.8	809	−10
8	2.8	699	−24
9	3.3	642	−32
10	4.2	572	−38

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/17/2002 (Day of Year 76)
NCEP/NCAR Reanalysis 1 Data Set





00UT

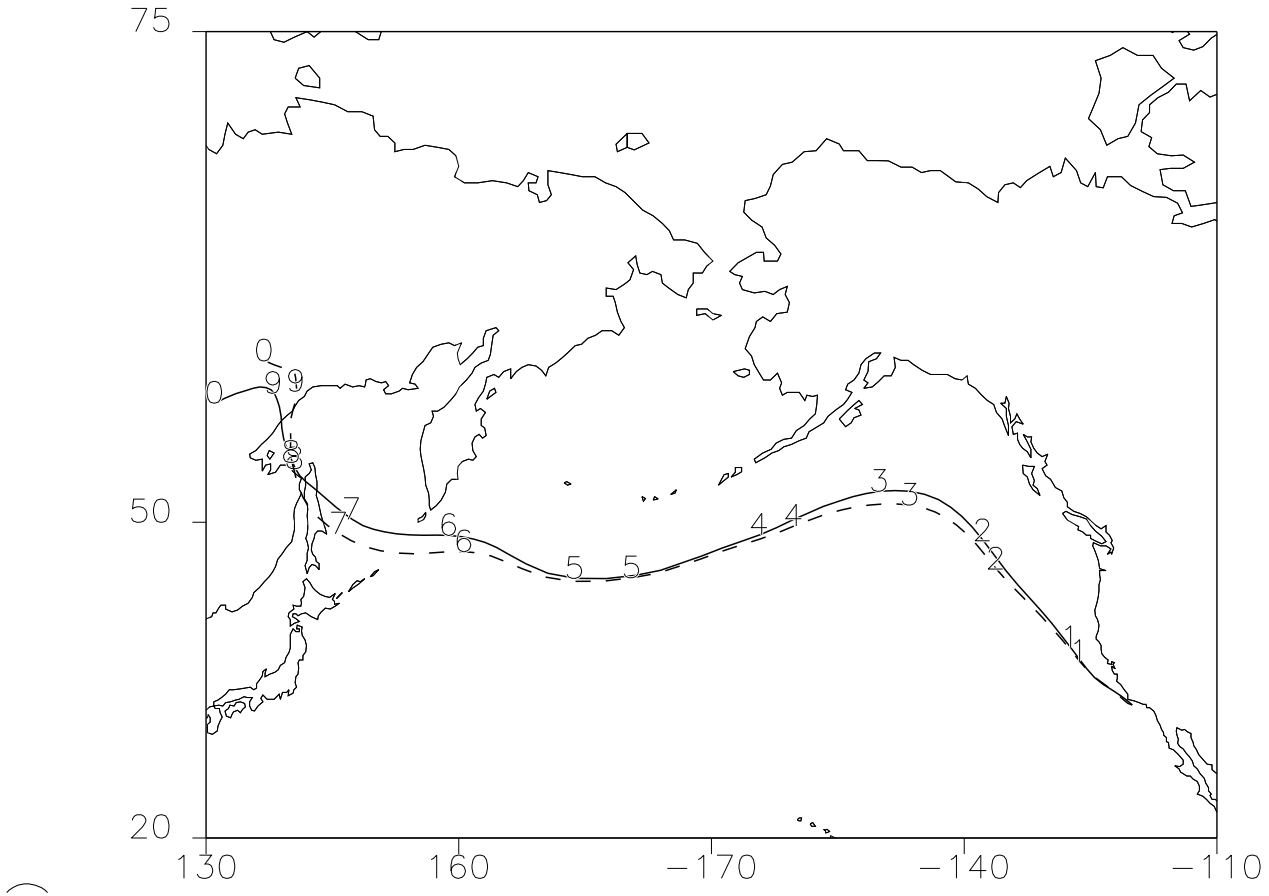
Day	km	hPa	C
0	0.3	984	10
1	0.2	1000	6
2	0.3	990	3
3	0.3	970	−1
4	0.3	983	4
5	0.7	936	5
6	1.1	898	3
7	1.2	880	−2
8	1.6	833	−7
9	3.2	669	−20

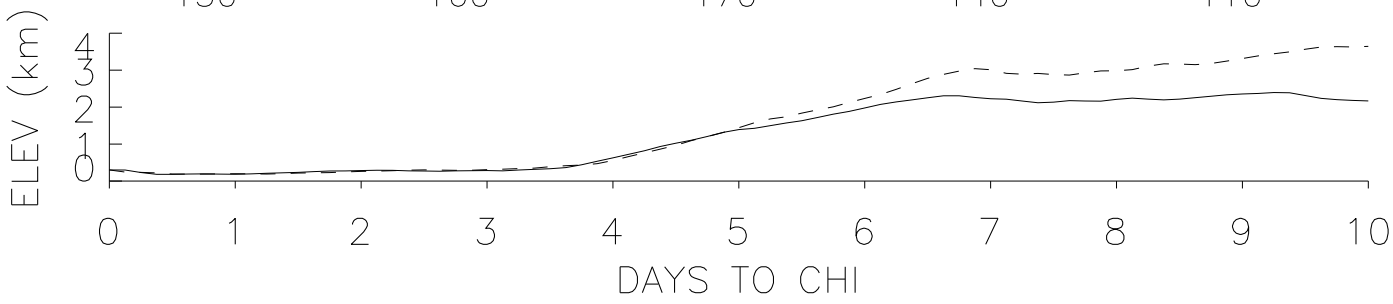
06UT

Day	km	hPa	C
0	0.3	986	9
1	0.2	999	7
2	0.3	994	4
3	0.2	996	1
4	0.6	936	2
5	0.8	893	−6
6	1.3	834	−15
7	1.3	837	−15
8	1.5	823	−16
9	2.1	756	−22
10	2.6	716	−27

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/17/2002 (Day of Year 76)
NCEP/NCAR Reanalysis 1 Data Set





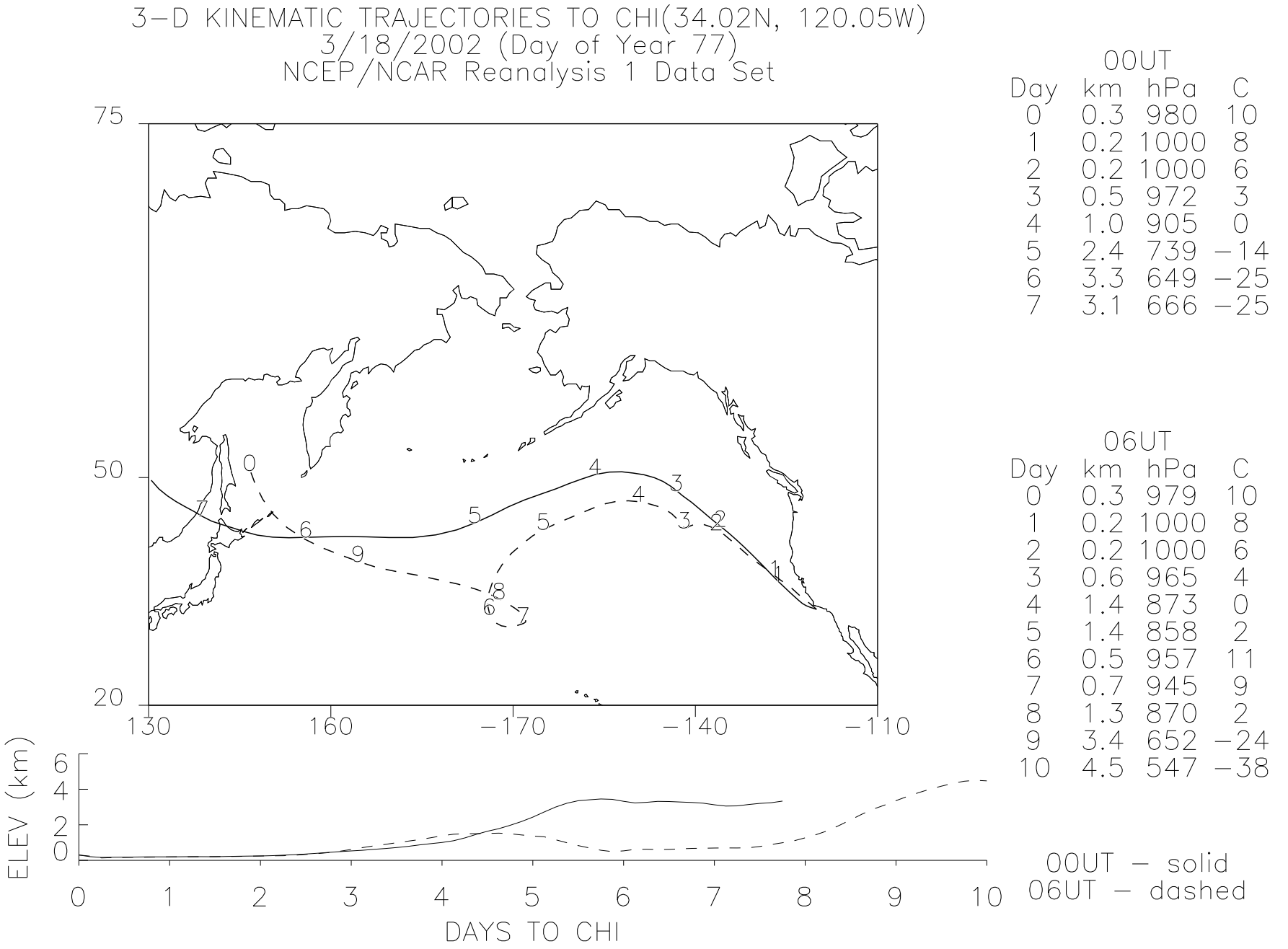
12UT

Day	km	hPa	C
0	0.3	985	8
1	0.2	1000	7
2	0.3	998	4
3	0.3	996	0
4	0.6	936	2
5	1.4	828	−10
6	2.0	769	−19
7	2.2	743	−22
8	2.2	749	−20
9	2.4	733	−21
10	2.2	756	−19

18UT

Day	km	hPa	C
0	0.3	984	10
1	0.2	1000	8
2	0.3	1000	6
3	0.3	996	2
4	0.6	952	2
5	1.4	831	−9
6	2.2	744	−20
7	3.0	668	−27
8	3.0	673	−25
9	3.3	643	−25
10	3.6	613	−30

12UT – solid
18UT – dashed



00UT

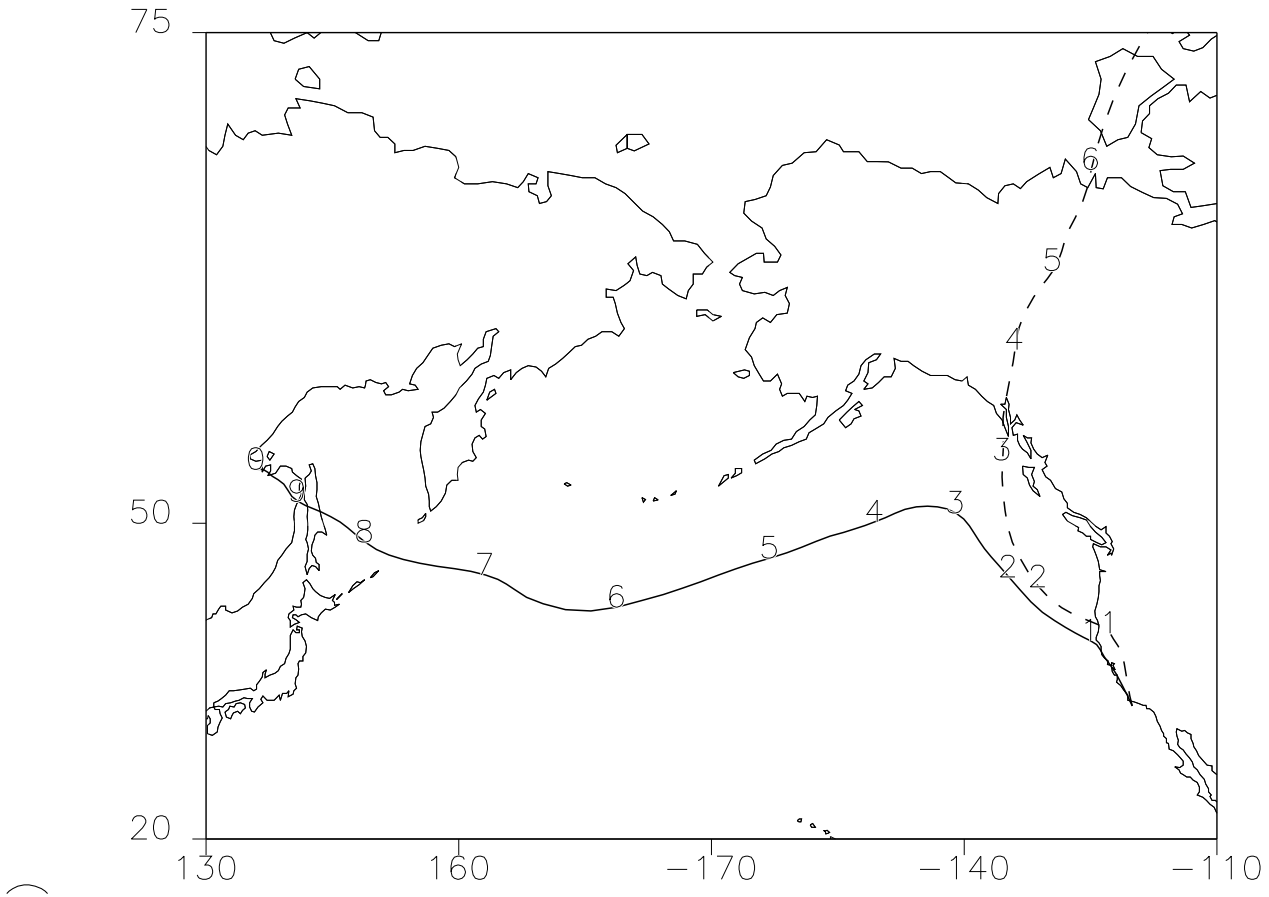
Day	km	hPa	C
0	0.3	980	10
1	0.2	1000	8
2	0.2	1000	6
3	0.5	972	3
4	1.0	905	0
5	2.4	739	-14
6	3.3	649	-25
7	3.1	666	-25

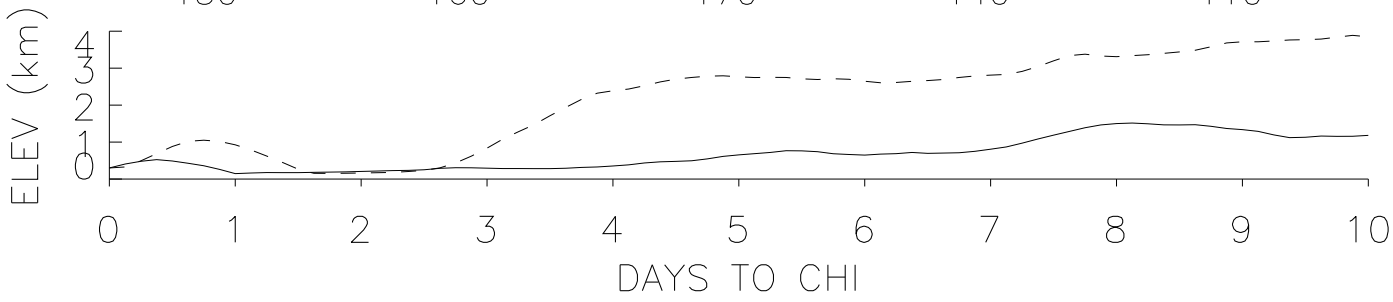
06UT

Day	km	hPa	C
0	0.3	979	10
1	0.2	1000	8
2	0.2	1000	6
3	0.6	965	4
4	1.4	873	0
5	1.4	858	2
6	0.5	957	11
7	0.7	945	9
8	1.3	870	2
9	3.4	652	-24
10	4.5	547	-38

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/18/2002 (Day of Year 77)
NCEP/NCAR Reanalysis 1 Data Set





12UT

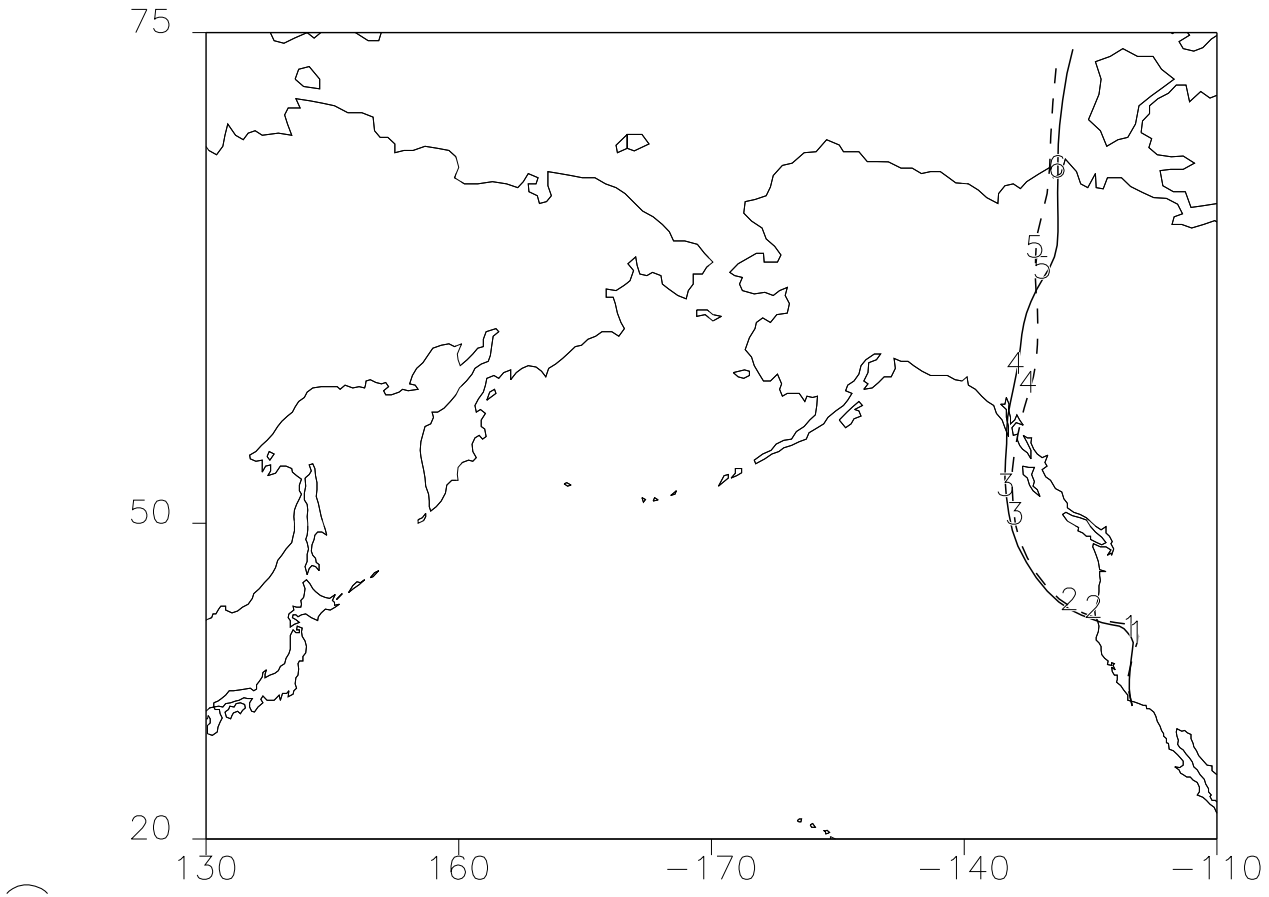
Day	km	hPa	C
0	0.3	980	7
1	0.1	1000	5
2	0.2	1000	6
3	0.3	997	5
4	0.4	990	2
5	0.7	937	3
6	0.6	919	0
7	0.8	901	−6
8	1.5	821	−15
9	1.3	843	−14
10	1.2	862	−13

18UT

Day	km	hPa	C
0	0.3	983	10
1	0.9	908	−2
2	0.2	1000	6
3	0.8	925	−7
4	2.4	747	−22
5	2.8	706	−23
6	2.6	714	−23
7	2.8	701	−25
8	3.3	652	−28
9	3.7	607	−29
10	3.8	590	−31

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/19/2002 (Day of Year 78)
NCEP/NCAR Reanalysis 1 Data Set

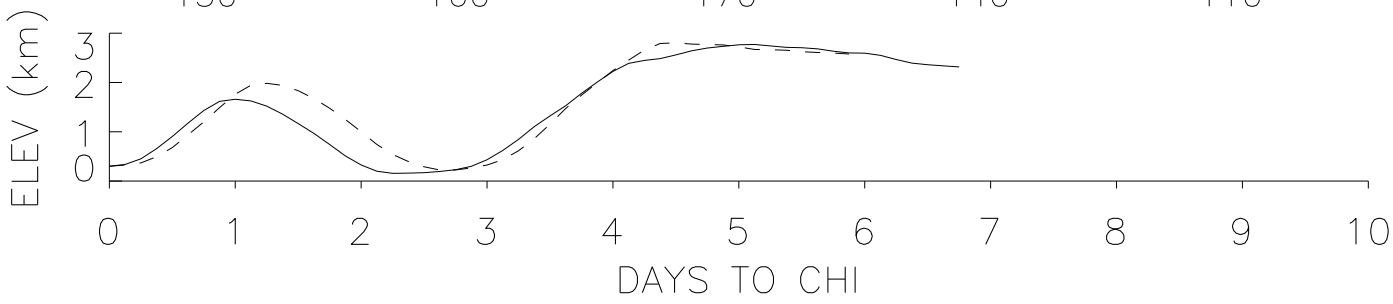


00UT

Day	km	hPa	C
0	0.3	983	12
1	1.7	826	−4
2	0.3	978	3
3	0.4	972	0
4	2.2	767	−21
5	2.8	708	−22
6	2.6	723	−21

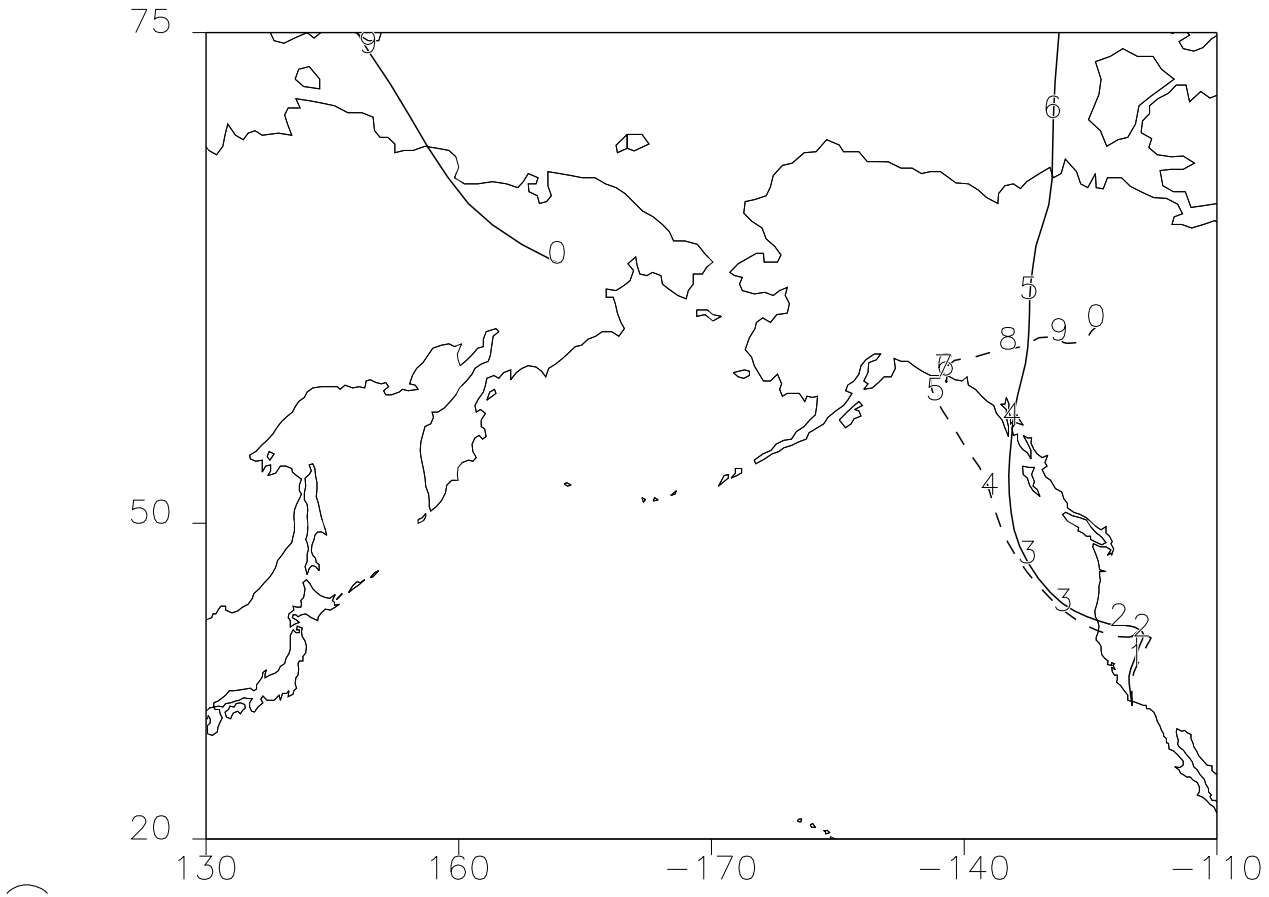
06UT

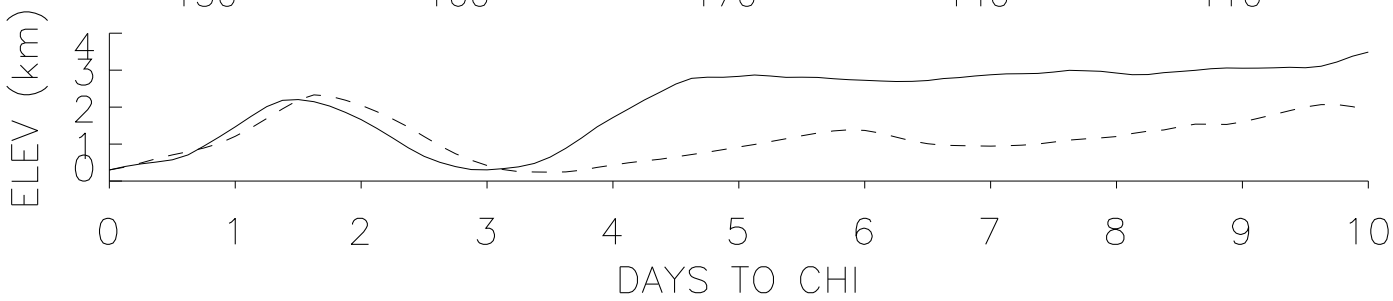
Day	km	hPa	C
0	0.3	987	10
1	1.8	818	−7
2	1.0	899	−3
3	0.3	983	3
4	2.2	764	−19
5	2.7	713	−21



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/19/2002 (Day of Year 78)
NCEP/NCAR Reanalysis 1 Data Set





12UT

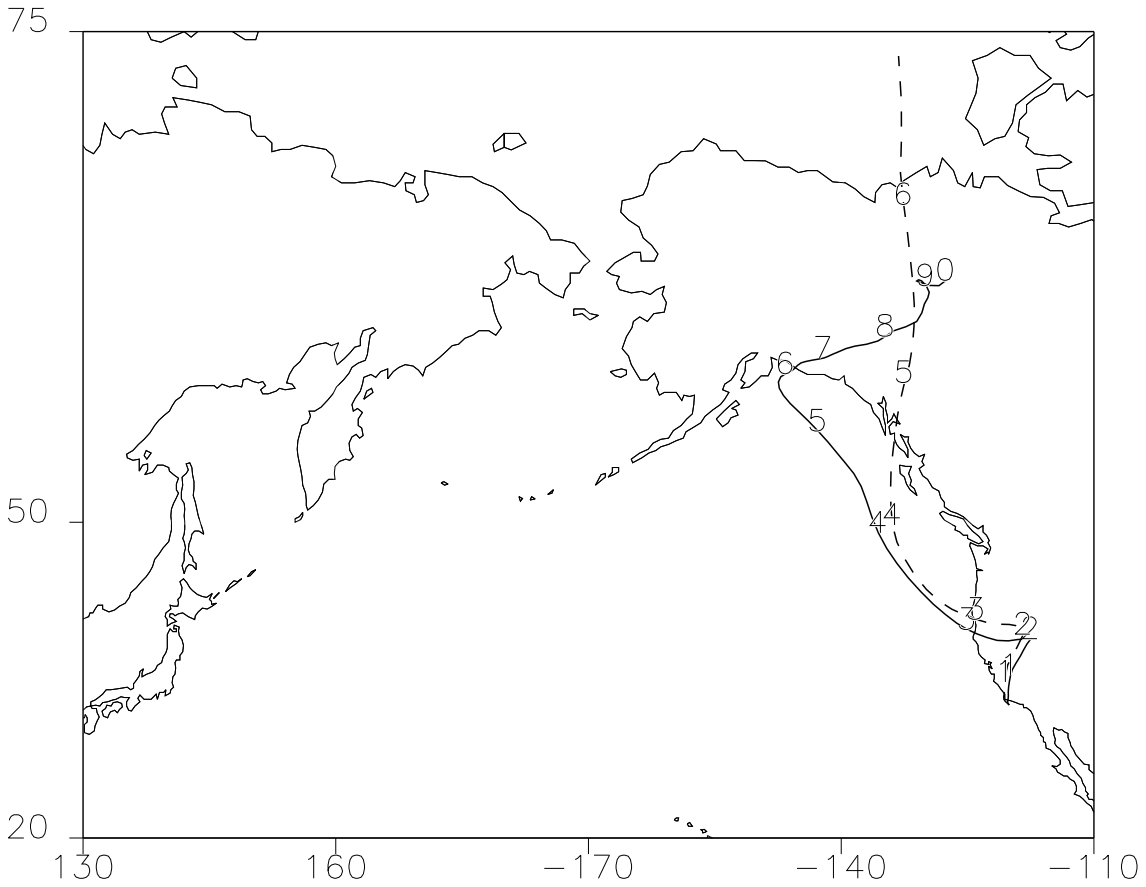
Day	km	hPa	C
0	0.3	986	9
1	1.5	851	−7
2	1.7	824	−7
3	0.3	984	4
4	1.7	823	−14
5	2.8	702	−22
6	2.7	709	−21
7	2.9	690	−24
8	2.9	685	−24
9	3.1	675	−22
10	3.5	642	−19

18UT

Day	km	hPa	C
0	0.3	987	13
1	1.2	882	1
2	2.1	786	−9
3	0.4	969	3
4	0.4	975	1
5	0.9	912	−8
6	1.4	848	−15
7	0.9	885	−14
8	1.2	857	−23
9	1.6	830	−27
10	1.9	796	−30

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/20/2002 (Day of Year 79)
NCEP/NCAR Reanalysis 1 Data Set

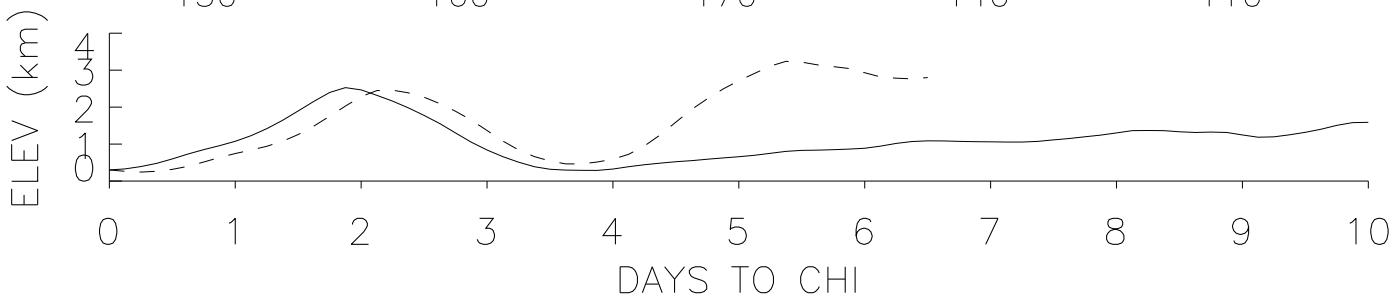


00UT

Day	km	hPa	C
0	0.3	985	16
1	1.1	896	7
2	2.5	745	−11
3	0.8	919	−1
4	0.3	986	4
5	0.7	947	−2
6	0.9	903	−9
7	1.1	877	−14
8	1.3	849	−22
9	1.2	868	−19
10	1.6	837	−26

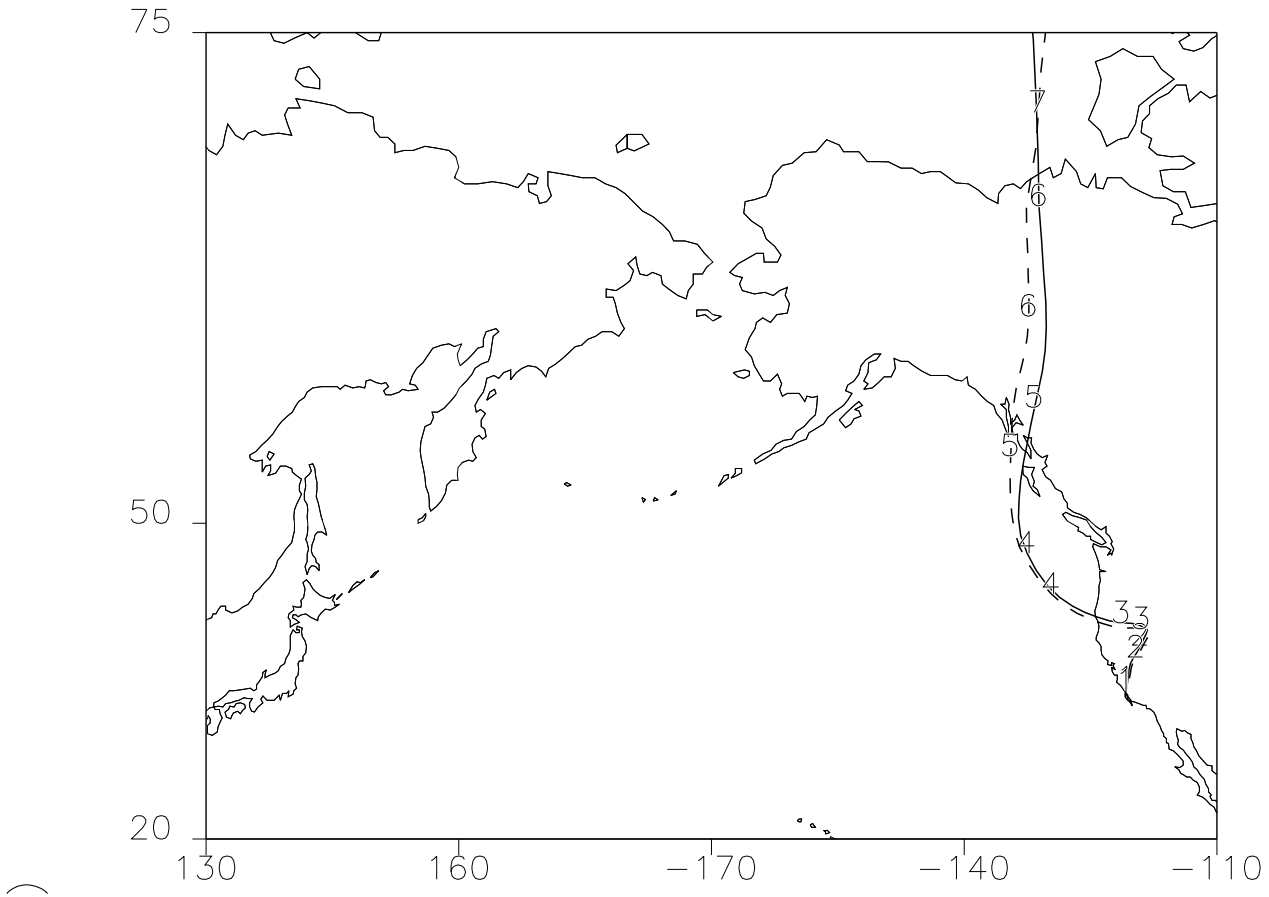
06UT

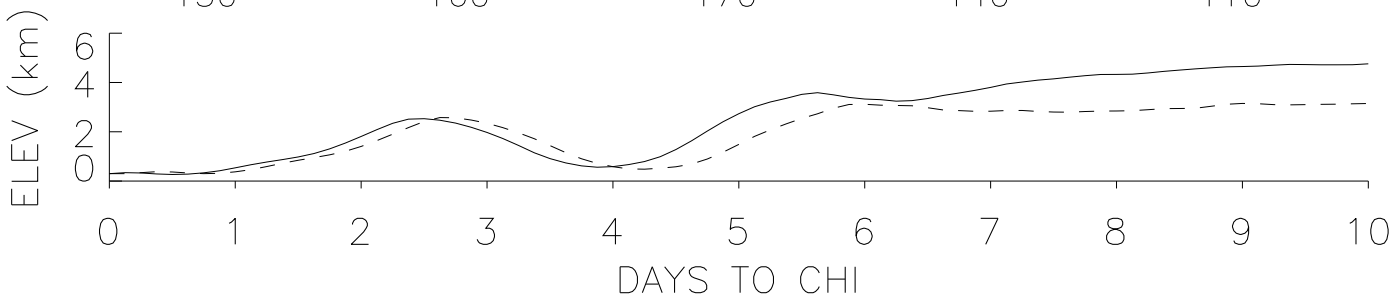
Day	km	hPa	C
0	0.3	986	14
1	0.7	936	7
2	2.3	765	−11
3	1.4	858	−6
4	0.6	951	0
5	2.7	717	−20
6	2.9	694	−21



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/20/2002 (Day of Year 79)
NCEP/NCAR Reanalysis 1 Data Set





12UT

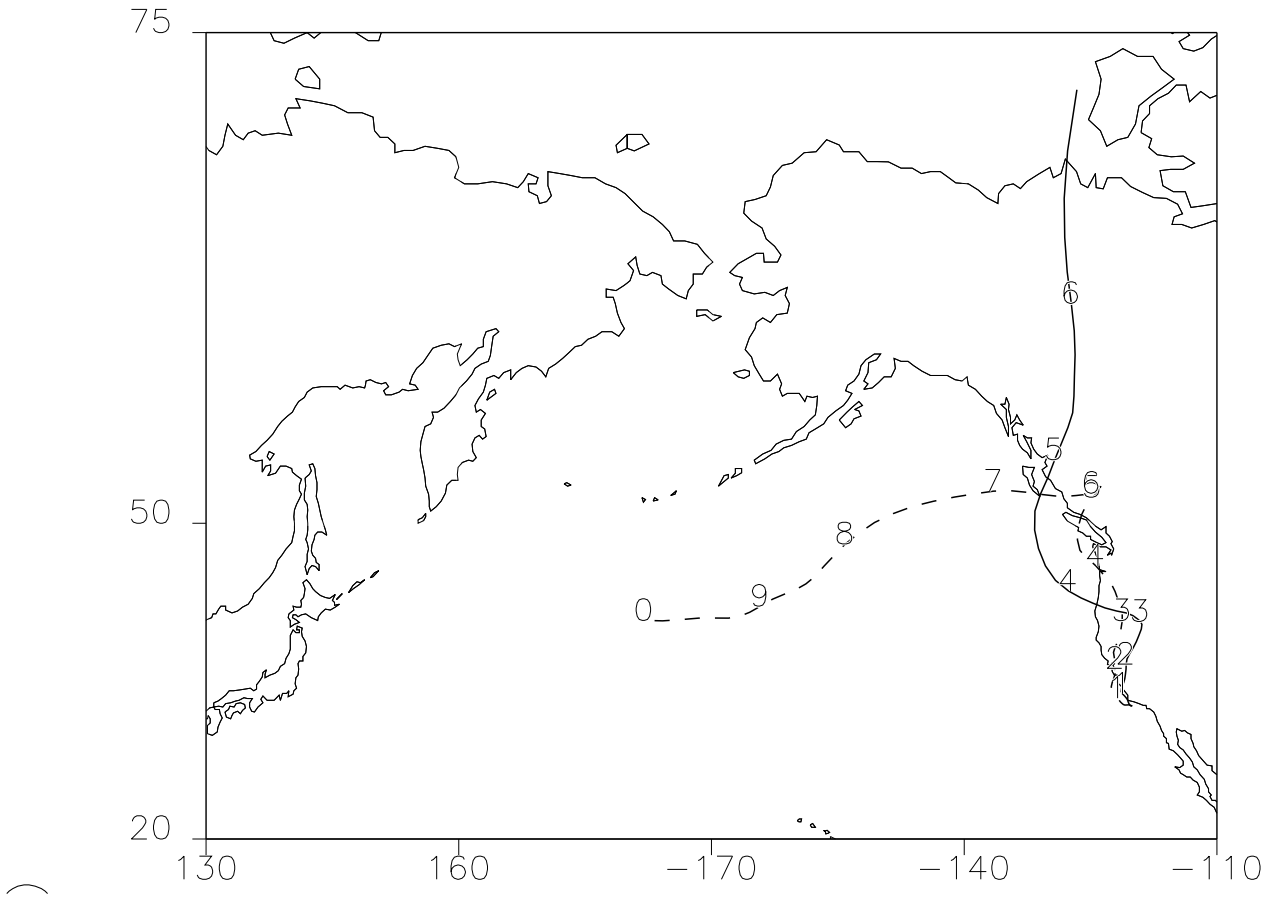
Day	km	hPa	C
0	0.3	985	13
1	0.5	960	6
2	1.8	814	−10
3	2.0	791	−10
4	0.6	949	0
5	2.7	718	−21
6	3.3	656	−24
7	3.8	608	−29
8	4.3	557	−33
9	4.6	529	−33
10	4.8	524	−31

18UT

Day	km	hPa	C
0	0.3	985	16
1	0.4	979	13
2	1.4	861	−2
3	2.3	756	−12
4	0.6	948	1
5	1.5	850	−8
6	3.1	677	−23
7	2.8	702	−21
8	2.8	692	−24
9	3.2	661	−25
10	3.1	662	−24

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/21/2002 (Day of Year 80)
NCEP/NCAR Reanalysis 1 Data Set

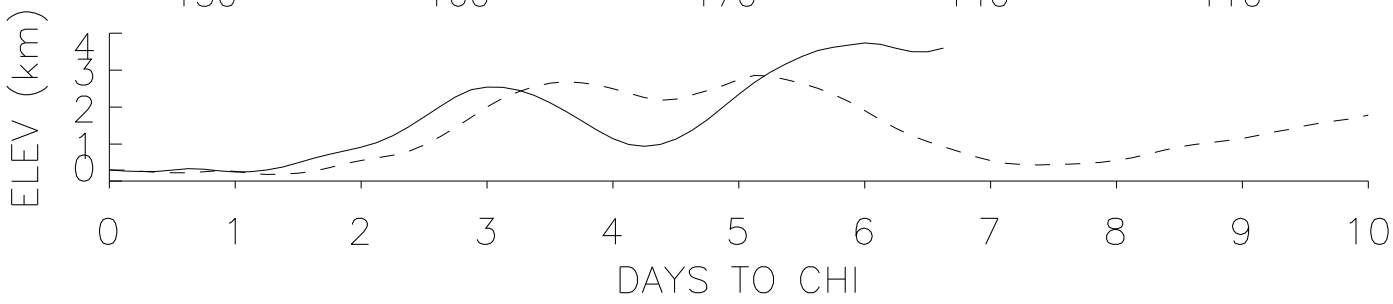


00UT

Day	km	hPa	C
0	0.3	982	16
1	0.2	992	16
2	0.9	916	7
3	2.5	737	−13
4	1.1	880	−4
5	2.3	755	−17
6	3.7	619	−30

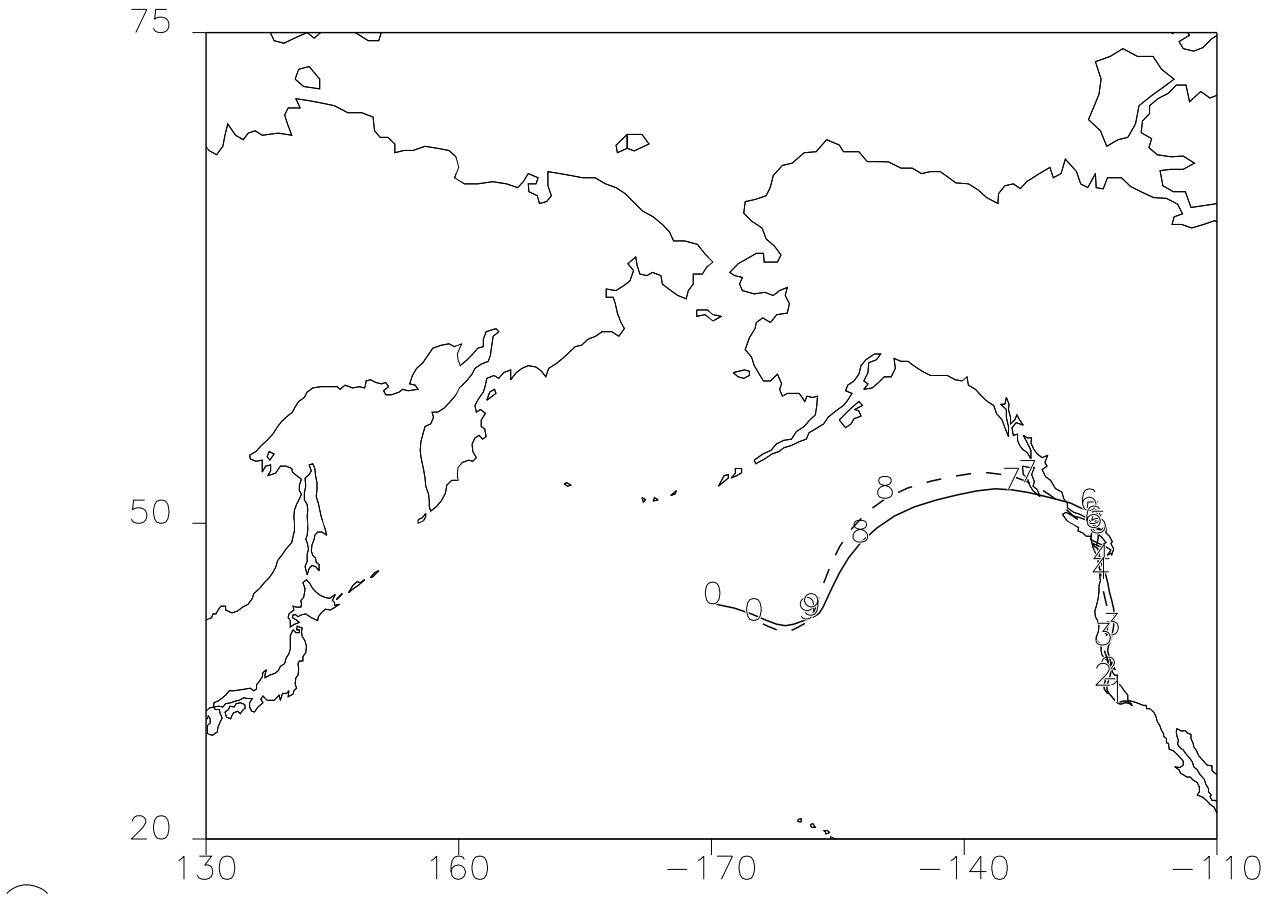
06UT

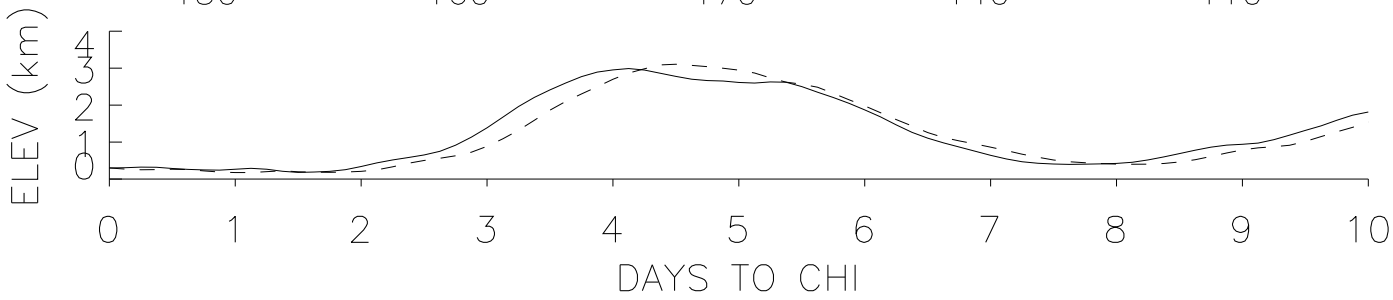
Day	km	hPa	C
0	0.3	983	15
1	0.3	991	14
2	0.6	958	8
3	2.0	795	−9
4	2.5	736	−15
5	2.7	711	−20
6	1.9	796	−9
7	0.6	955	1
8	0.6	958	3
9	1.2	891	2
10	1.8	817	−2



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/21/2002 (Day of Year 80)
NCEP/NCAR Reanalysis 1 Data Set





12UT

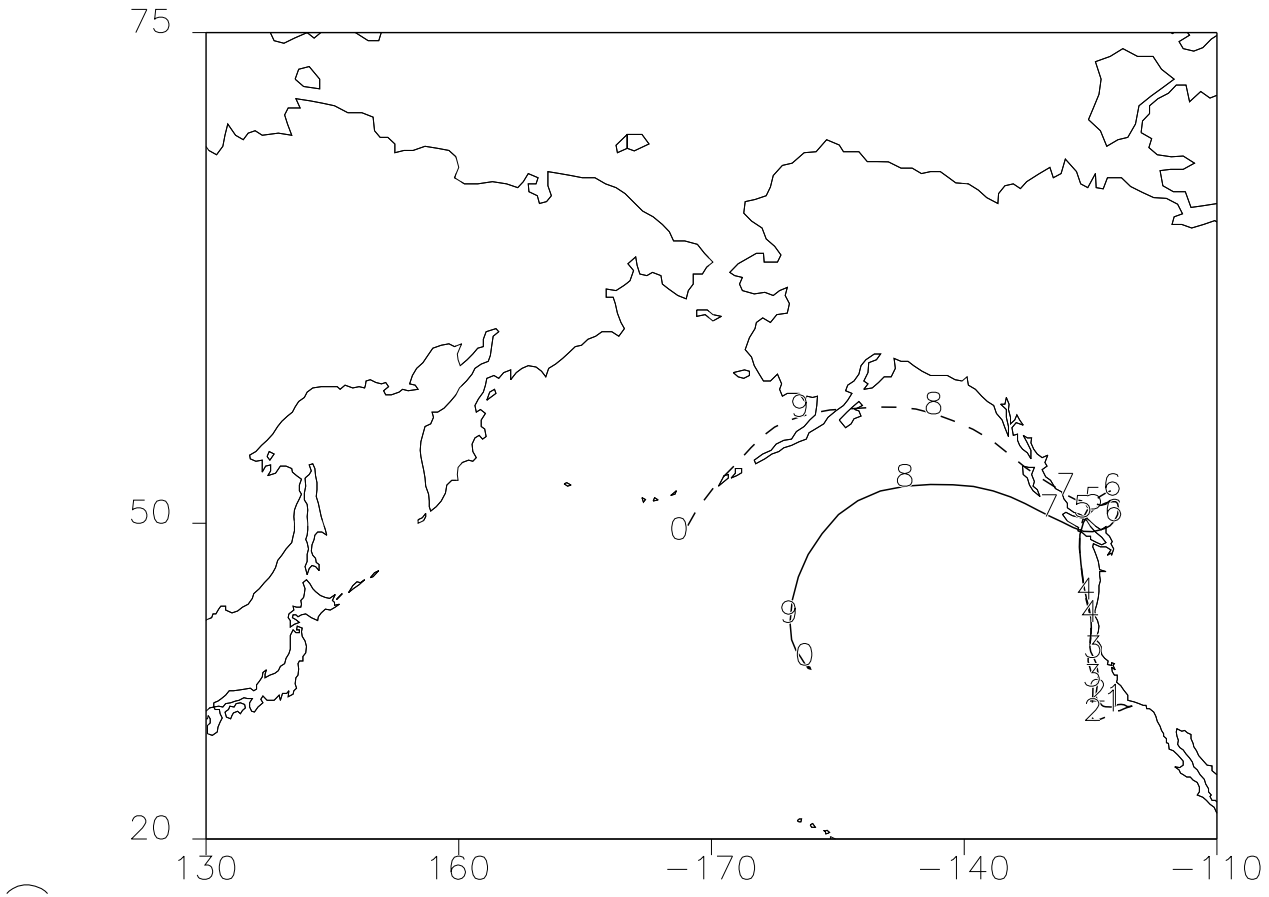
Day	km	hPa	C
0	0.3	981	14
1	0.3	989	13
2	0.3	984	8
3	1.4	862	−6
4	3.0	693	−19
5	2.6	722	−17
6	1.9	799	−10
7	0.6	942	2
8	0.4	974	3
9	0.9	919	3
10	1.8	812	−4

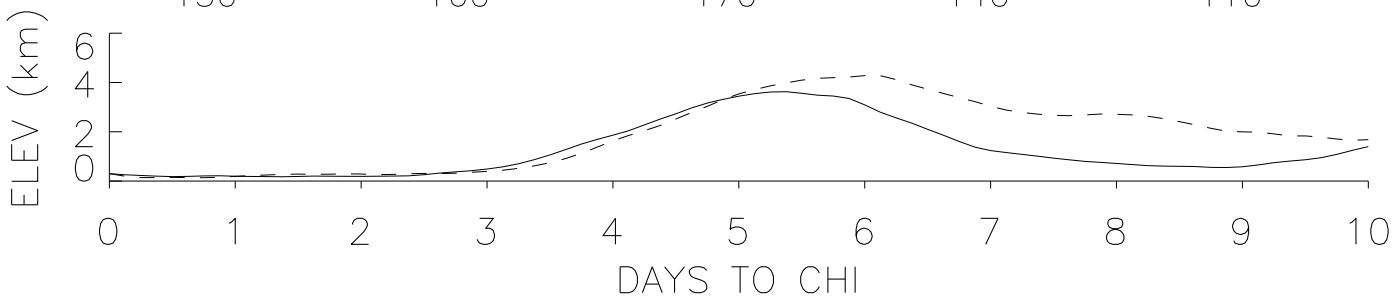
18UT

Day	km	hPa	C
0	0.3	982	15
1	0.2	1000	15
2	0.2	999	12
3	0.9	922	0
4	2.7	721	−15
5	2.9	691	−19
6	2.0	788	−9
7	0.9	914	−3
8	0.4	972	3
9	0.8	937	3
10	1.5	846	−3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/22/2002 (Day of Year 81)
NCEP/NCAR Reanalysis 1 Data Set





00UT

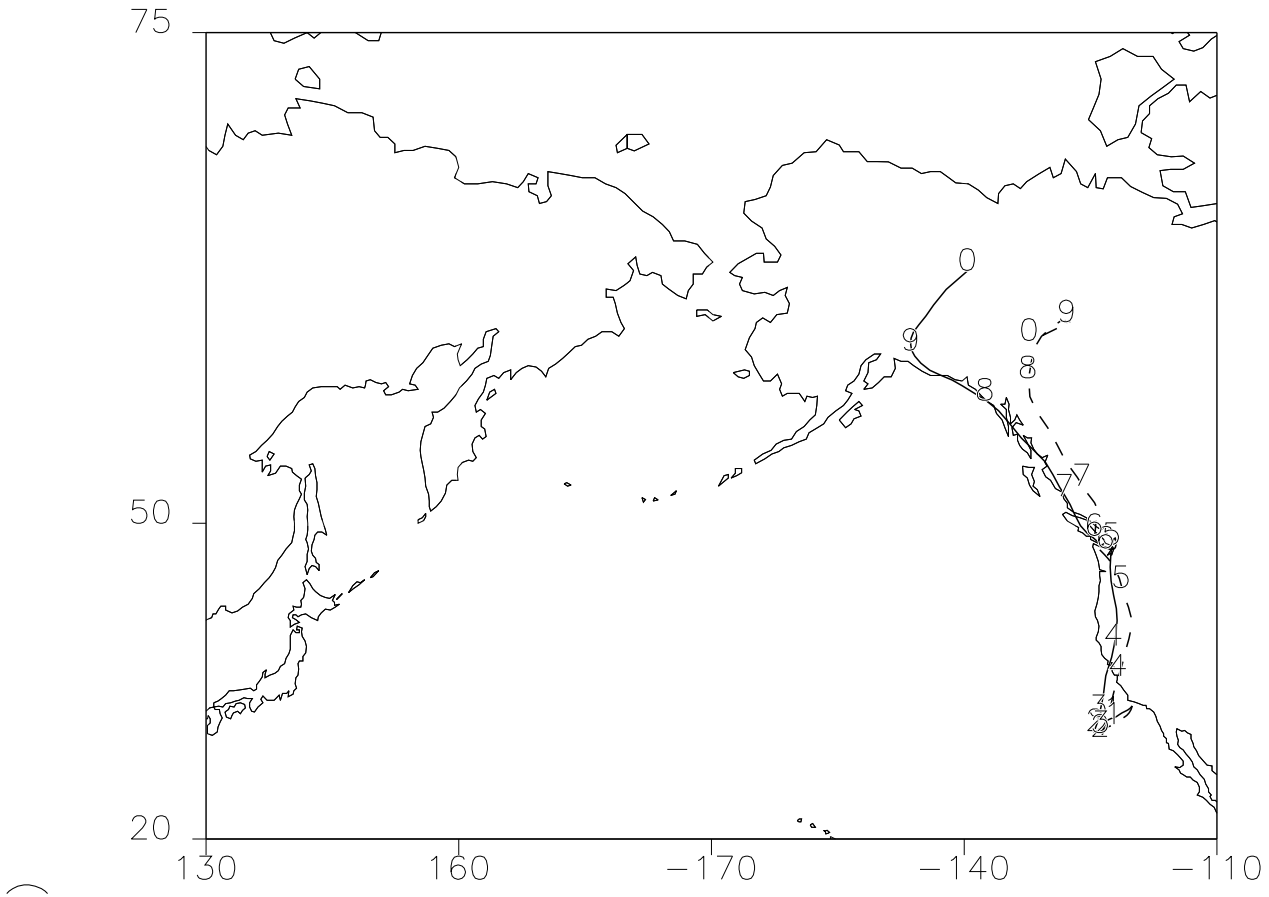
Day	km	hPa	C
0	0.3	980	16
1	0.2	995	13
2	0.2	1000	12
3	0.5	968	7
4	1.9	809	−7
5	3.4	648	−23
6	3.1	680	−18
7	1.2	873	−2
8	0.7	934	1
9	0.6	956	6
10	1.4	868	−1

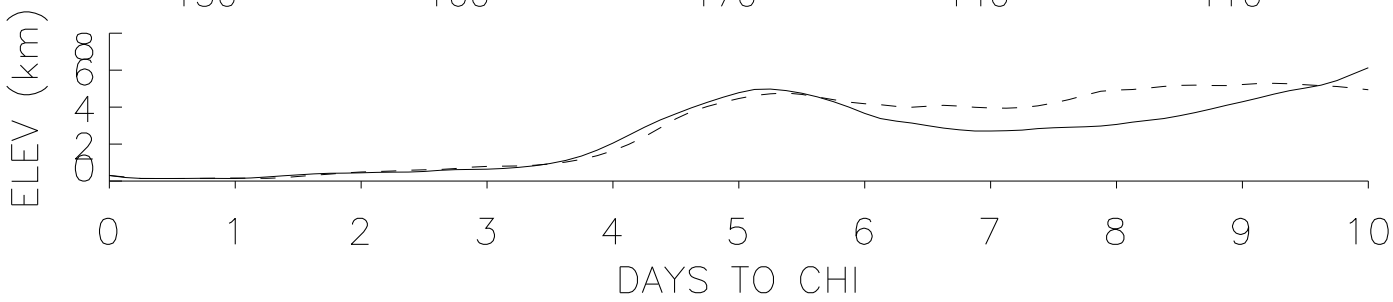
06UT

Day	km	hPa	C
0	0.3	981	13
1	0.2	996	12
2	0.3	990	10
3	0.4	978	9
4	1.6	837	−6
5	3.5	640	−23
6	4.3	576	−29
7	3.0	687	−17
8	2.7	717	−14
9	2.0	784	−7
10	1.7	815	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/22/2002 (Day of Year 81)
NCEP/NCAR Reanalysis 1 Data Set





12UT

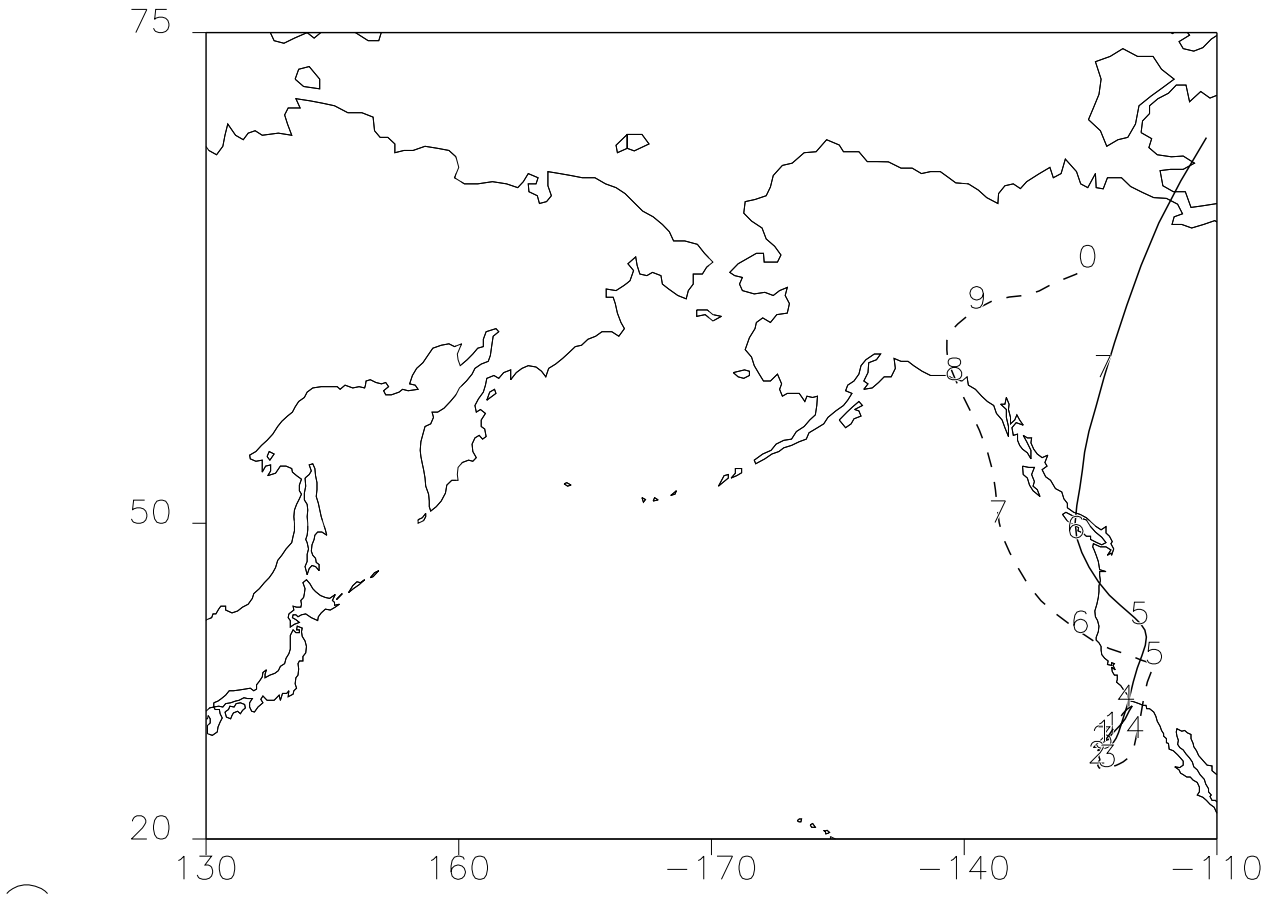
Day	km	hPa	C
0	0.3	980	13
1	0.1	1000	13
2	0.4	969	10
3	0.6	947	9
4	2.1	791	−8
5	4.8	538	−33
6	3.7	628	−24
7	2.7	717	−15
8	3.1	683	−21
9	4.3	567	−31
10	6.1	432	−44

18UT

Day	km	hPa	C
0	0.3	981	15
1	0.2	999	12
2	0.5	965	10
3	0.8	932	7
4	1.6	836	1
5	4.5	566	−30
6	4.2	583	−28
7	4.0	605	−26
8	4.9	525	−34
9	5.2	501	−37
10	4.9	513	−37

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/23/2002 (Day of Year 82)
NCEP/NCAR Reanalysis 1 Data Set

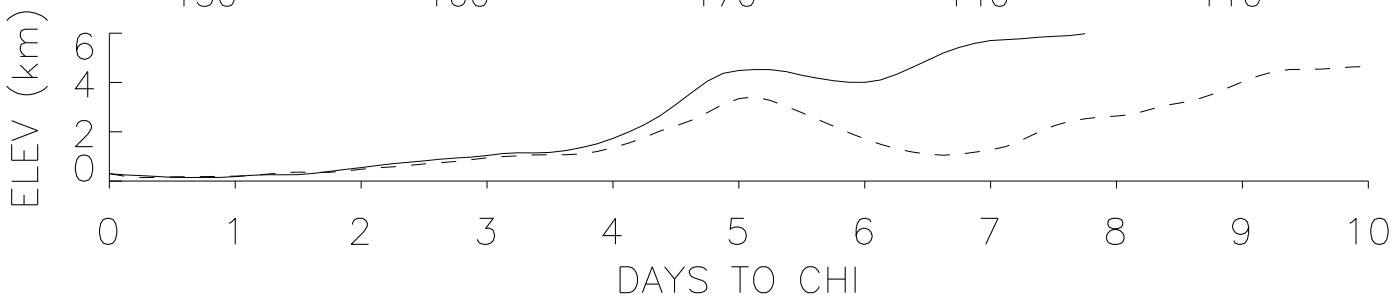


00UT

Day	km	hPa	C
0	0.3	979	14
1	0.2	996	10
2	0.5	955	9
3	1.0	902	8
4	1.7	826	4
5	4.5	567	−29
6	4.0	600	−24
7	5.7	468	−42

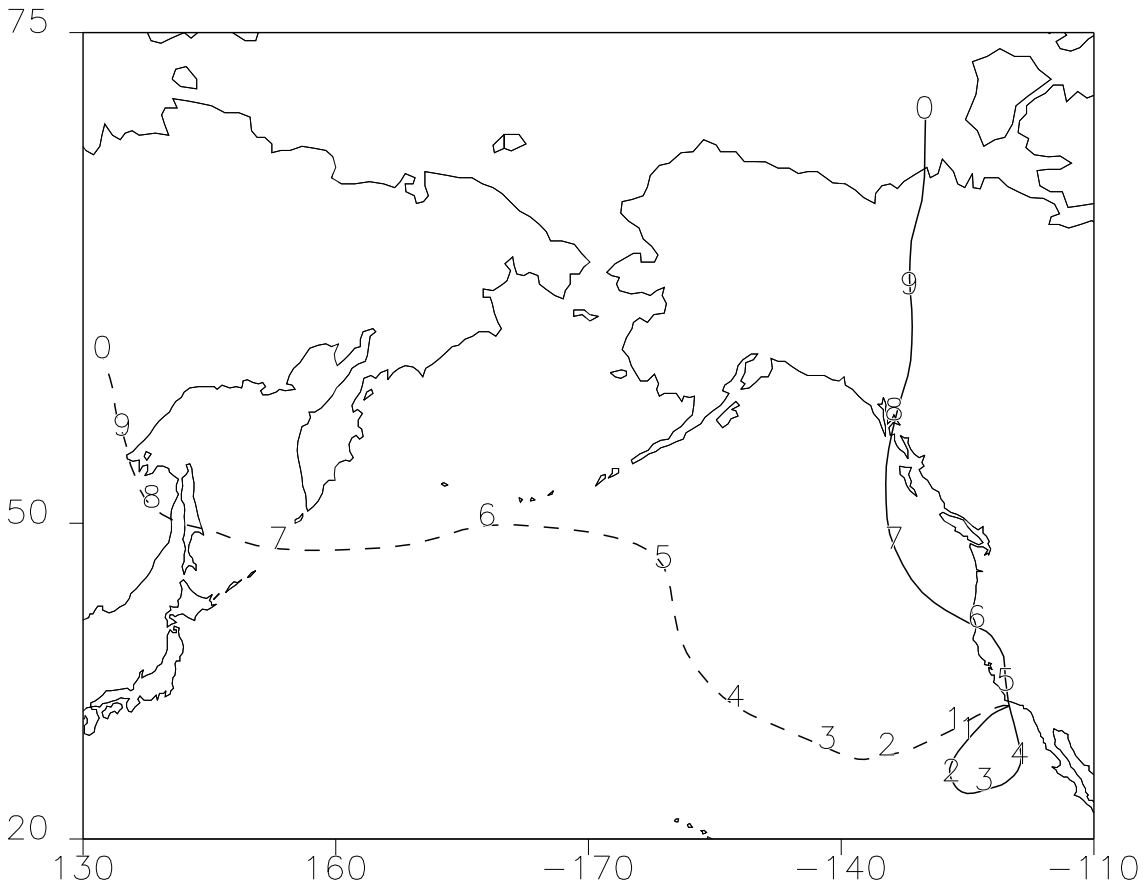
06UT

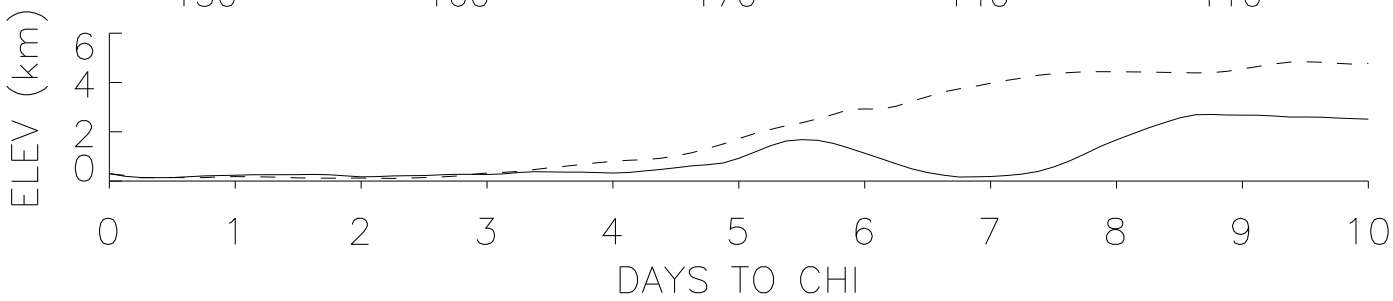
Day	km	hPa	C
0	0.3	981	12
1	0.2	994	11
2	0.5	964	10
3	0.9	914	8
4	1.4	868	7
5	3.3	665	−17
6	1.7	825	−6
7	1.3	877	−3
8	2.6	732	−14
9	4.0	597	−29
10	4.7	540	−35



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/23/2002 (Day of Year 82)
NCEP/NCAR Reanalysis 1 Data Set





12UT

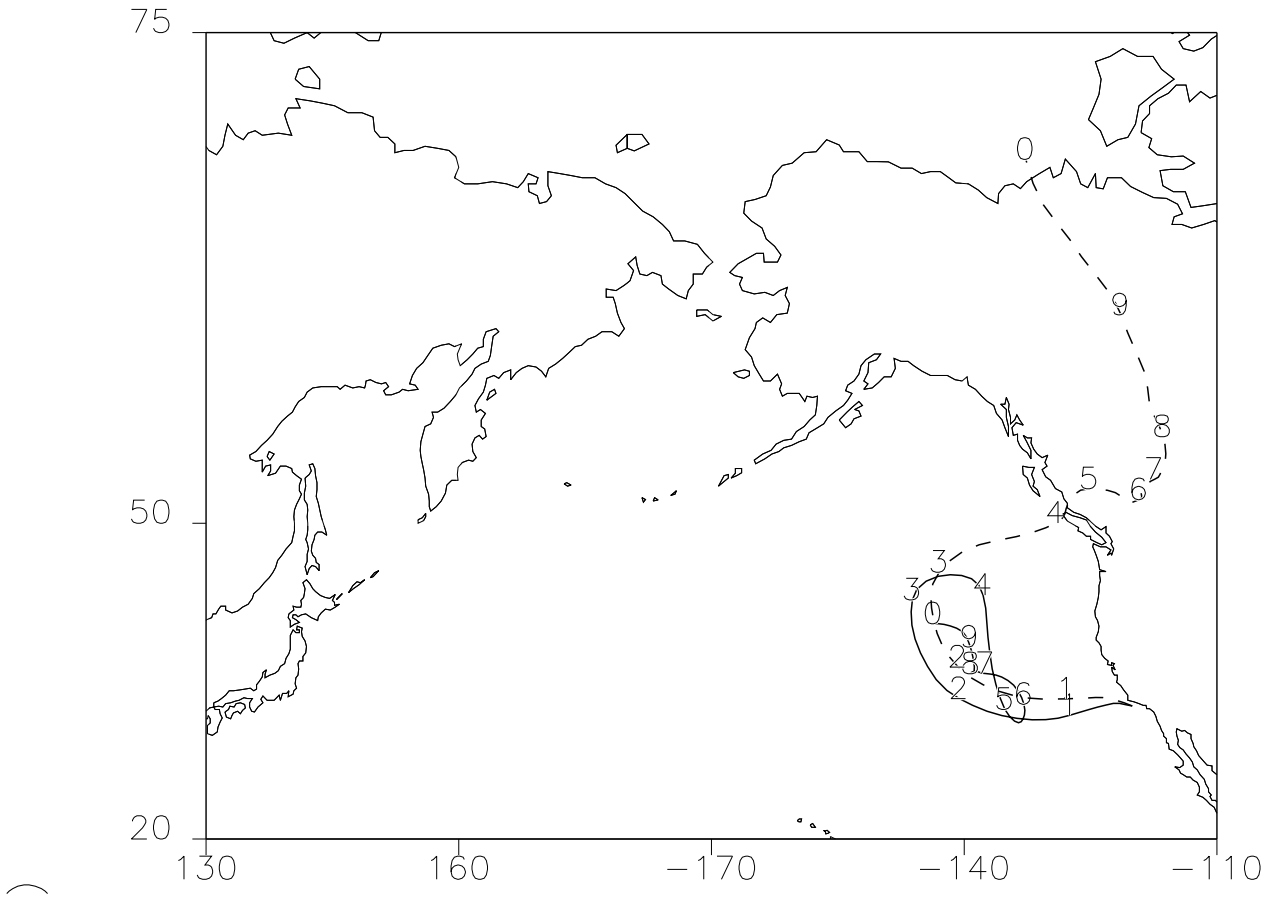
Day	km	hPa	C
0	0.3	980	11
1	0.2	989	14
2	0.2	995	14
3	0.3	988	13
4	0.3	982	11
5	0.9	908	0
6	1.1	883	−4
7	0.2	999	5
8	1.7	828	−15
9	2.7	717	−22
10	2.5	730	−20

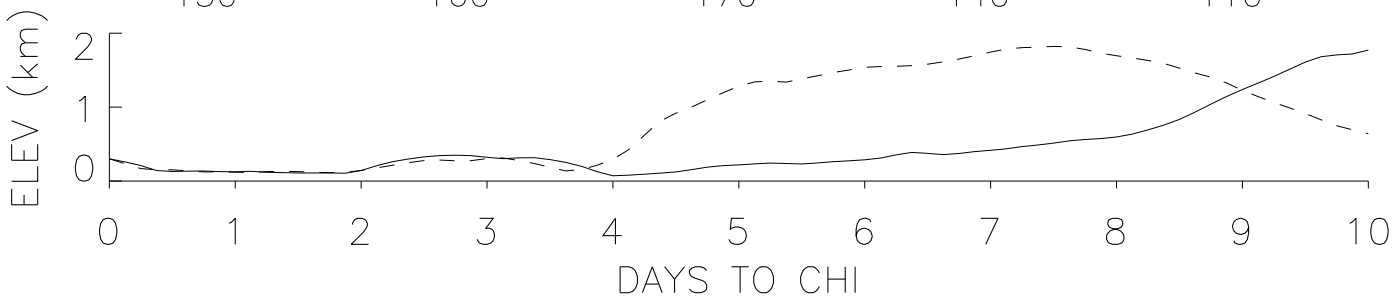
18UT

Day	km	hPa	C
0	0.3	982	12
1	0.2	995	15
2	0.1	1000	16
3	0.3	979	13
4	0.8	924	6
5	1.7	824	−6
6	2.9	685	−21
7	4.0	589	−31
8	4.4	549	−36
9	4.6	540	−36
10	4.8	524	−37

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/24/2002 (Day of Year 83)
NCEP/NCAR Reanalysis 1 Data Set





00UT

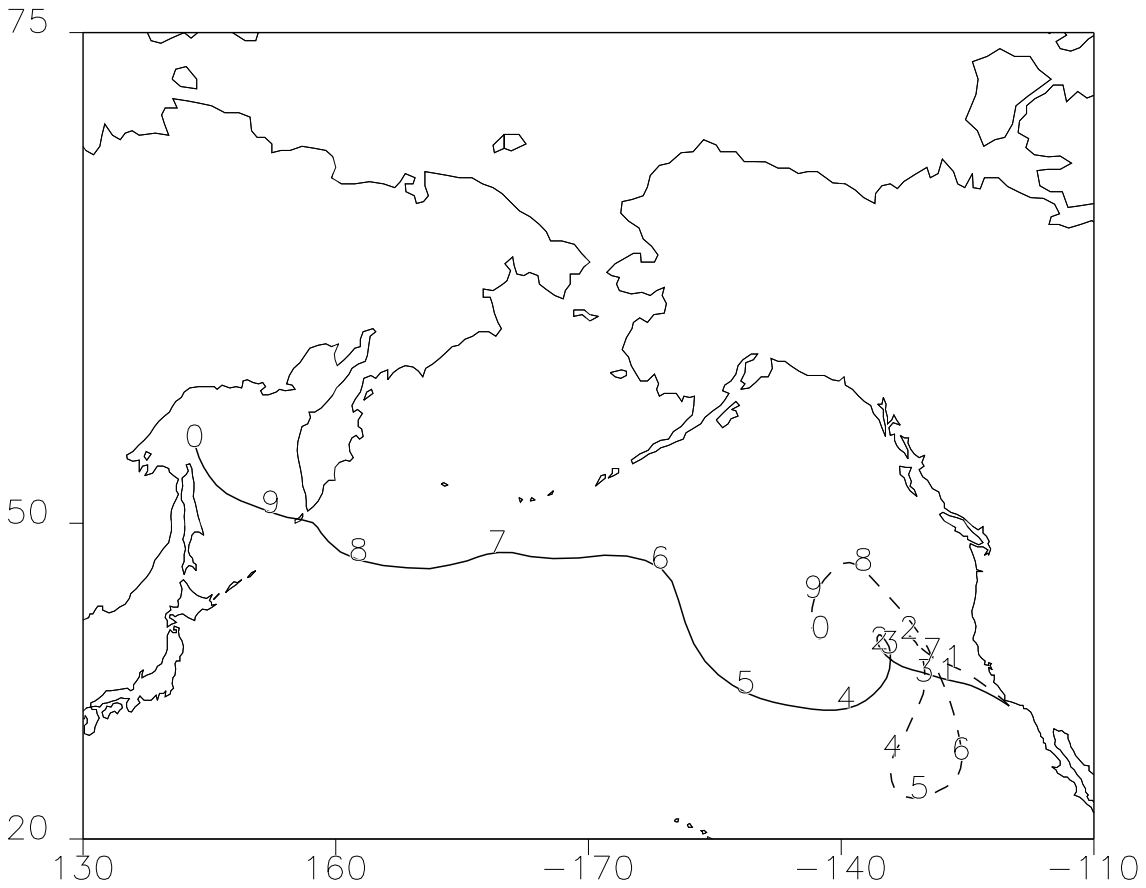
Day	km	hPa	C
0	0.3	981	12
1	0.1	999	13
2	0.1	993	12
3	0.3	970	7
4	0.1	1000	10
5	0.2	1000	13
6	0.3	995	11
7	0.4	982	8
8	0.6	963	6
9	1.2	893	2
10	1.8	835	0

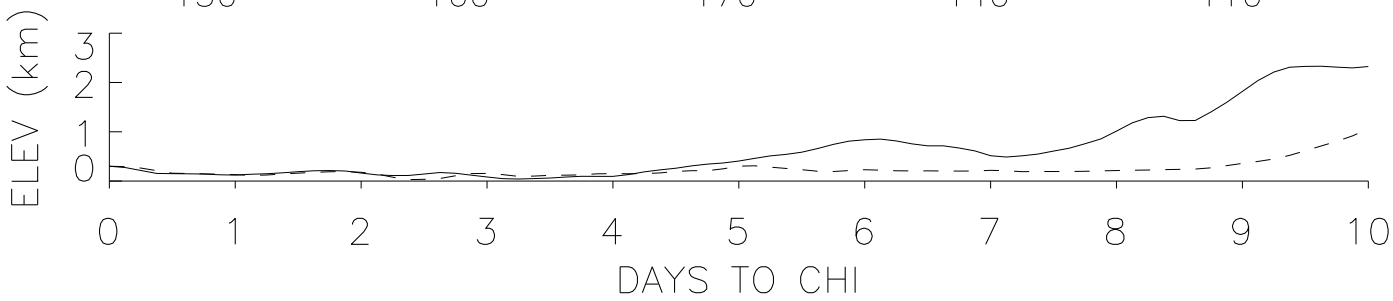
06UT

Day	km	hPa	C
0	0.3	982	11
1	0.1	1000	13
2	0.1	994	11
3	0.3	973	5
4	0.3	985	0
5	1.3	865	−15
6	1.5	842	−19
7	1.7	818	−22
8	1.7	823	−26
9	1.2	870	−22
10	0.6	939	−14

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/24/2002 (Day of Year 83)
NCEP/NCAR Reanalysis 1 Data Set





12UT

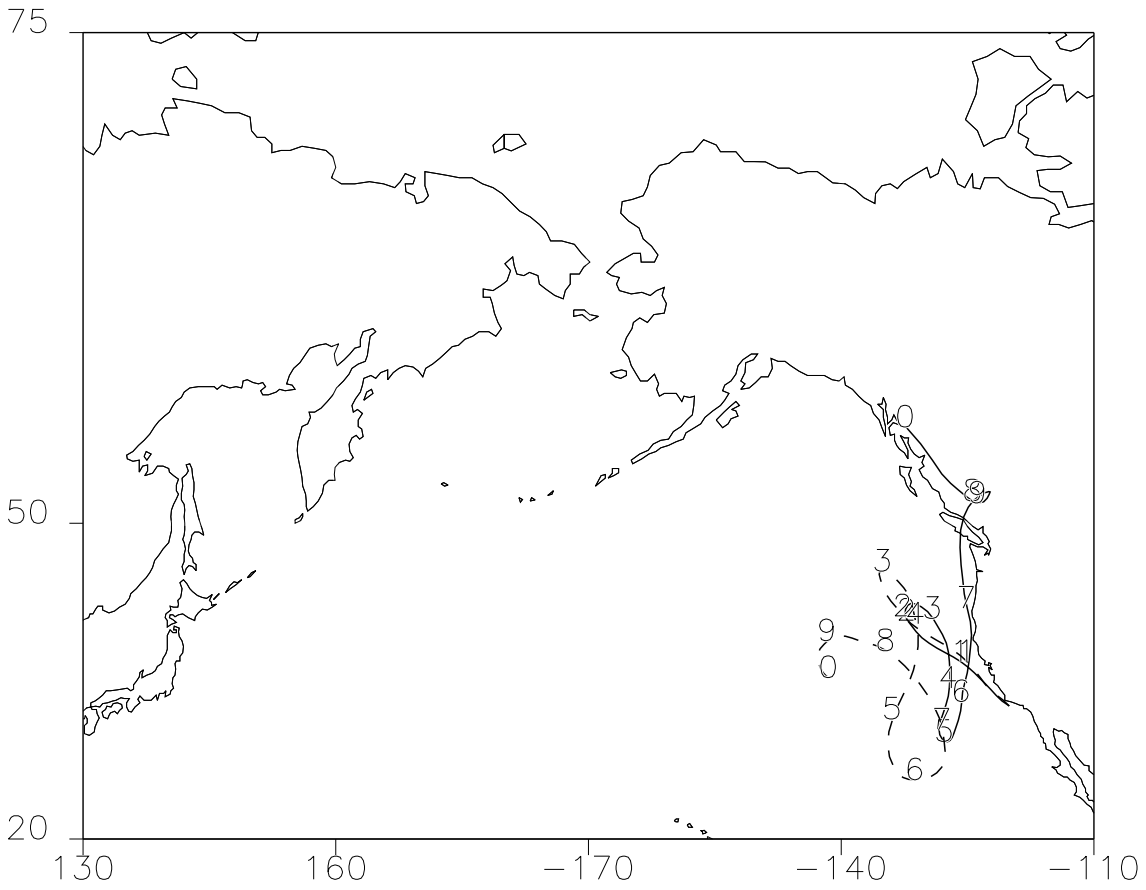
Day	km	hPa	C
0	0.3	982	10
1	0.1	999	11
2	0.2	985	10
3	0.1	993	12
4	0.1	999	13
5	0.4	964	8
6	0.8	919	−1
7	0.5	940	0
8	1.0	873	−6
9	1.8	785	−16
10	2.3	732	−20

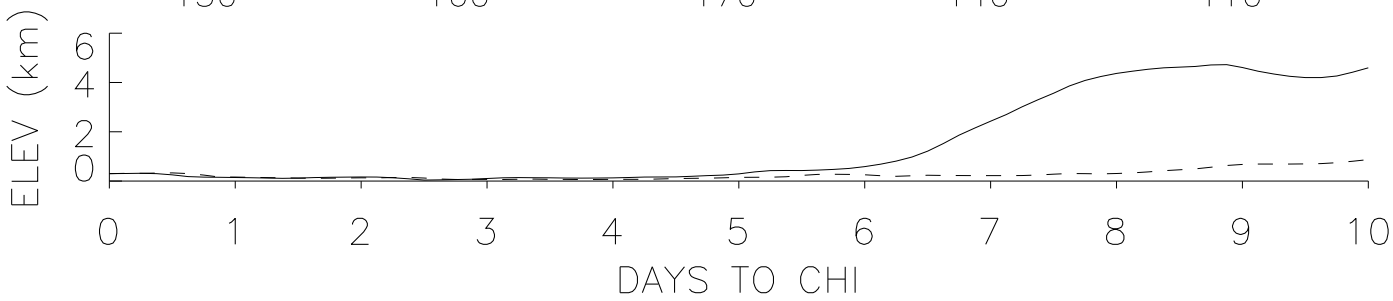
18UT

Day	km	hPa	C
0	0.3	983	11
1	0.1	1000	11
2	0.2	982	10
3	0.2	990	13
4	0.2	1000	17
5	0.3	989	14
6	0.2	1000	12
7	0.2	998	9
8	0.2	1000	6
9	0.4	990	7
10	1.1	915	1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/25/2002 (Day of Year 84)
NCEP/NCAR Reanalysis 1 Data Set





00UT

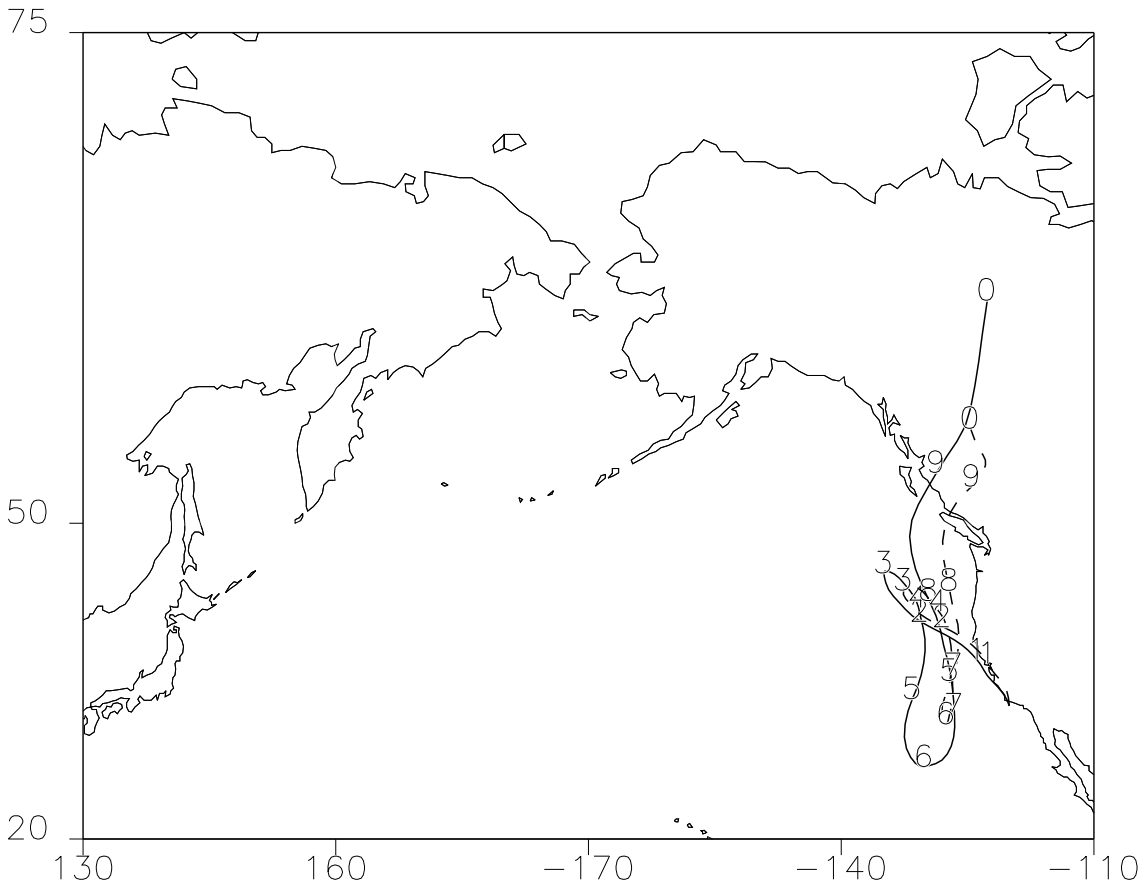
Day	km	hPa	C
0	0.3	981	11
1	0.1	1000	10
2	0.2	987	10
3	0.1	997	12
4	0.1	1000	13
5	0.3	988	10
6	0.6	956	6
7	2.4	751	−10
8	4.4	571	−30
9	4.6	552	−30
10	4.6	553	−30

06UT

Day	km	hPa	C
0	0.3	983	11
1	0.2	1000	10
2	0.1	995	9
3	0.1	1000	9
4	0.1	1000	11
5	0.2	1000	15
6	0.3	995	14
7	0.2	1000	12
8	0.3	991	9
9	0.7	952	6
10	0.9	934	4

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/25/2002 (Day of Year 84)
NCEP/NCAR Reanalysis 1 Data Set

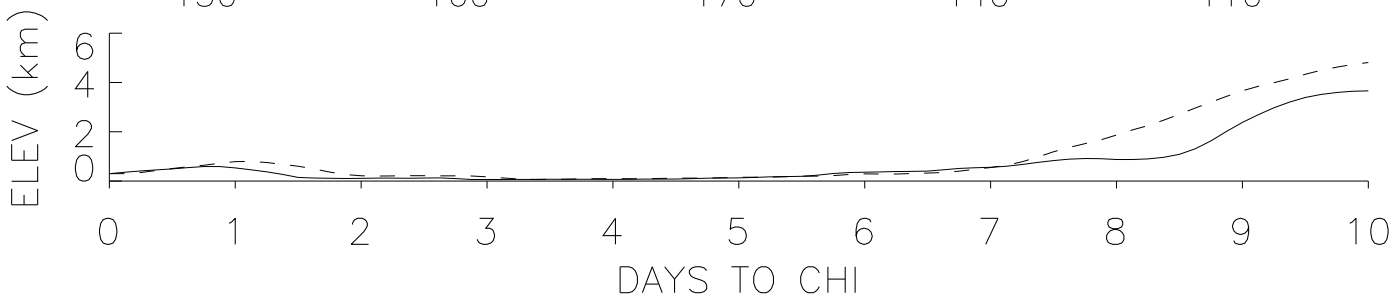


12UT

Day	km	hPa	C
0	0.3	982	8
1	0.5	955	5
2	0.1	998	9
3	0.1	1000	9
4	0.1	1000	11
5	0.1	1000	14
6	0.4	981	11
7	0.6	958	7
8	0.9	916	−2
9	2.4	752	−17
10	3.7	625	−31

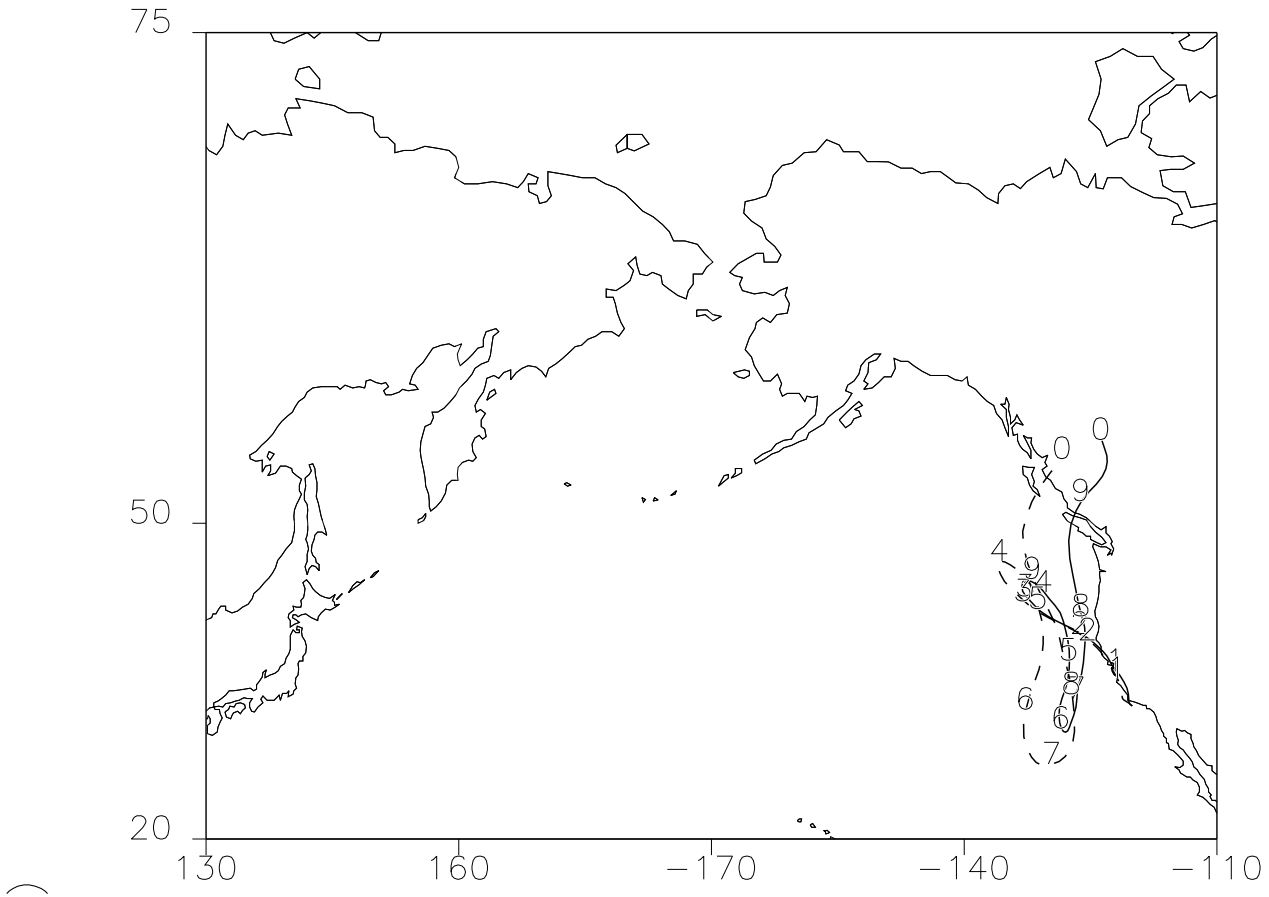
18UT

Day	km	hPa	C
0	0.3	983	12
1	0.8	927	6
2	0.2	987	9
3	0.2	985	8
4	0.1	1000	10
5	0.2	1000	13
6	0.3	992	9
7	0.5	962	5
8	1.9	808	−8
9	3.7	628	−25
10	4.8	534	−37



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/26/2002 (Day of Year 85)
NCEP/NCAR Reanalysis 1 Data Set

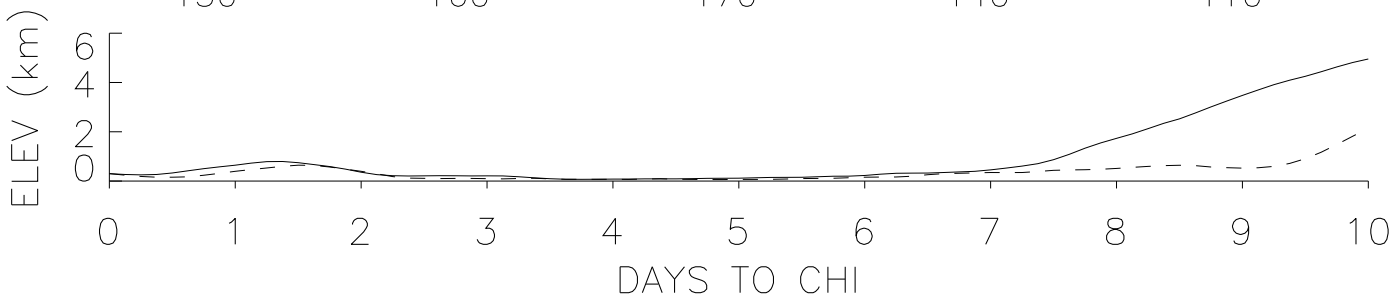


00UT

Day	km	hPa	C
0	0.3	980	12
1	0.6	941	8
2	0.4	972	8
3	0.2	982	9
4	0.1	999	11
5	0.1	1000	12
6	0.2	996	10
7	0.5	972	7
8	1.7	823	−7
9	3.5	646	−23
10	5.0	523	−37

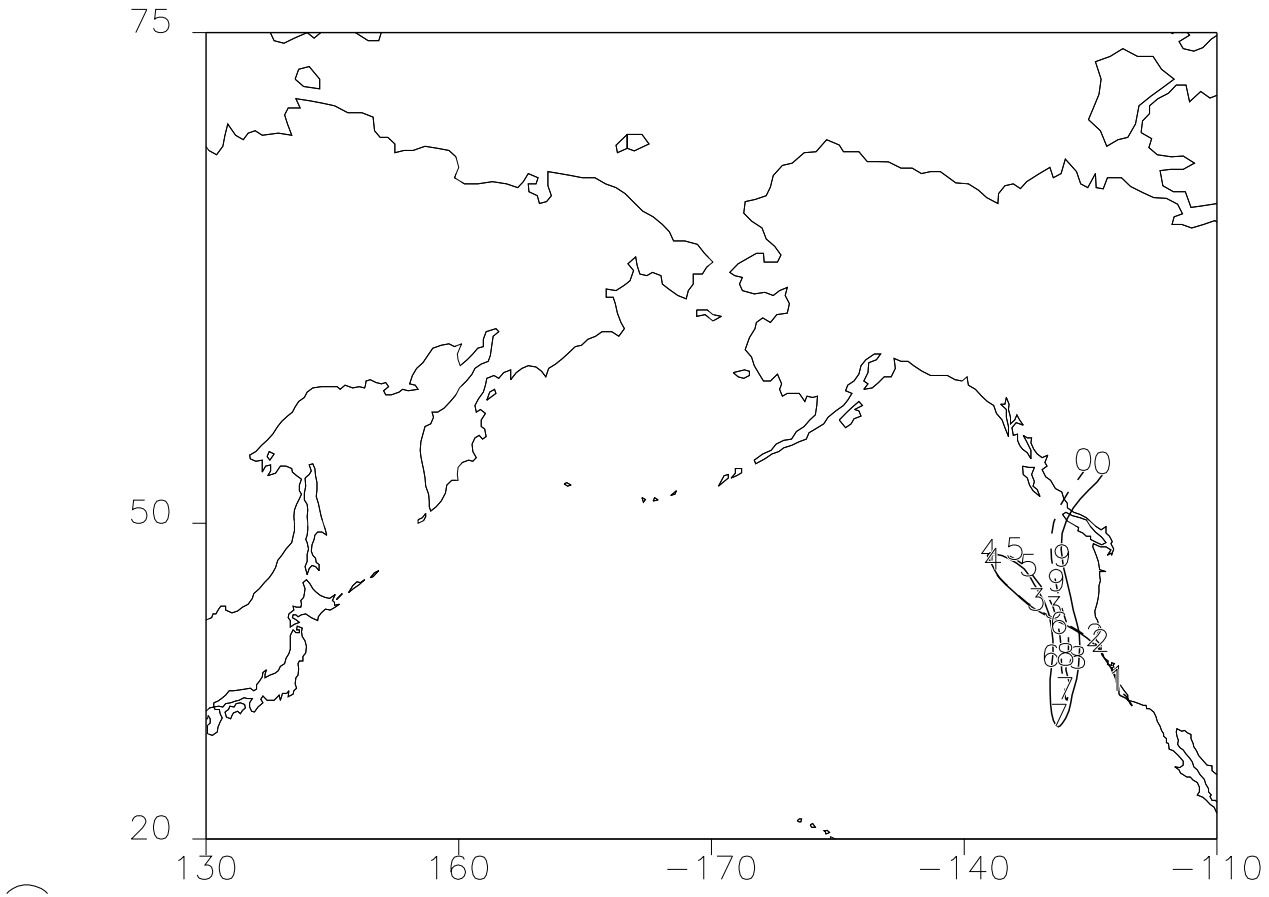
06UT

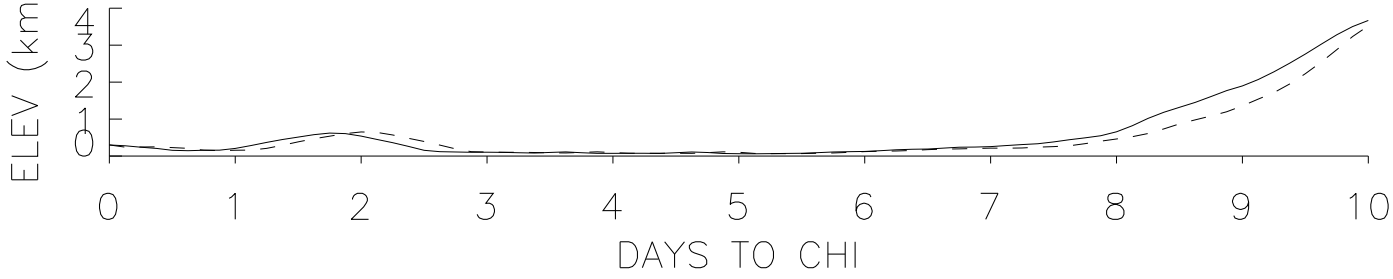
Day	km	hPa	C
0	0.3	981	12
1	0.4	972	9
2	0.4	971	7
3	0.1	998	9
4	0.1	1000	8
5	0.1	1000	11
6	0.2	1000	14
7	0.3	985	12
8	0.5	965	7
9	0.5	956	1
10	2.1	776	−18



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/26/2002 (Day of Year 85)
NCEP/NCAR Reanalysis 1 Data Set





12UT

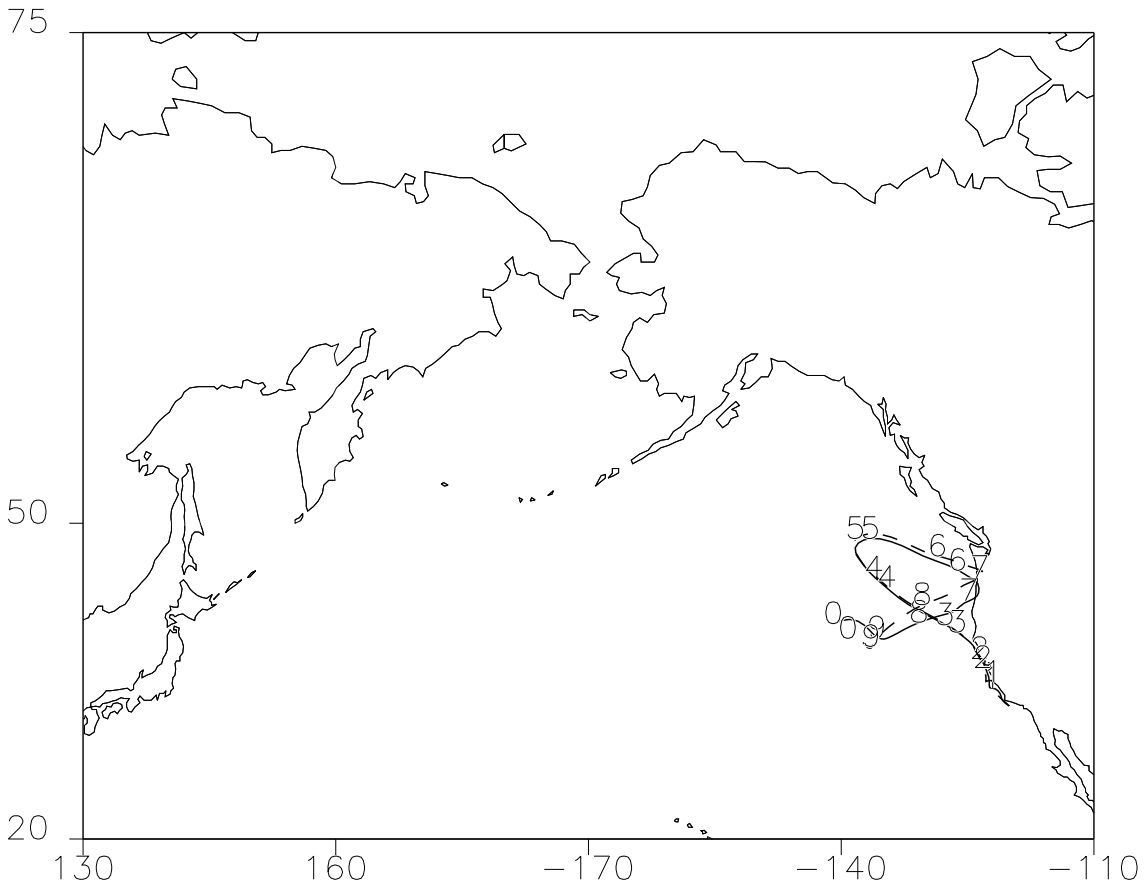
Day	km	hPa	C
0	0.3	980	11
1	0.2	994	8
2	0.5	954	4
3	0.1	999	8
4	0.1	1000	8
5	0.1	1000	9
6	0.1	1000	13
7	0.3	995	9
8	0.7	947	2
9	1.9	801	−8
10	3.7	628	−26

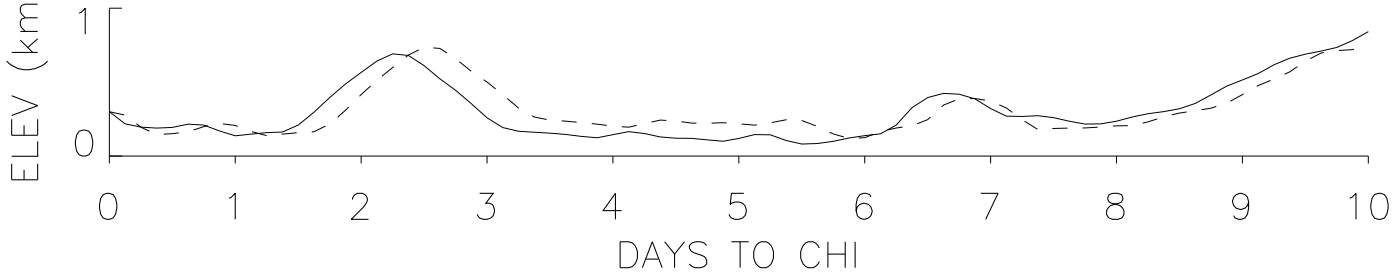
18UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	1000	12
2	0.7	943	6
3	0.1	1000	9
4	0.1	998	7
5	0.1	997	9
6	0.1	1000	11
7	0.2	1000	9
8	0.5	973	6
9	1.4	864	−4
10	3.5	642	−25

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/27/2002 (Day of Year 86)
NCEP/NCAR Reanalysis 1 Data Set





00UT

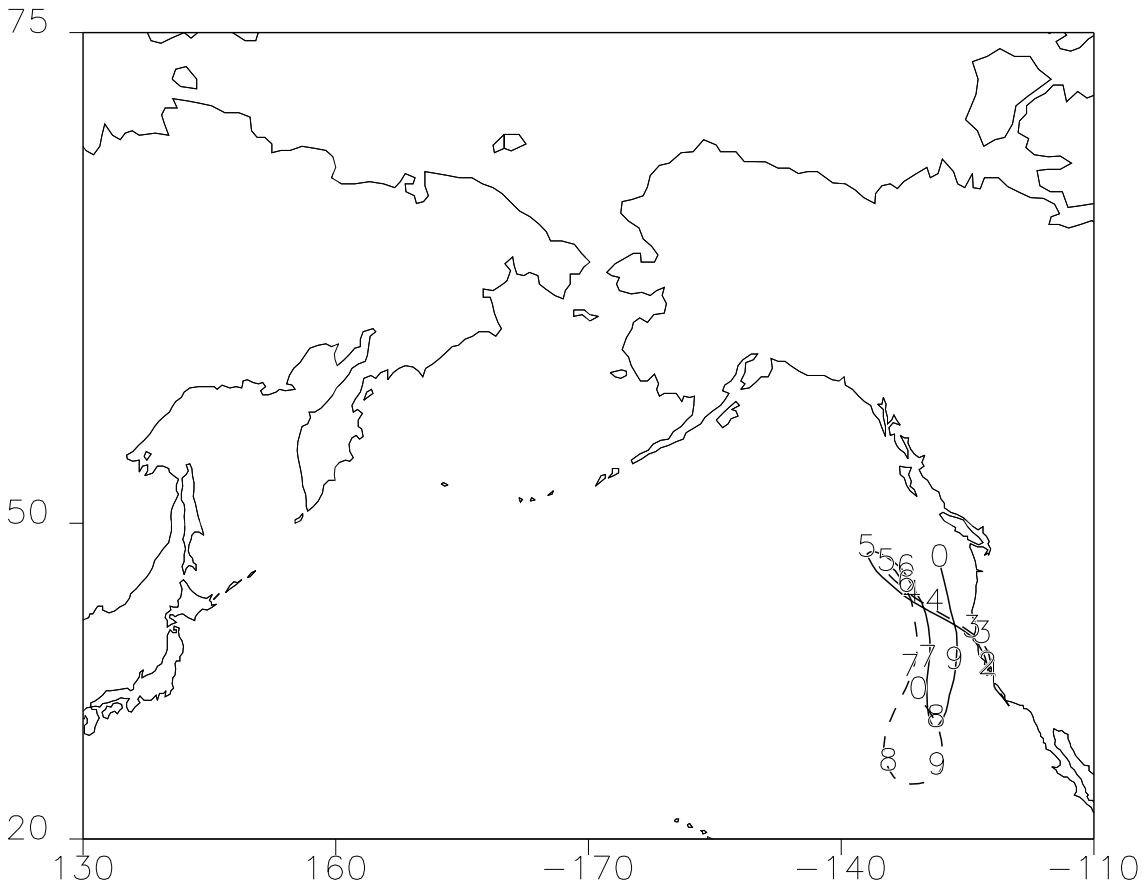
Day	km	hPa	C
0	0.3	979	13
1	0.1	1000	12
2	0.6	952	8
3	0.3	984	7
4	0.1	993	8
5	0.1	995	8
6	0.1	1000	9
7	0.3	984	9
8	0.2	998	8
9	0.5	967	7
10	0.8	929	7

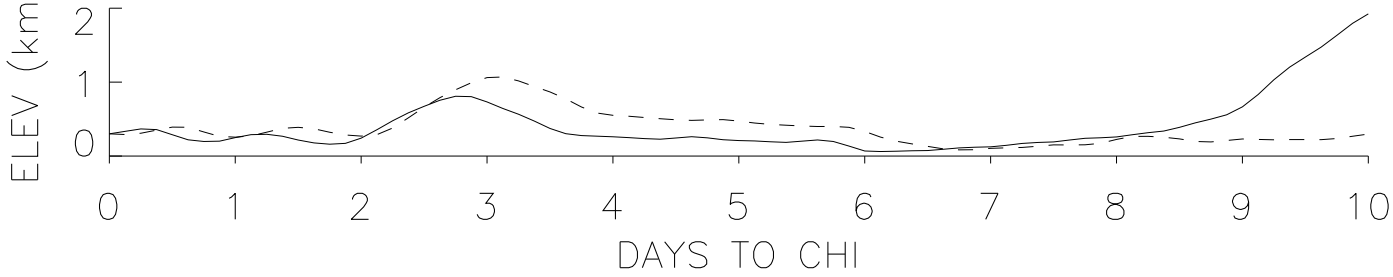
06UT

Day	km	hPa	C
0	0.3	981	12
1	0.2	992	12
2	0.4	971	8
3	0.5	958	6
4	0.2	986	7
5	0.2	984	6
6	0.1	998	7
7	0.4	976	7
8	0.2	1000	8
9	0.4	979	7
10	0.7	940	6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/27/2002 (Day of Year 86)
NCEP/NCAR Reanalysis 1 Data Set





12UT

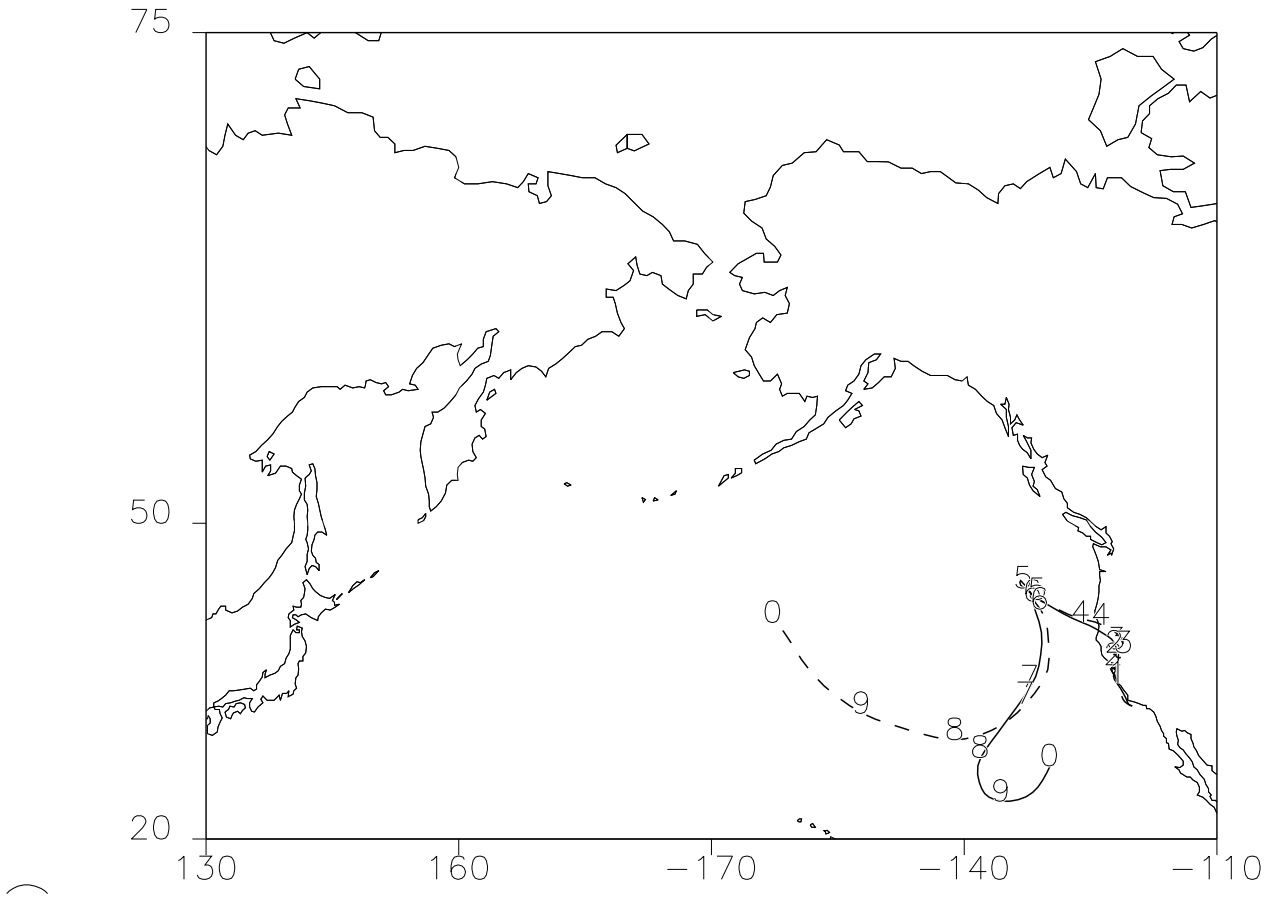
Day	km	hPa	C
0	0.3	979	11
1	0.2	987	9
2	0.2	990	6
3	0.7	932	3
4	0.3	979	7
5	0.2	984	7
6	0.1	999	9
7	0.1	1000	13
8	0.3	995	9
9	0.7	945	2
10	1.9	798	−9

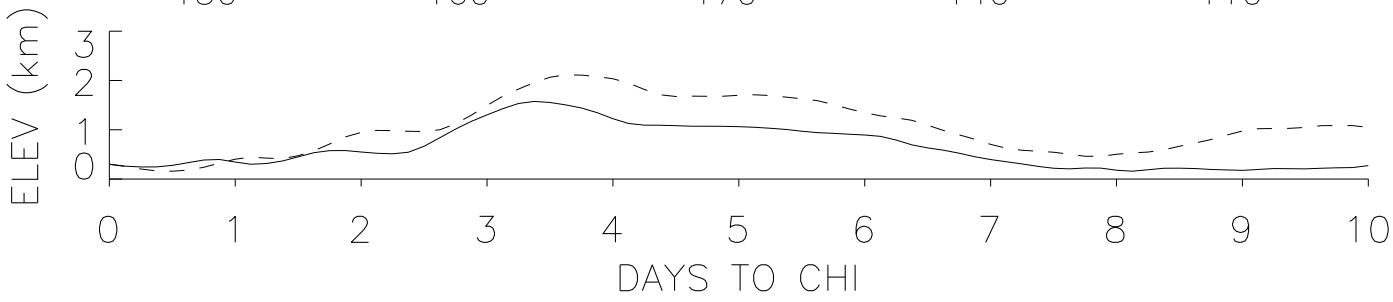
18UT

Day	km	hPa	C
0	0.3	980	14
1	0.3	988	13
2	0.3	986	11
3	1.1	897	3
4	0.6	947	6
5	0.5	951	5
6	0.3	969	9
7	0.1	1000	14
8	0.2	996	16
9	0.2	1000	14
10	0.3	992	11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/28/2002 (Day of Year 87)
NCEP/NCAR Reanalysis 1 Data Set





00UT

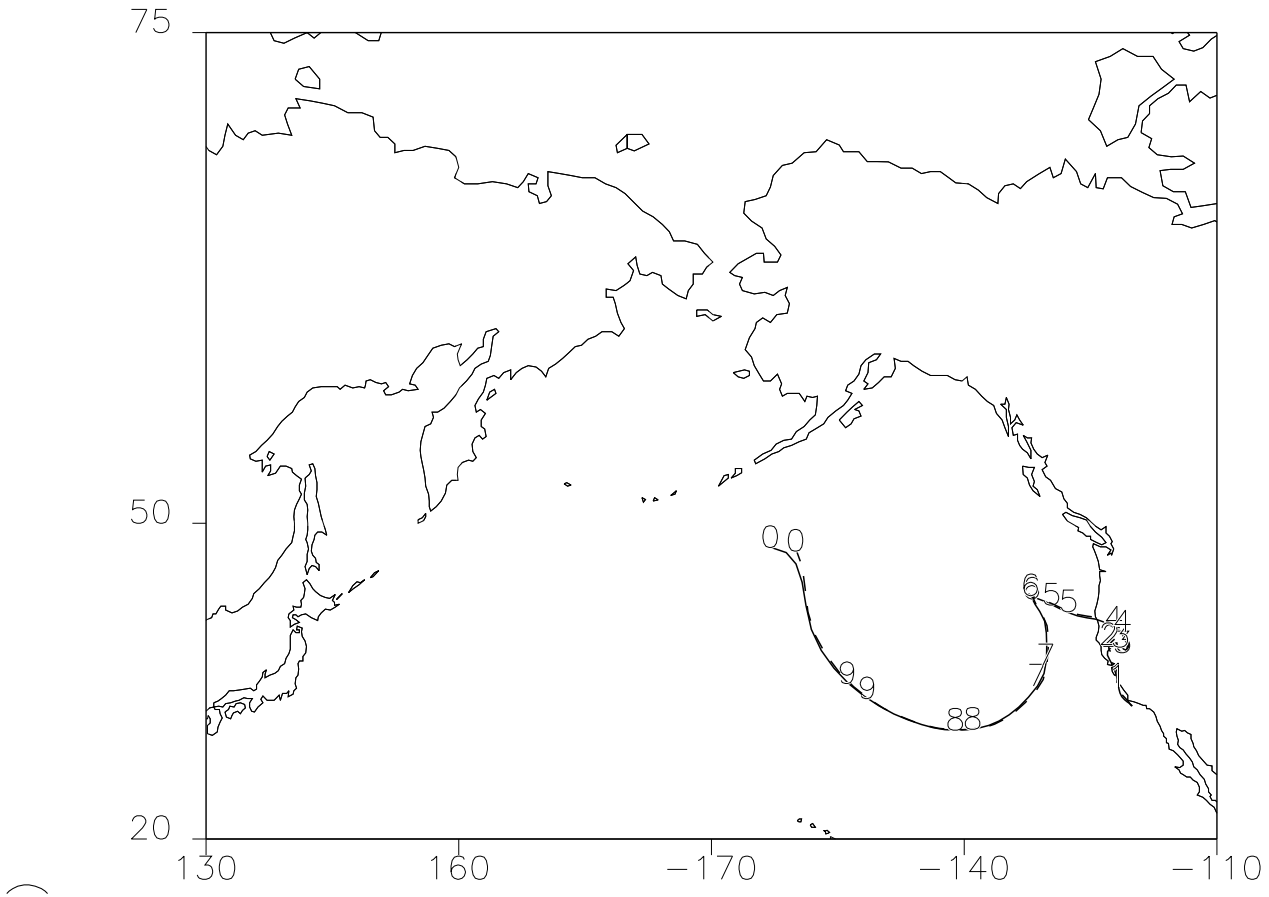
Day	km	hPa	C
0	0.3	978	14
1	0.3	975	14
2	0.5	952	11
3	1.3	869	5
4	1.2	873	2
5	1.1	886	3
6	0.9	905	7
7	0.4	963	13
8	0.2	995	18
9	0.2	1000	16
10	0.3	995	13

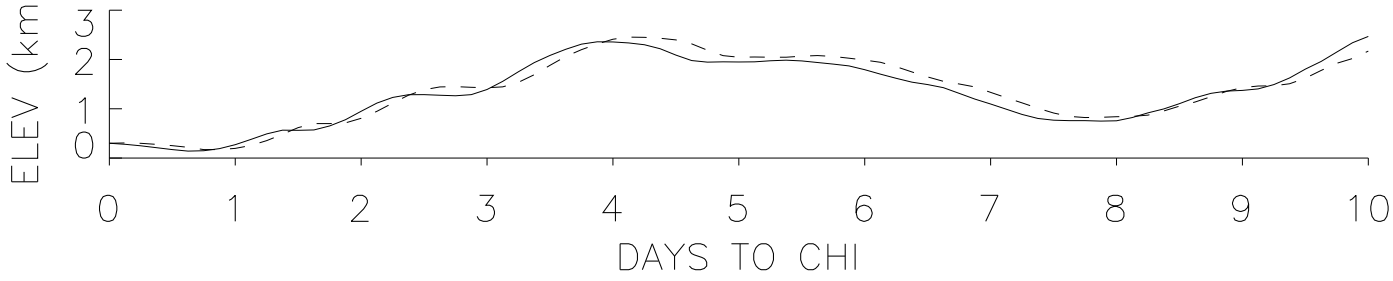
06UT

Day	km	hPa	C
0	0.3	979	12
1	0.4	969	12
2	0.9	909	7
3	1.5	850	3
4	2.0	791	−4
5	1.7	819	−1
6	1.3	855	4
7	0.7	929	11
8	0.5	957	12
9	1.0	907	6
10	1.0	900	2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/28/2002 (Day of Year 87)
NCEP/NCAR Reanalysis 1 Data Set





12UT

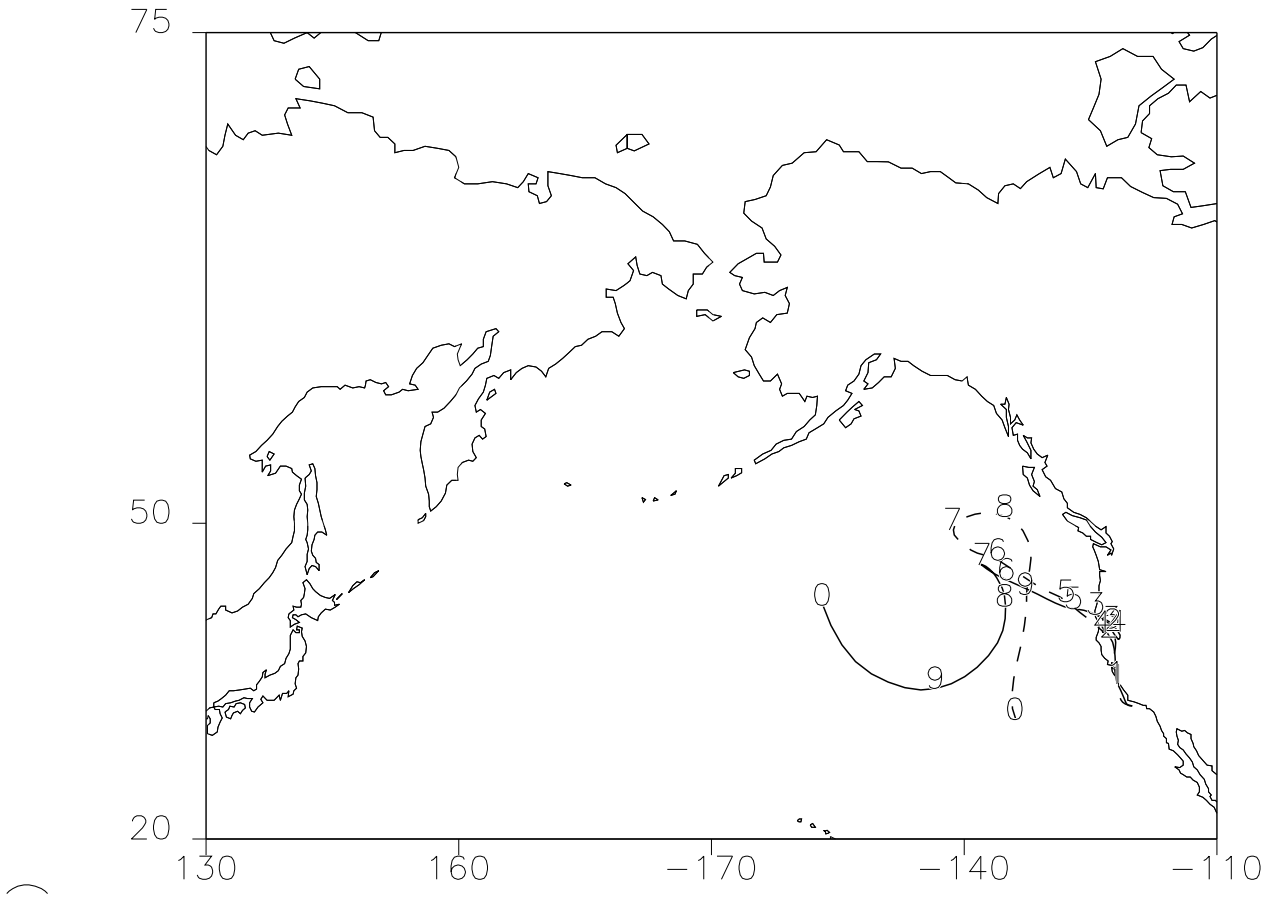
Day	km	hPa	C
0	0.3	979	10
1	0.3	983	12
2	0.9	909	3
3	1.4	860	0
4	2.4	759	−7
5	1.9	794	−3
6	1.8	807	0
7	1.1	884	8
8	0.8	925	8
9	1.4	857	2
10	2.5	745	−11

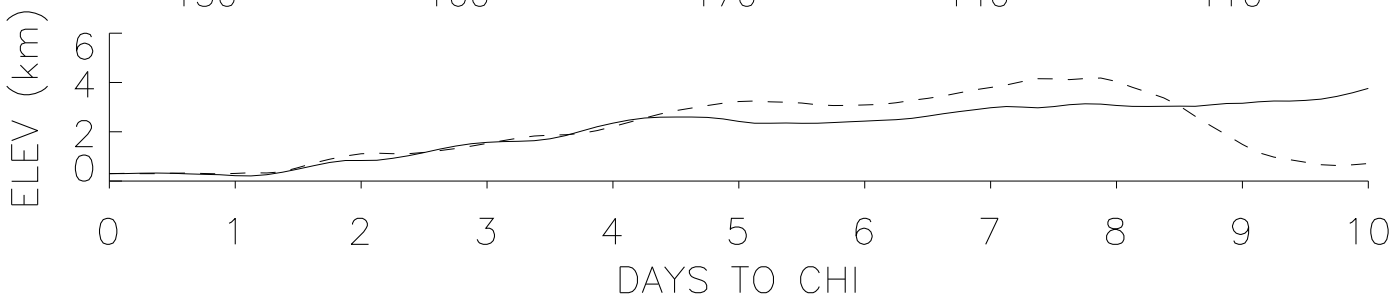
18UT

Day	km	hPa	C
0	0.3	979	14
1	0.2	992	15
2	0.8	925	8
3	1.4	857	3
4	2.4	756	−6
5	2.0	786	−3
6	2.0	787	−3
7	1.3	858	7
8	0.8	918	9
9	1.4	853	3
10	2.2	776	−10

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/29/2002 (Day of Year 88)
NCEP/NCAR Reanalysis 1 Data Set





00UT

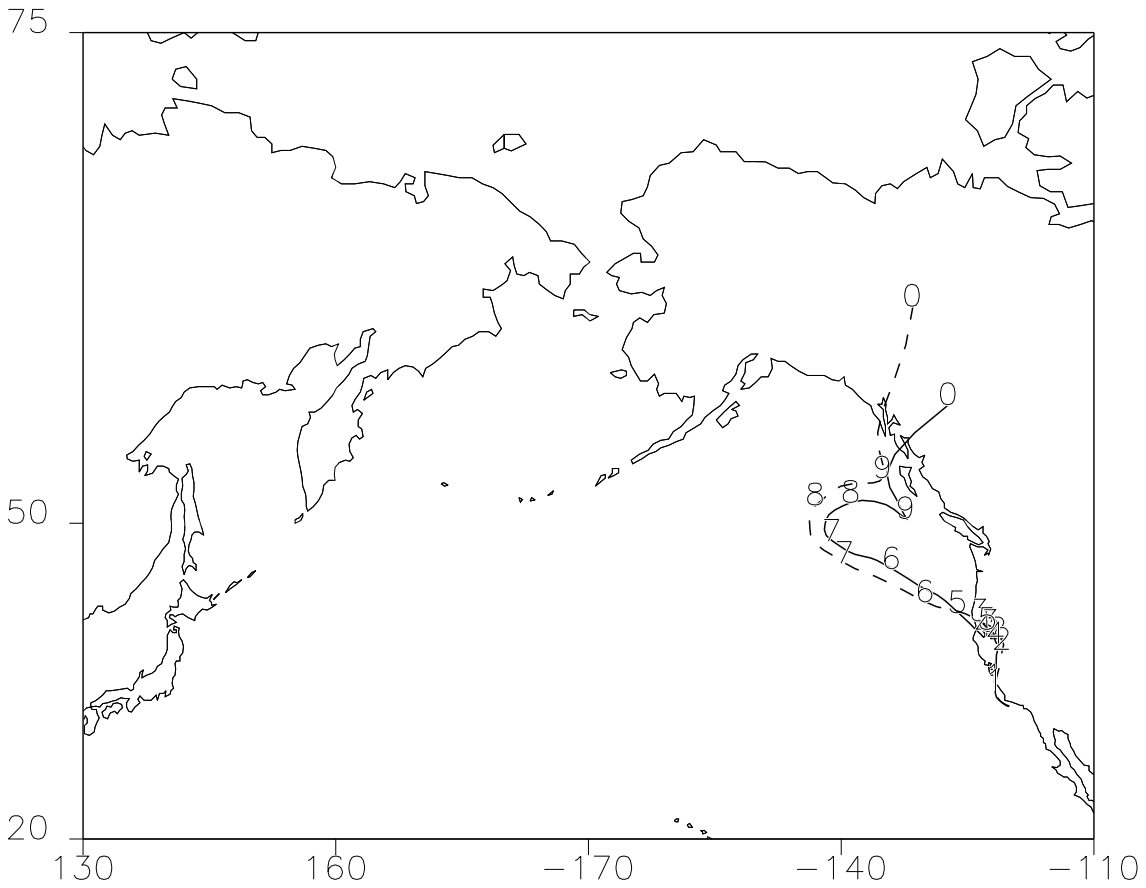
Day	km	hPa	C
0	0.3	977	14
1	0.2	988	16
2	0.8	921	12
3	1.6	842	3
4	2.4	763	−3
5	2.4	750	−6
6	2.4	746	−6
7	3.0	695	−9
8	3.1	685	−9
9	3.2	680	−10
10	3.8	627	−17

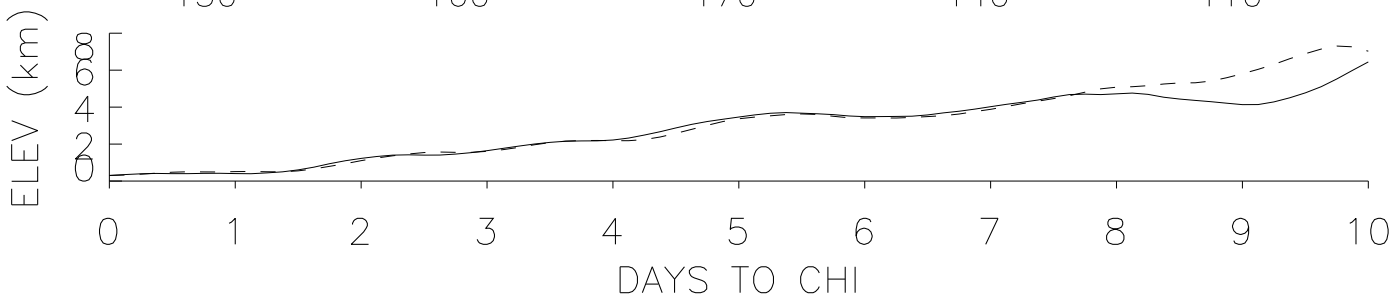
06UT

Day	km	hPa	C
0	0.3	979	13
1	0.3	979	12
2	1.1	892	6
3	1.5	847	3
4	2.2	778	−2
5	3.2	678	−12
6	3.1	685	−11
7	3.8	625	−16
8	4.0	608	−15
9	1.5	846	3
10	0.7	943	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/29/2002 (Day of Year 88)
NCEP/NCAR Reanalysis 1 Data Set





12UT

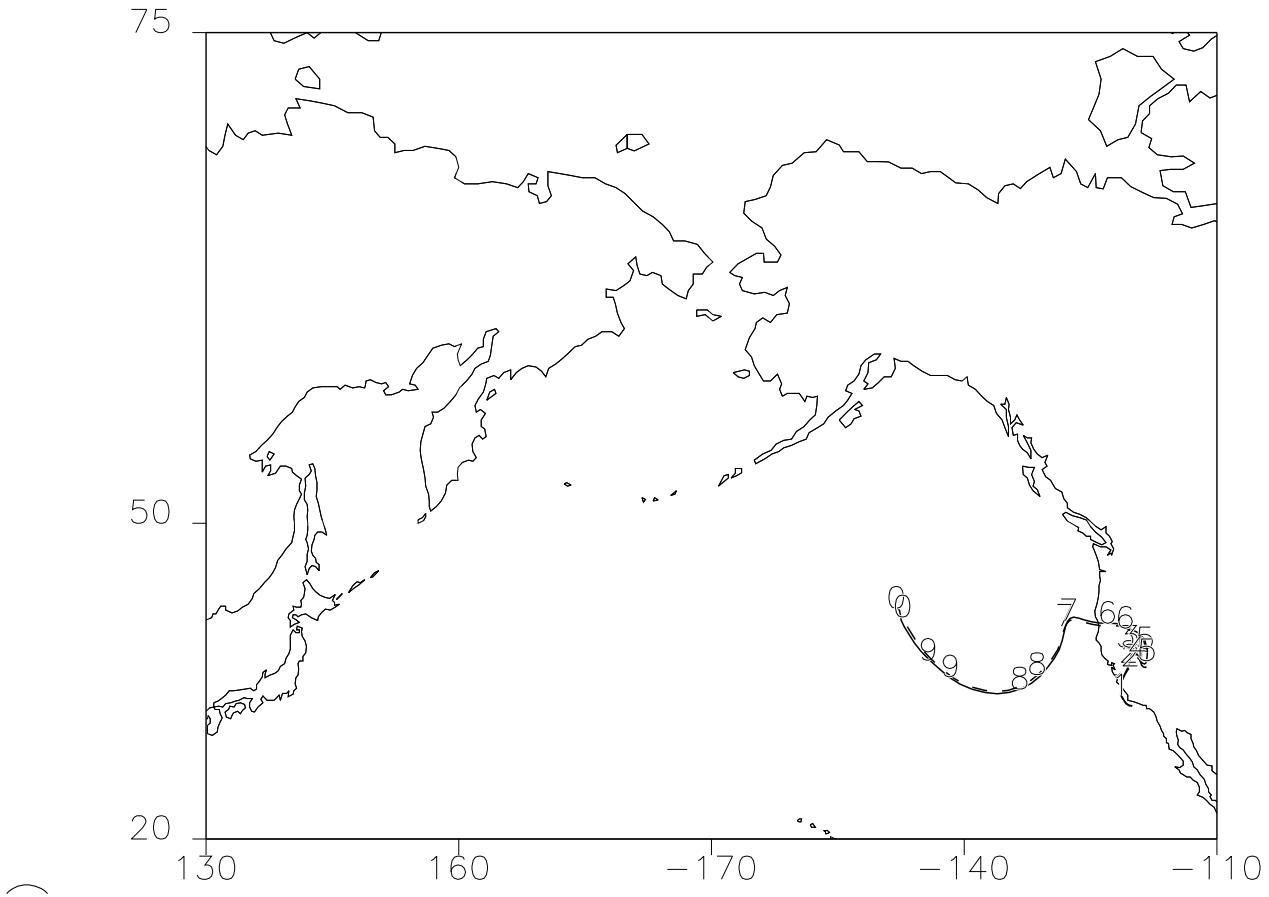
Day	km	hPa	C
0	0.3	980	13
1	0.4	968	10
2	1.2	878	6
3	1.6	834	1
4	2.2	775	−4
5	3.5	658	−13
6	3.5	651	−13
7	4.0	606	−17
8	4.7	554	−21
9	4.1	602	−13
10	6.4	424	−41

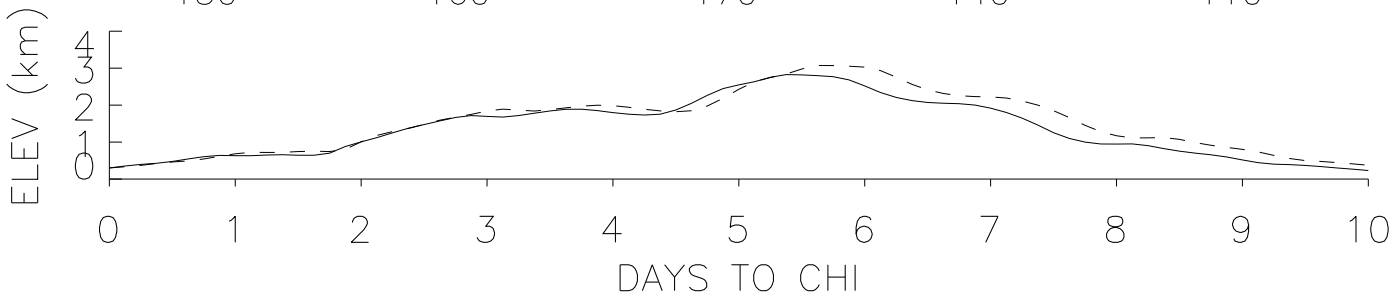
18UT

Day	km	hPa	C
0	0.3	983	15
1	0.5	956	14
2	1.1	892	10
3	1.6	839	4
4	2.2	780	−2
5	3.4	669	−12
6	3.4	659	−13
7	3.9	617	−15
8	5.1	528	−24
9	5.8	481	−29
10	7.0	404	−40

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/30/2002 (Day of Year 89)
NCEP/NCAR Reanalysis 1 Data Set





00UT

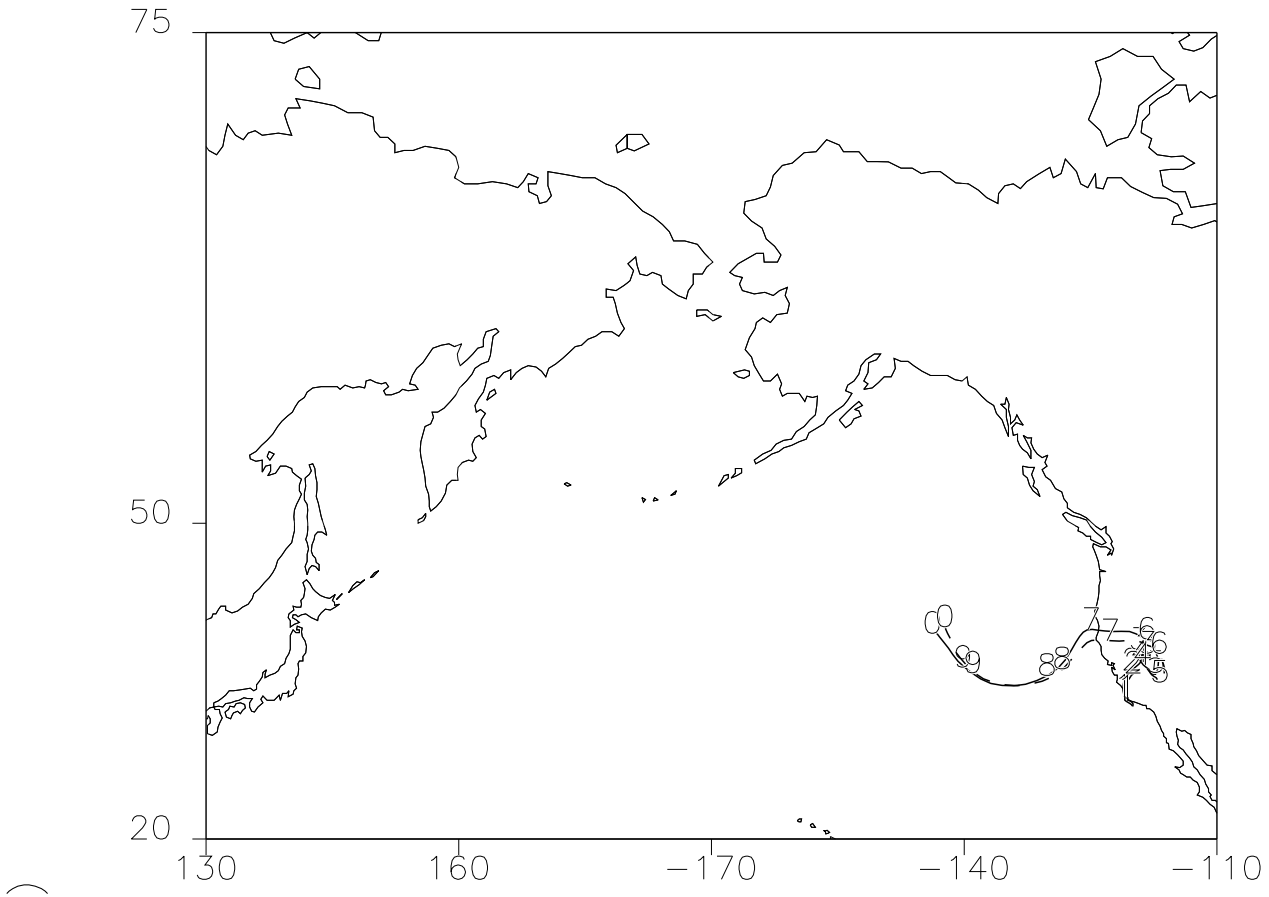
Day	km	hPa	C
0	0.3	980	17
1	0.6	939	14
2	1.0	900	17
3	1.7	829	9
4	1.8	818	5
5	2.5	743	−4
6	2.5	742	−6
7	1.9	795	−2
8	0.9	898	8
9	0.5	944	7
10	0.2	970	8

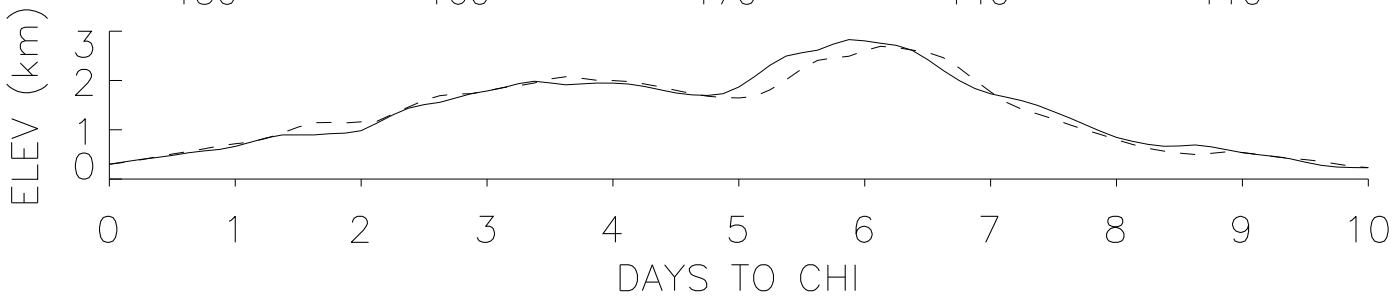
06UT

Day	km	hPa	C
0	0.3	982	14
1	0.7	936	14
2	1.0	902	12
3	1.8	815	6
4	2.0	800	3
5	2.4	756	−3
6	3.0	696	−9
7	2.2	767	−4
8	1.2	873	7
9	0.8	912	6
10	0.4	956	7

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/30/2002 (Day of Year 89)
NCEP/NCAR Reanalysis 1 Data Set





12UT

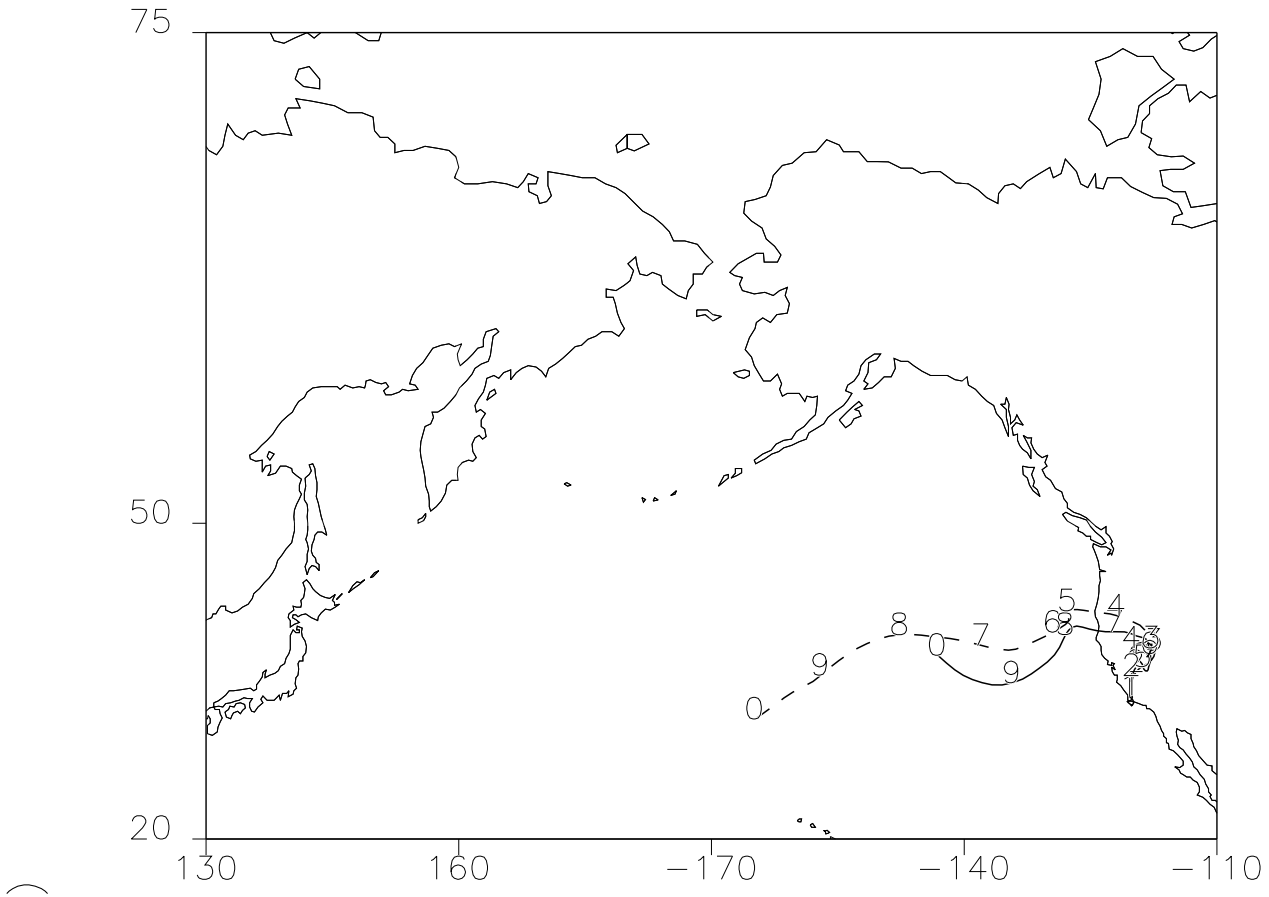
Day	km	hPa	C
0	0.3	982	11
1	0.7	939	14
2	1.0	904	8
3	1.8	819	5
4	1.9	803	1
5	1.9	810	−1
6	2.8	716	−8
7	1.7	817	−1
8	0.8	907	8
9	0.5	939	8
10	0.2	974	9

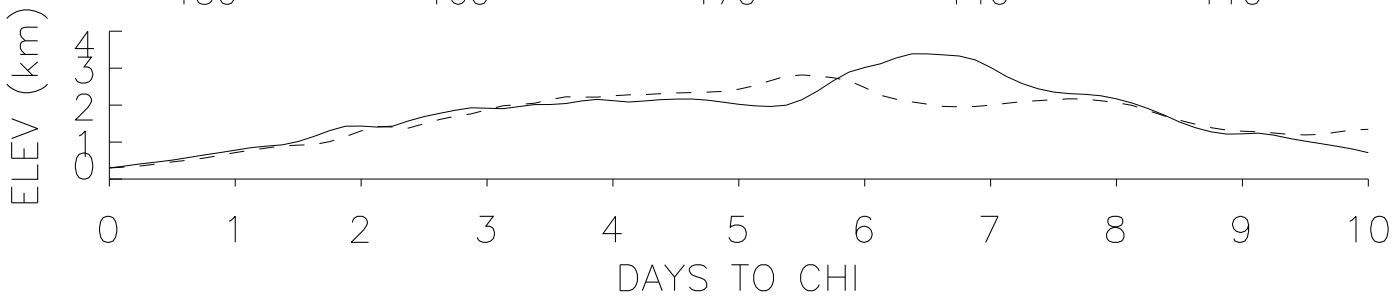
18UT

Day	km	hPa	C
0	0.3	983	16
1	0.7	935	17
2	1.2	885	14
3	1.8	820	7
4	2.0	800	5
5	1.6	835	5
6	2.6	736	−6
7	1.8	816	0
8	0.8	914	7
9	0.5	942	9
10	0.2	974	9

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/31/2002 (Day of Year 90)
NCEP/NCAR Reanalysis 1 Data Set





00UT

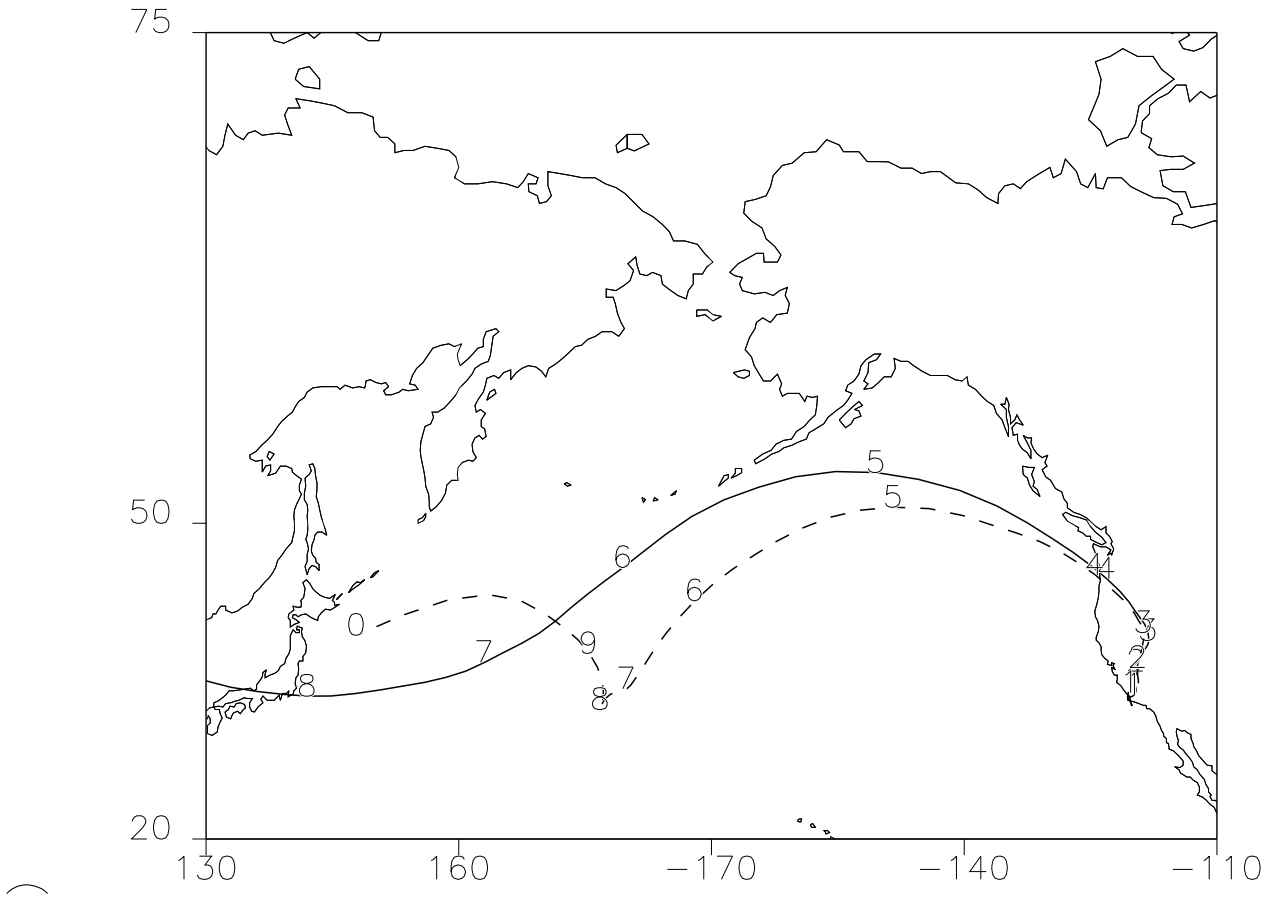
Day	km	hPa	C
0	0.3	980	17
1	0.8	927	19
2	1.4	854	15
3	1.9	808	11
4	2.1	787	6
5	2.0	796	4
6	3.0	699	−8
7	3.0	696	−9
8	2.2	770	−3
9	1.2	867	7
10	0.7	921	6

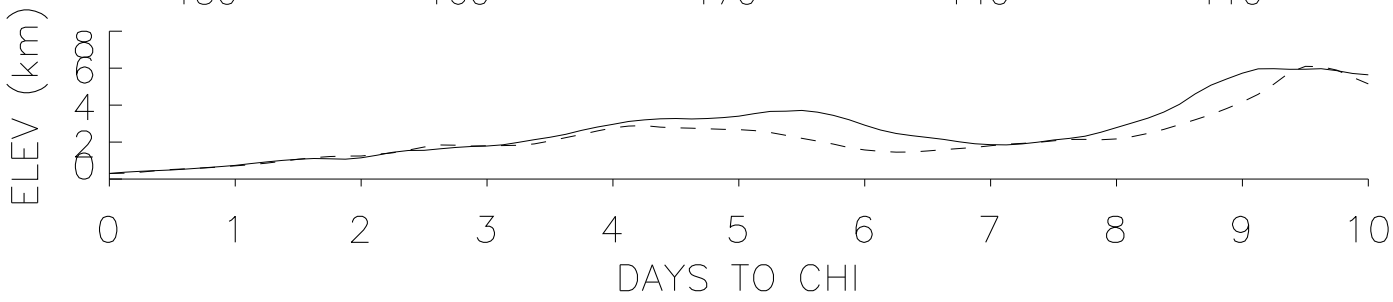
06UT

Day	km	hPa	C
0	0.3	981	14
1	0.7	935	17
2	1.3	870	13
3	1.9	813	6
4	2.3	774	0
5	2.4	756	−1
6	2.5	751	−3
7	2.0	802	3
8	2.1	791	3
9	1.3	870	8
10	1.3	868	9

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
3/31/2002 (Day of Year 90)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	0.3	980	10
1	0.7	931	14
2	1.1	887	12
3	1.8	821	3
4	3.0	703	−7
5	3.4	656	−12
6	2.9	702	−8
7	1.9	808	0
8	2.8	711	−9
9	5.7	468	−40
10	5.6	472	−40

18UT

Day	km	hPa	C
0	0.3	981	16
1	0.7	936	19
2	1.2	878	15
3	1.8	822	7
4	2.8	724	−5
5	2.7	728	−3
6	1.6	844	6
7	1.8	827	10
8	2.2	789	8
9	4.2	608	−9
10	5.2	522	−19

12UT − solid
18UT − dashed