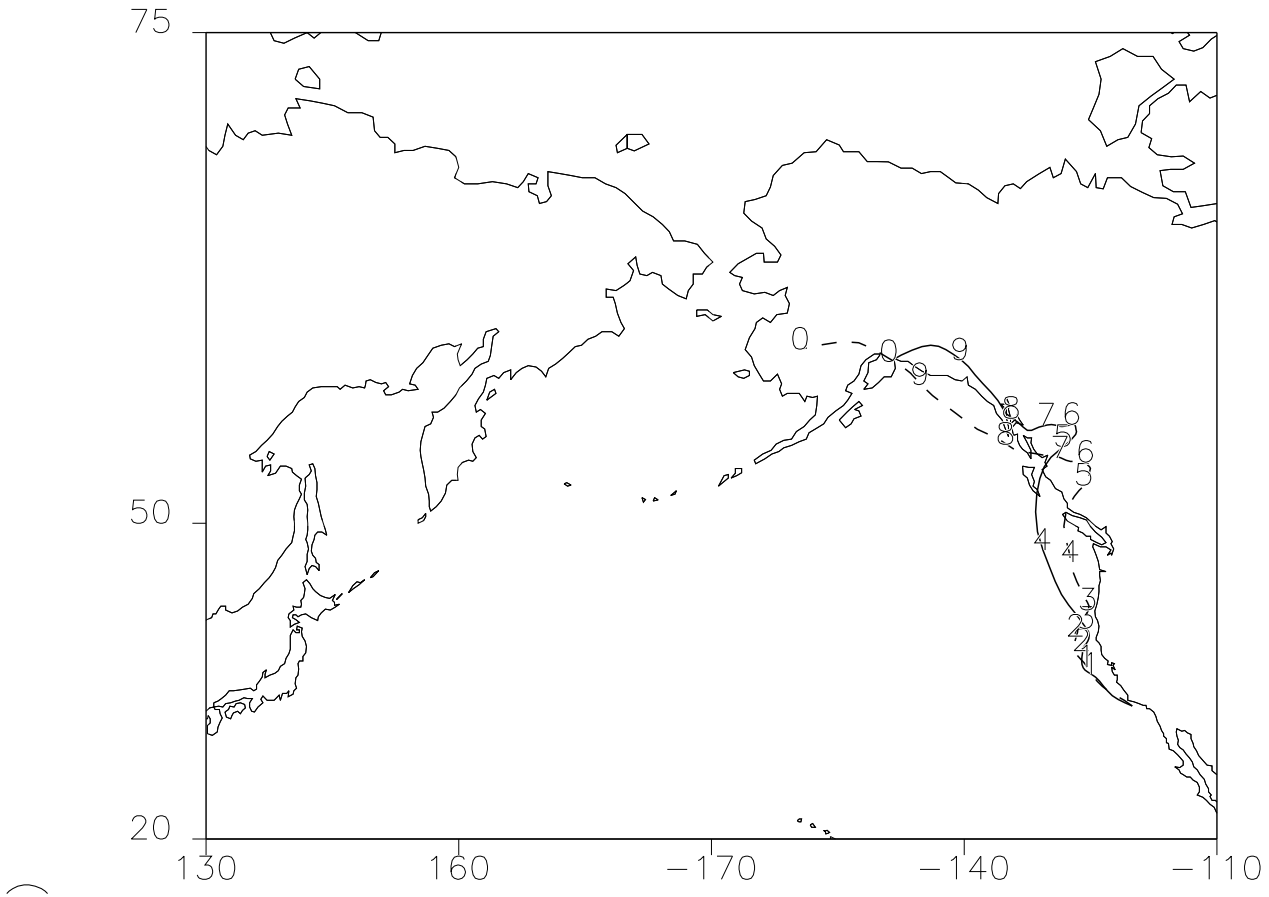
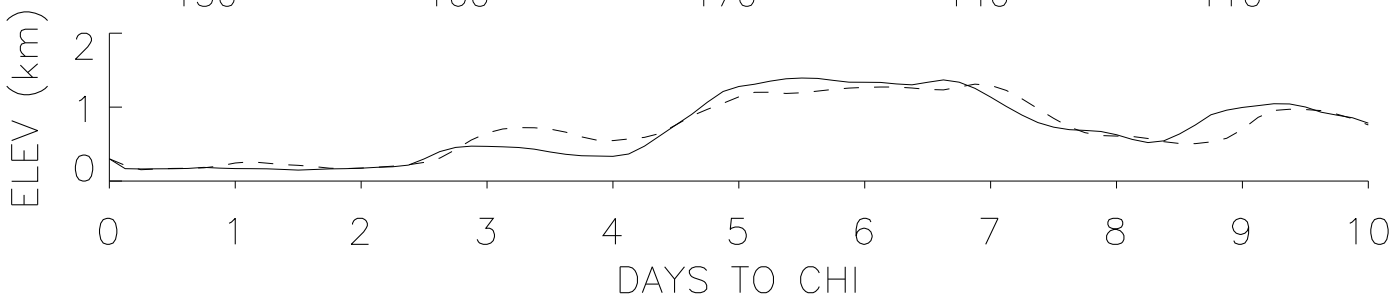
3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/1/2002 (Day of Year 121)
NCEP/NCAR Reanalysis 1 Data Set





00UT

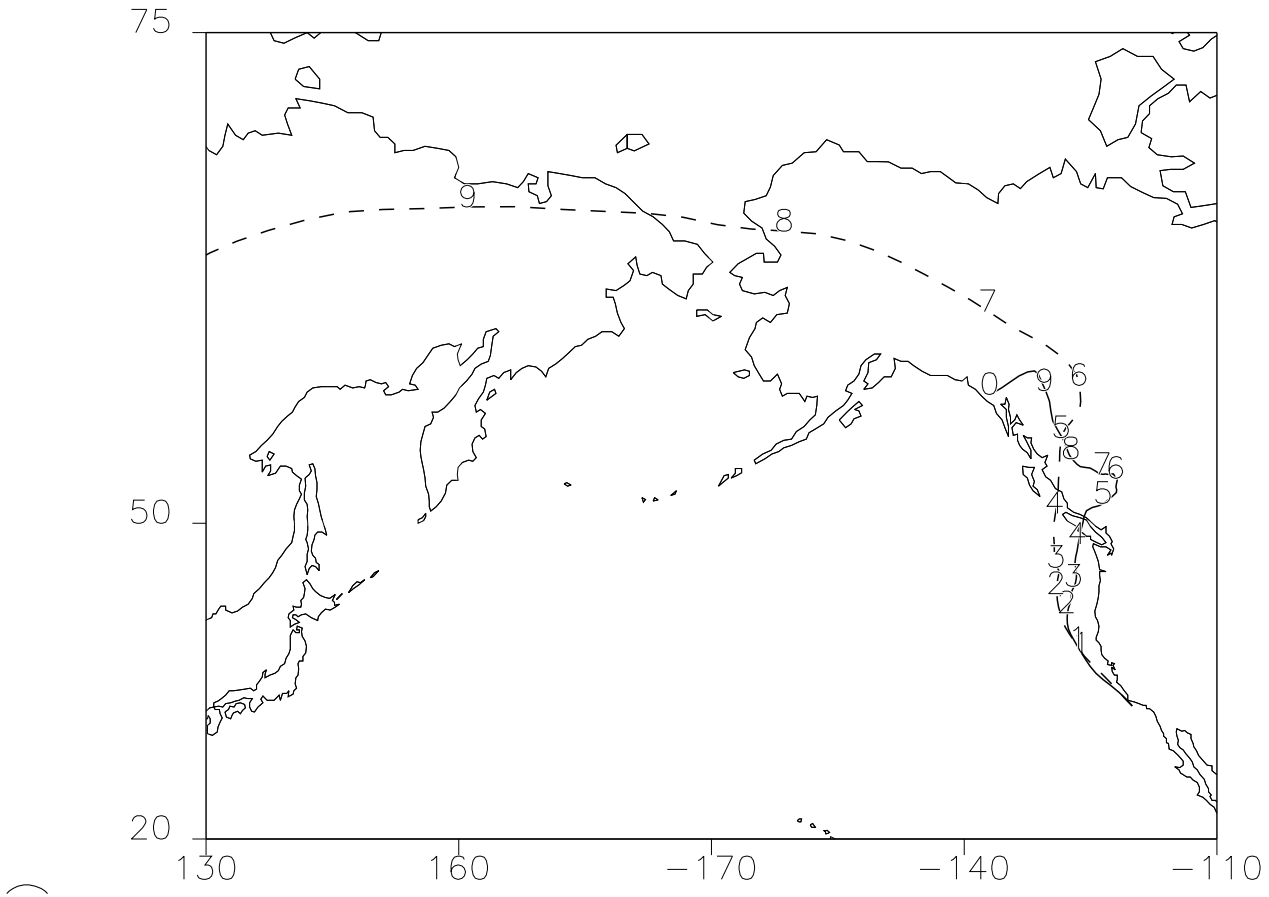
Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	10
2	0.2	1000	9
3	0.5	960	6
4	0.3	976	6
5	1.3	875	−3
6	1.3	871	−4
7	1.1	893	−4
8	0.6	948	−1
9	1.0	893	−5
10	0.8	920	−1

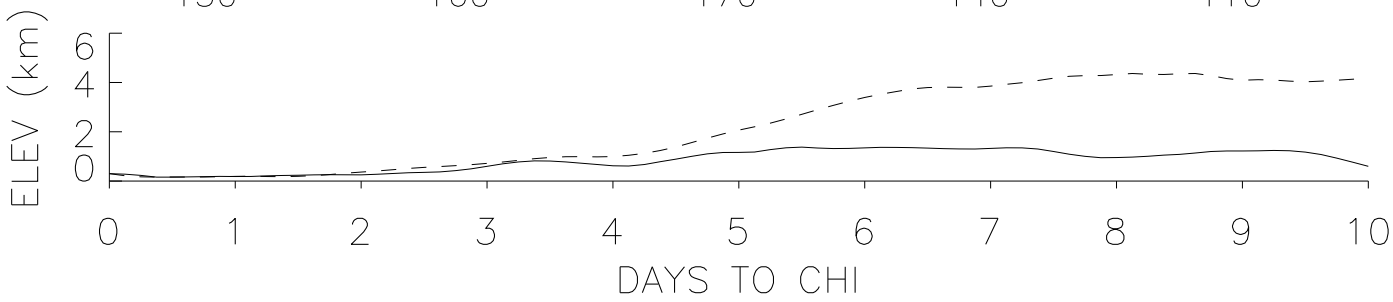
06UT

Day	km	hPa	C
0	0.3	982	10
1	0.2	993	9
2	0.2	999	9
3	0.7	941	6
4	0.5	946	5
5	1.1	886	−2
6	1.3	877	−4
7	1.3	876	−5
8	0.6	953	−1
9	0.7	934	−1
10	0.8	919	−7

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/1/2002 (Day of Year 121)
NCEP/NCAR Reanalysis 1 Data Set





12UT

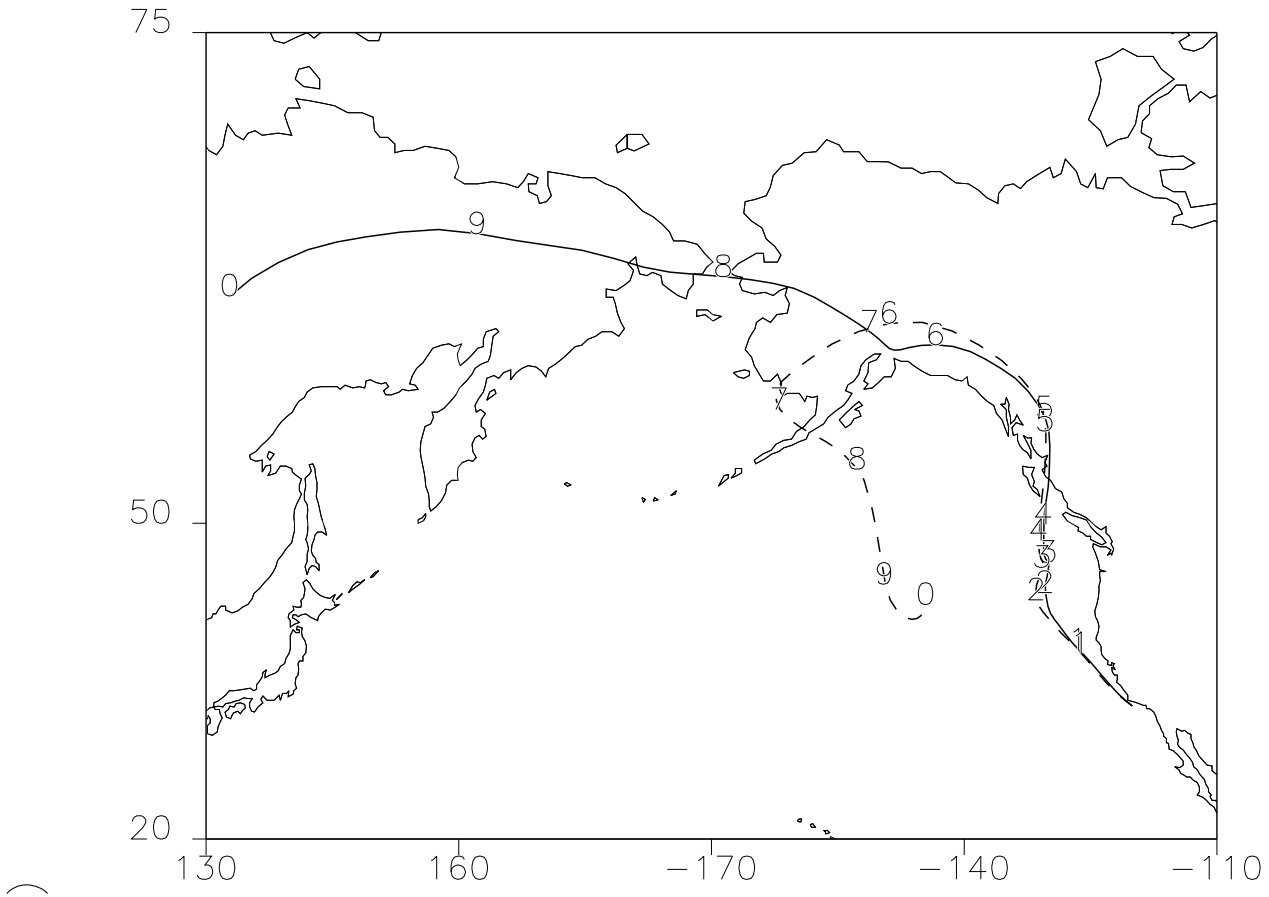
Day	km	hPa	C
0	0.3	982	10
1	0.2	998	9
2	0.3	989	8
3	0.6	949	5
4	0.6	938	5
5	1.2	881	−2
6	1.3	867	−5
7	1.3	873	−6
8	1.0	912	−6
9	1.2	869	−9
10	0.6	939	0

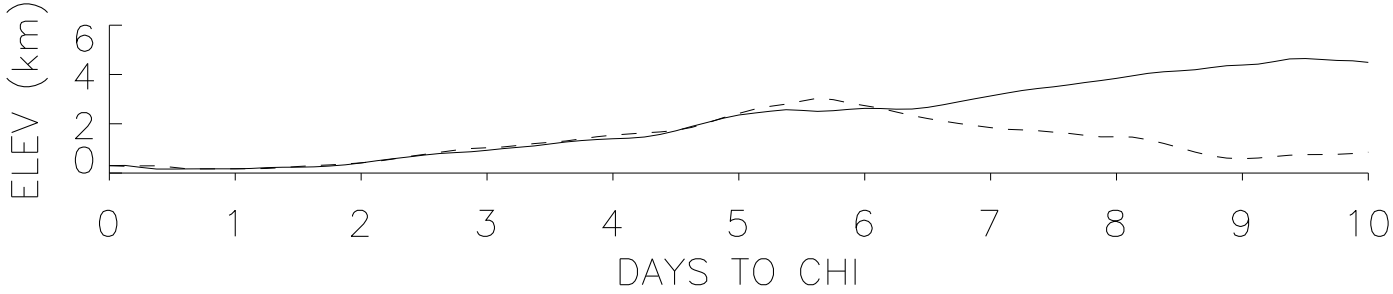
18UT

Day	km	hPa	C
0	0.3	982	12
1	0.2	999	9
2	0.4	978	6
3	0.7	938	4
4	1.0	900	4
5	2.1	790	−7
6	3.4	662	−23
7	3.9	620	−26
8	4.3	576	−30
9	4.1	591	−28
10	4.2	580	−32

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/2/2002 (Day of Year 122)
NCEP/NCAR Reanalysis 1 Data Set





00UT

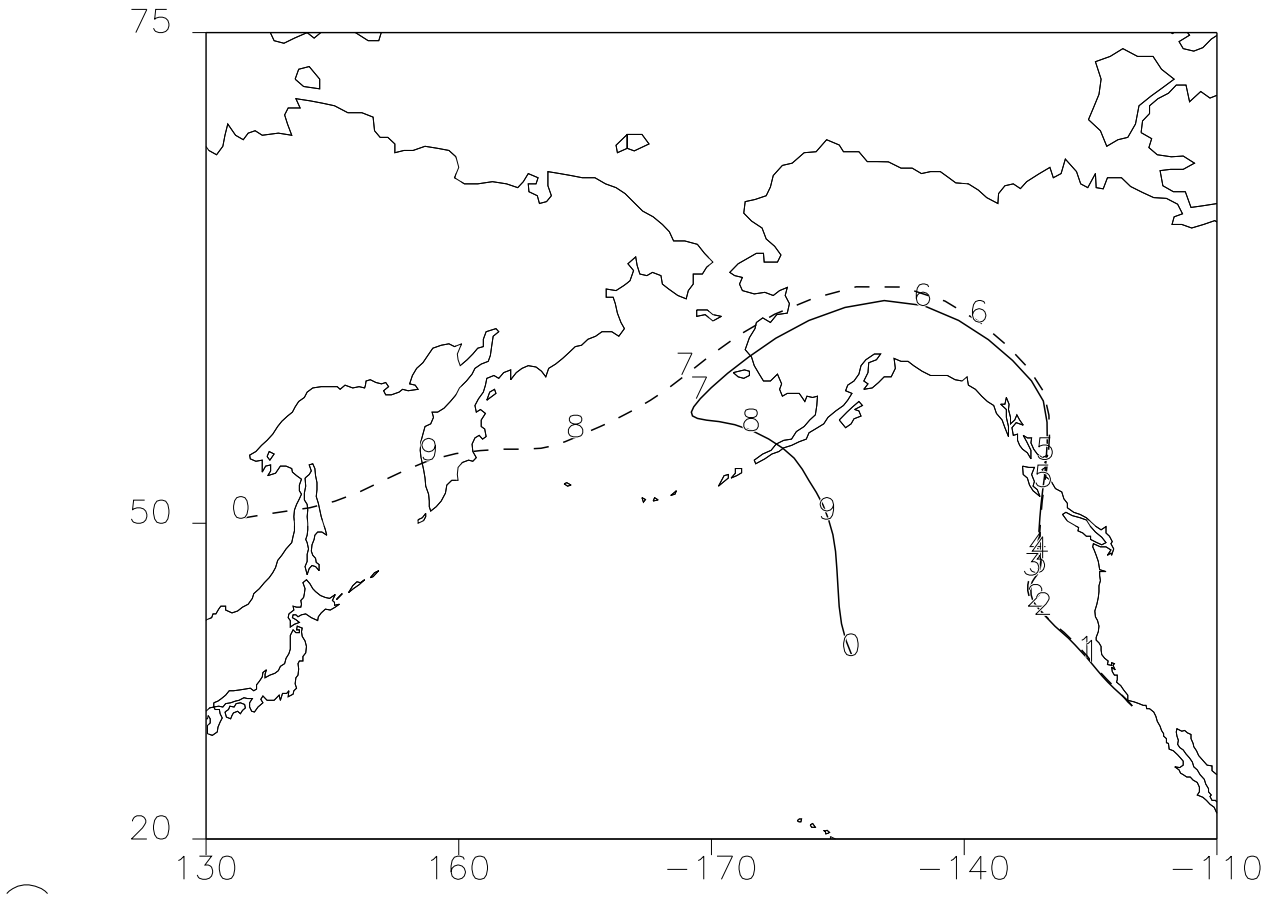
Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	8
2	0.4	973	6
3	0.9	914	2
4	1.4	859	4
5	2.4	761	−6
6	2.6	740	−11
7	3.1	691	−15
8	3.8	623	−22
9	4.4	573	−28
10	4.5	559	−30

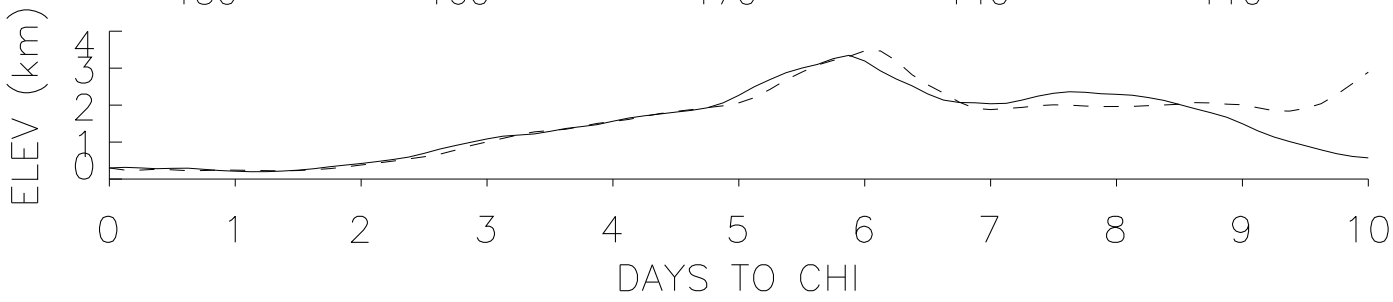
06UT

Day	km	hPa	C
0	0.3	981	11
1	0.2	1000	8
2	0.4	973	5
3	1.0	902	3
4	1.5	846	4
5	2.4	752	−6
6	2.7	725	−11
7	1.8	815	−4
8	1.5	851	−1
9	0.6	958	8
10	0.8	934	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/2/2002 (Day of Year 122)
NCEP/NCAR Reanalysis 1 Data Set





12UT

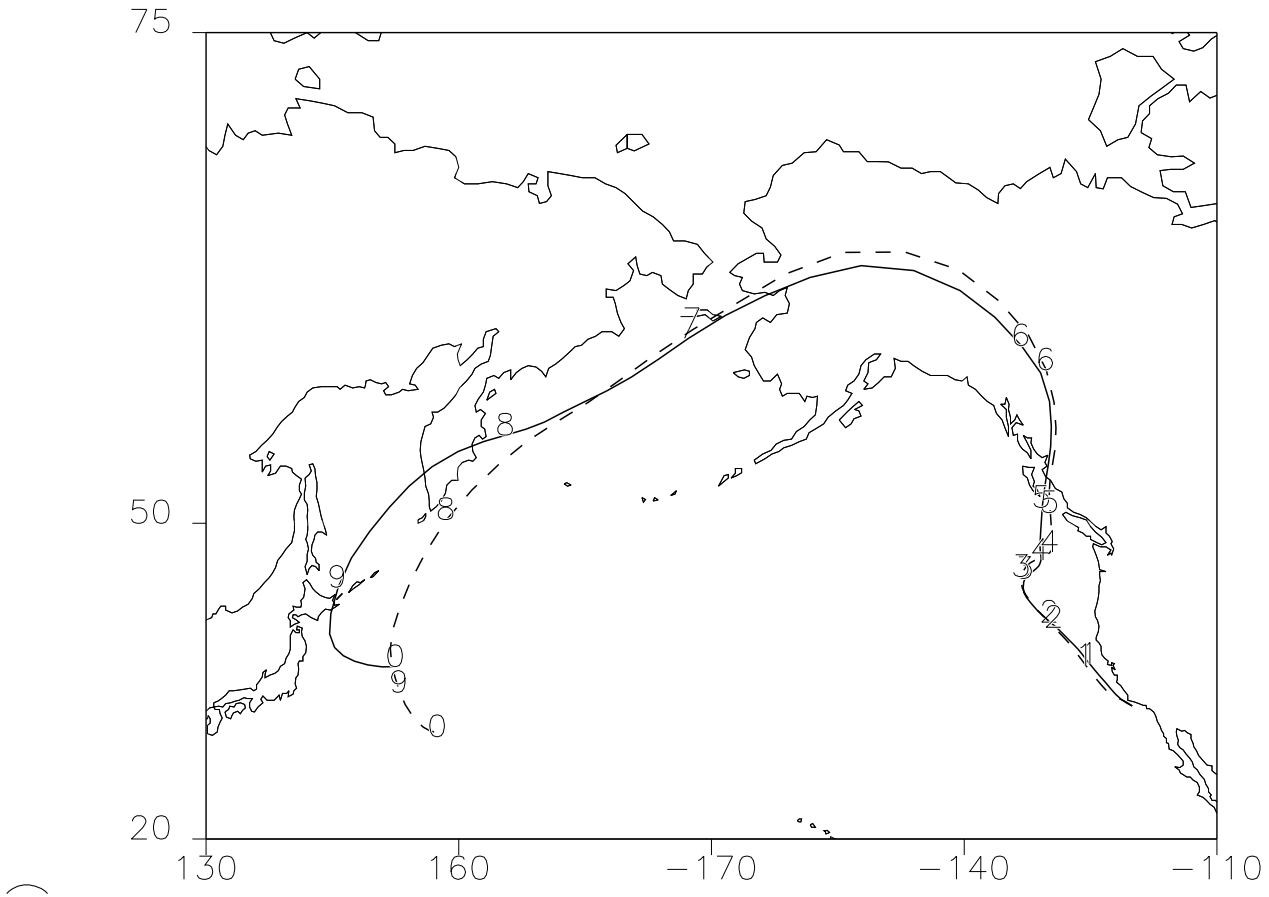
Day	km	hPa	C
0	0.3	981	10
1	0.2	995	7
2	0.4	972	5
3	1.1	895	2
4	1.6	844	4
5	2.3	768	−3
6	3.2	681	−13
7	2.0	792	−5
8	2.3	765	−5
9	1.5	848	3
10	0.6	959	11

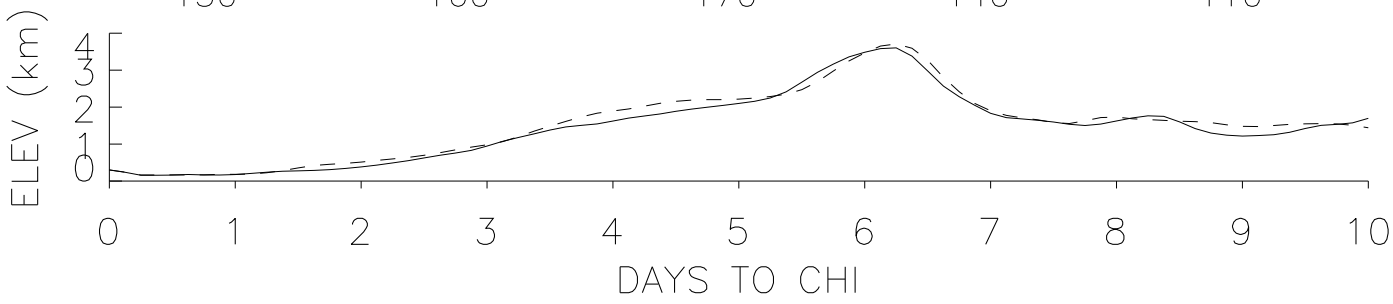
18UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	992	9
2	0.4	977	5
3	1.0	905	2
4	1.6	845	5
5	2.1	790	1
6	3.5	655	−14
7	1.9	806	−1
8	2.0	801	−2
9	2.0	795	−4
10	2.9	704	−12

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/3/2002 (Day of Year 123)
NCEP/NCAR Reanalysis 1 Data Set





00UT

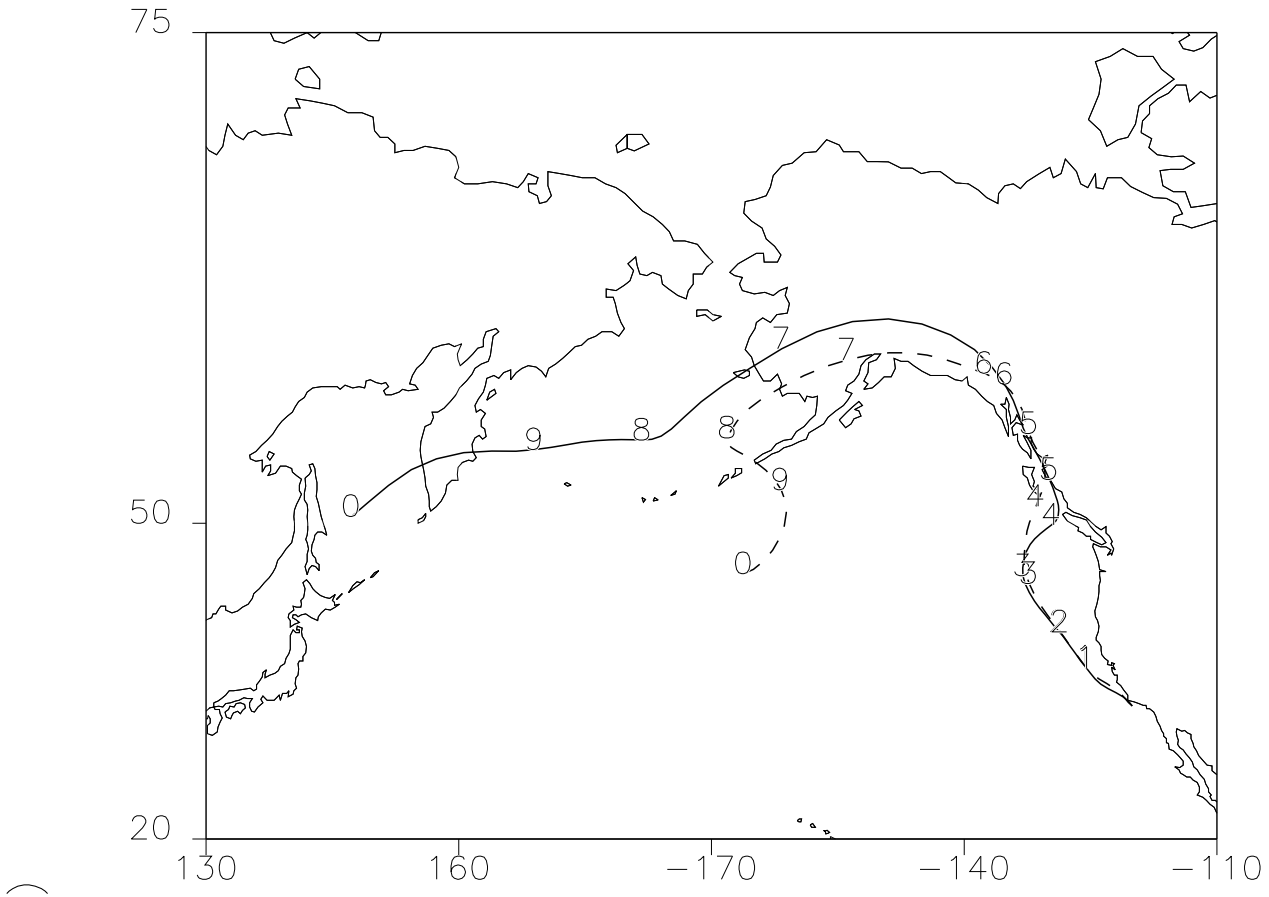
Day	km	hPa	C
0	0.3	982	13
1	0.2	999	10
2	0.4	975	5
3	0.9	912	2
4	1.6	839	4
5	2.1	787	2
6	3.5	653	−13
7	1.8	805	2
8	1.6	830	8
9	1.2	878	11
10	1.7	837	9

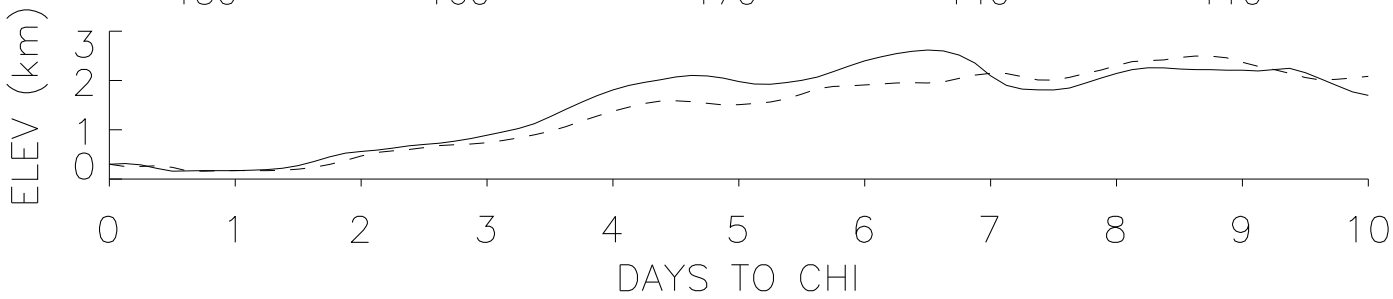
06UT

Day	km	hPa	C
0	0.3	983	12
1	0.2	999	10
2	0.5	959	5
3	1.0	908	2
4	1.9	811	3
5	2.2	776	3
6	3.5	655	−11
7	1.9	796	5
8	1.7	825	10
9	1.5	857	11
10	1.4	859	11

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/3/2002 (Day of Year 123)
NCEP/NCAR Reanalysis 1 Data Set





12UT

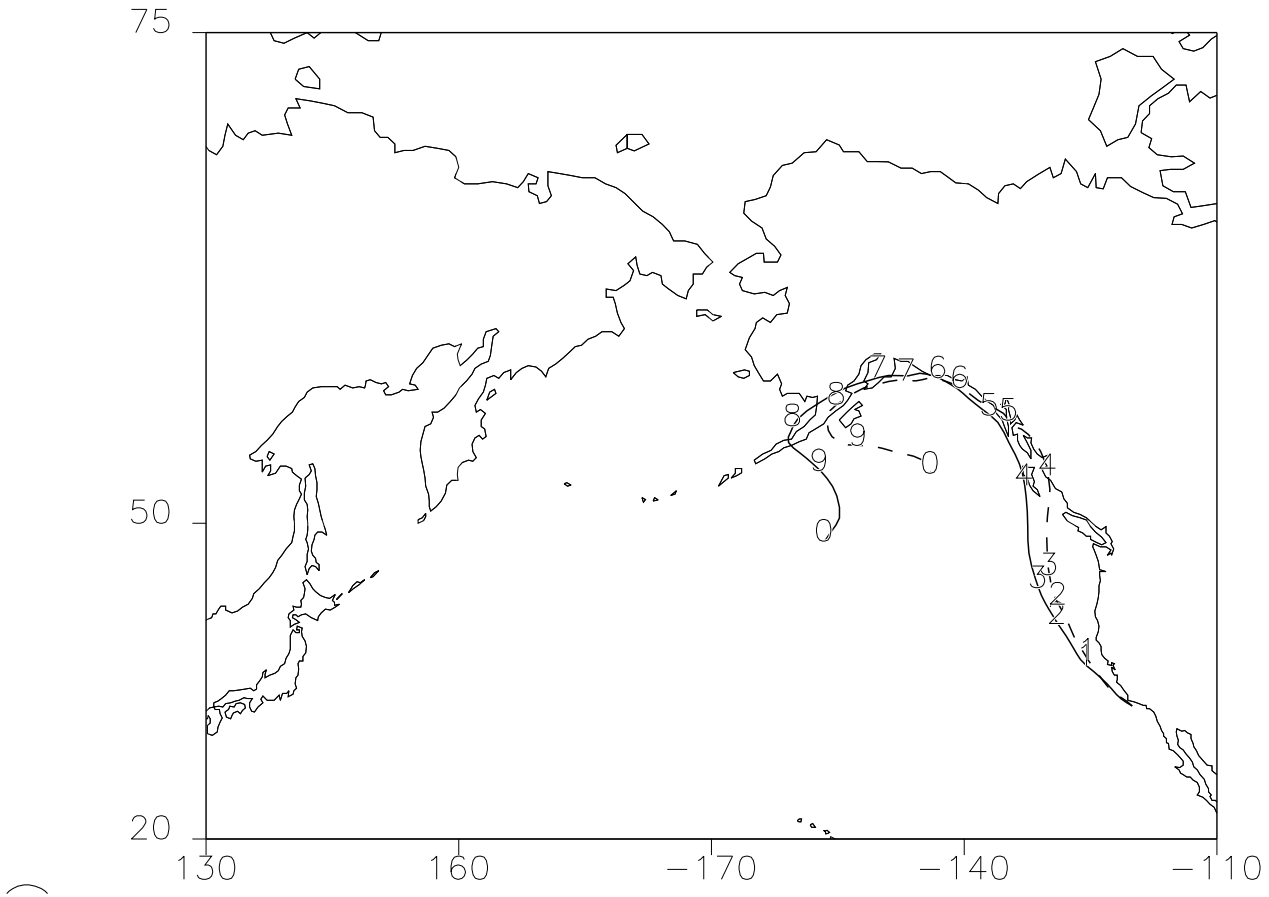
Day	km	hPa	C
0	0.3	982	10
1	0.2	1000	9
2	0.6	953	4
3	0.9	918	3
4	1.8	820	4
5	2.0	799	4
6	2.4	758	−2
7	2.1	787	0
8	2.1	784	−1
9	2.2	776	−2
10	1.7	828	4

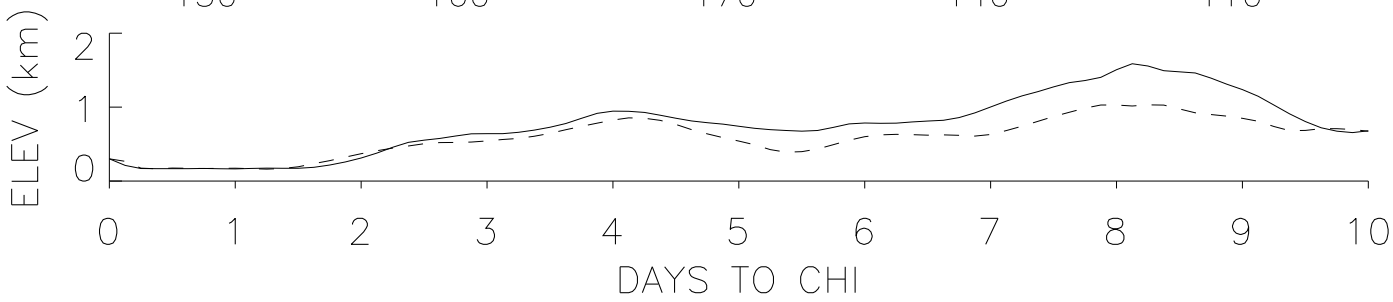
18UT

Day	km	hPa	C
0	0.3	984	14
1	0.2	1000	10
2	0.5	966	5
3	0.7	934	4
4	1.4	867	7
5	1.5	848	5
6	1.9	805	0
7	2.1	786	−1
8	2.3	770	−4
9	2.4	754	−6
10	2.1	785	−1

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/4/2002 (Day of Year 124)
NCEP/NCAR Reanalysis 1 Data Set





00UT

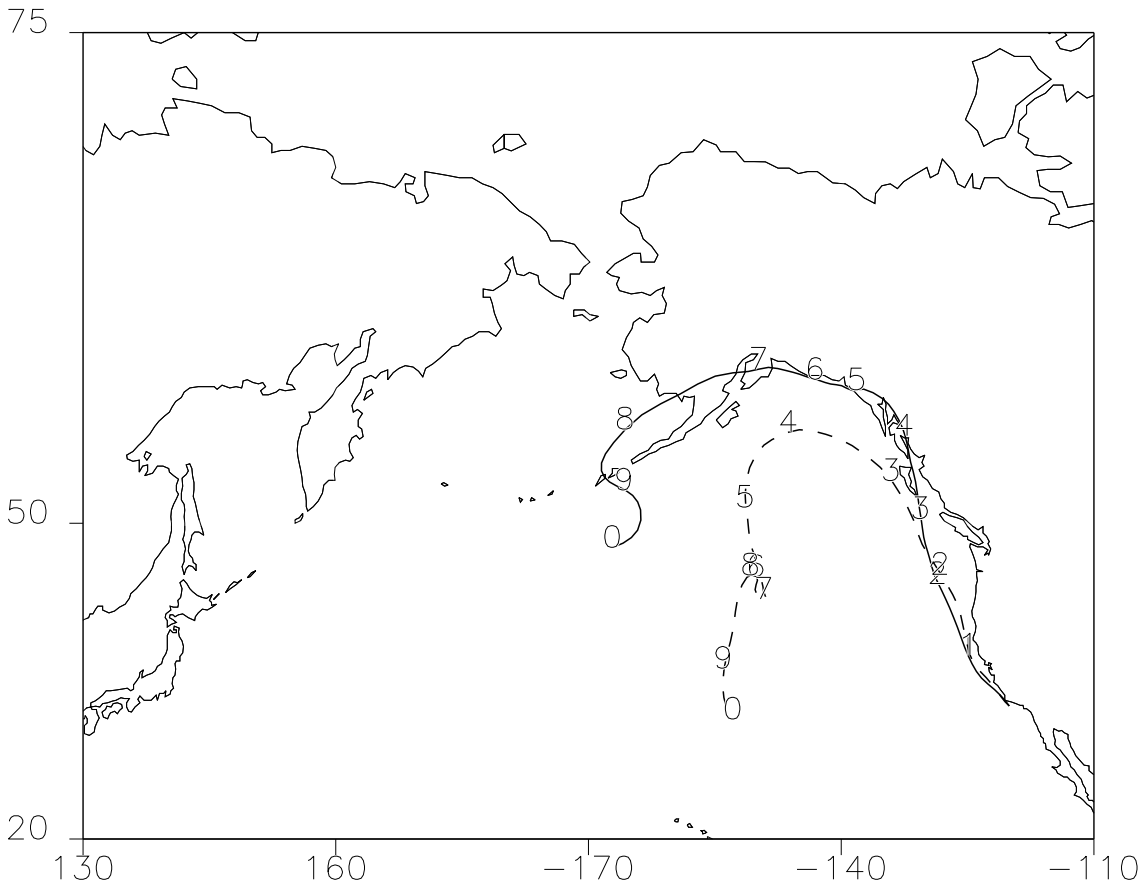
Day	km	hPa	C
0	0.3	981	14
1	0.2	1000	11
2	0.3	984	7
3	0.6	943	6
4	0.9	914	8
5	0.7	936	7
6	0.8	928	3
7	1.0	909	−1
8	1.5	856	−2
9	1.2	876	−1
10	0.7	935	9

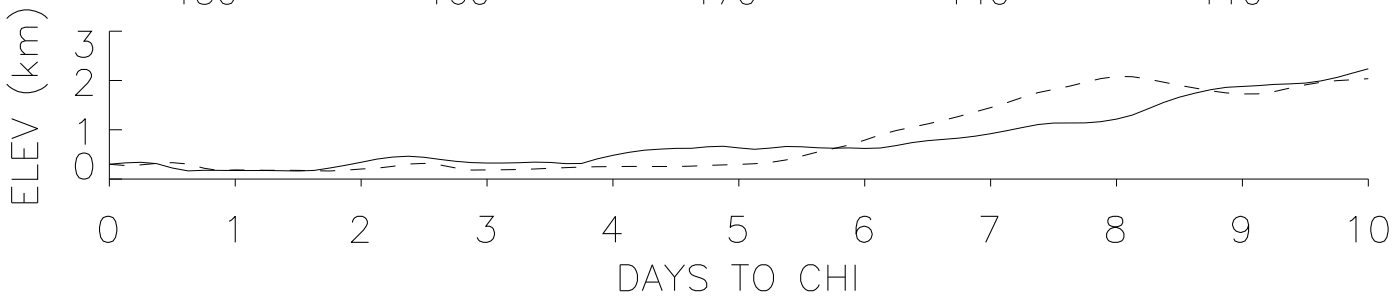
06UT

Day	km	hPa	C
0	0.3	982	12
1	0.2	1000	10
2	0.4	976	6
3	0.5	953	9
4	0.8	924	7
5	0.5	959	7
6	0.6	949	3
7	0.6	950	1
8	1.0	909	−2
9	0.8	923	0
10	0.7	944	0

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/4/2002 (Day of Year 124)
NCEP/NCAR Reanalysis 1 Data Set





12UT

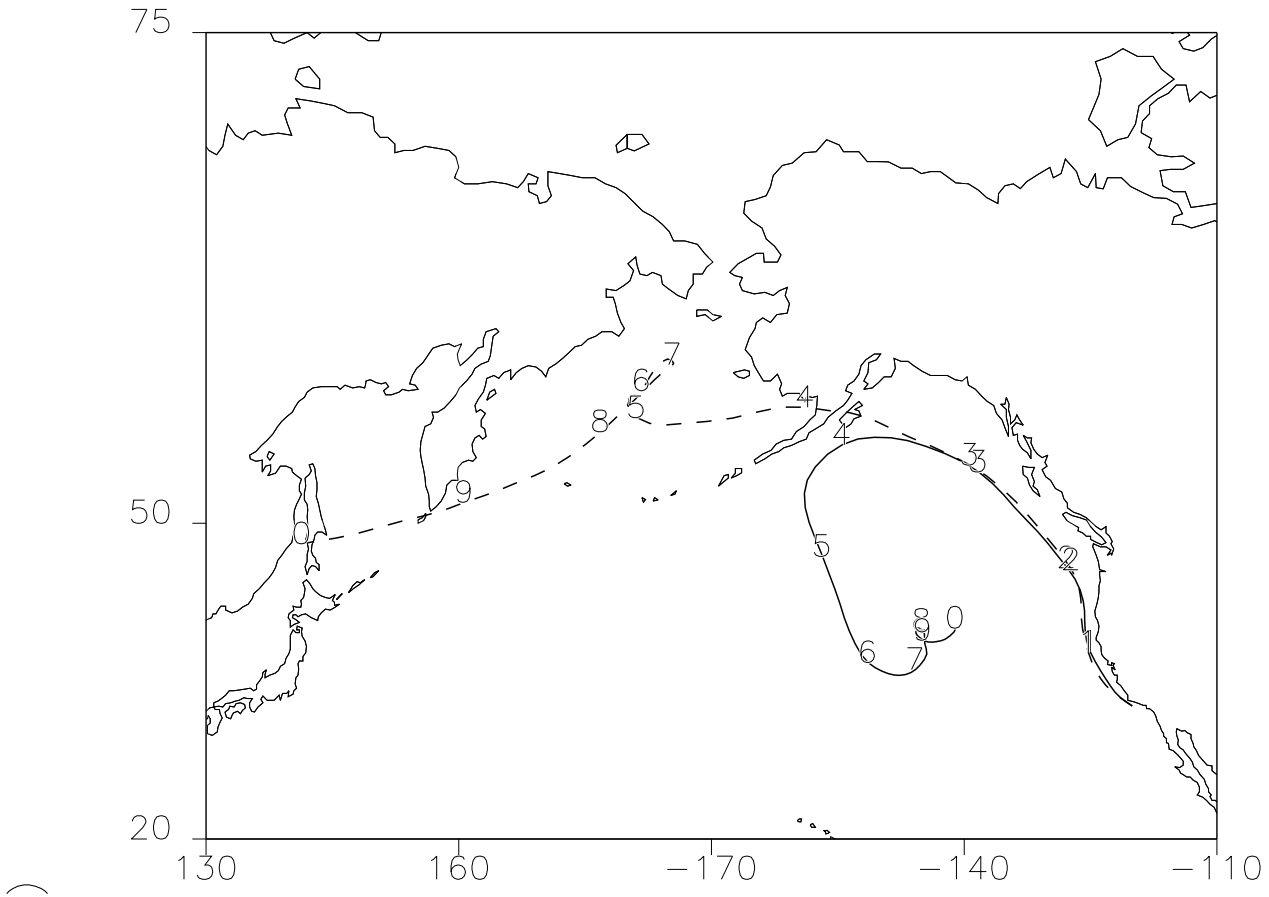
Day	km	hPa	C
0	0.3	983	10
1	0.2	1000	9
2	0.3	978	7
3	0.3	979	9
4	0.5	965	7
5	0.6	948	7
6	0.6	947	3
7	0.9	916	0
8	1.2	887	1
9	1.9	809	−4
10	2.2	765	−9

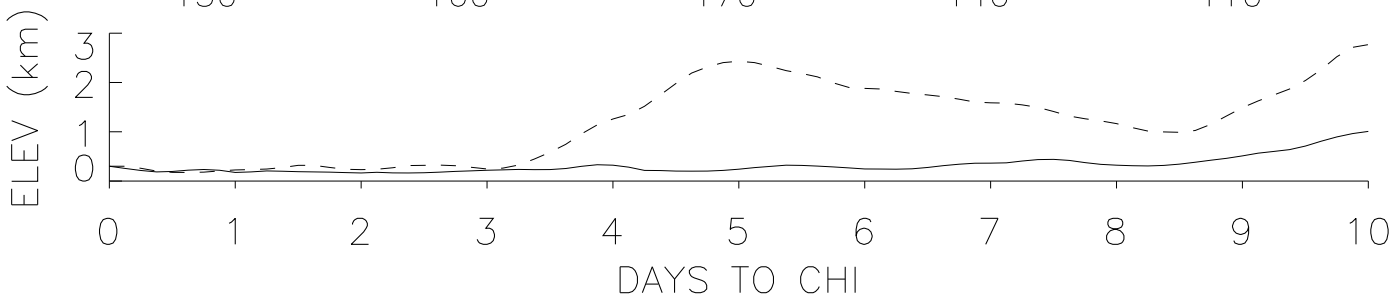
18UT

Day	km	hPa	C
0	0.3	983	15
1	0.2	1000	11
2	0.2	996	7
3	0.2	1000	5
4	0.3	1000	4
5	0.3	996	6
6	0.8	939	5
7	1.4	868	6
8	2.1	803	4
9	1.7	834	9
10	2.0	803	7

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/5/2002 (Day of Year 125)
NCEP/NCAR Reanalysis 1 Data Set





00UT

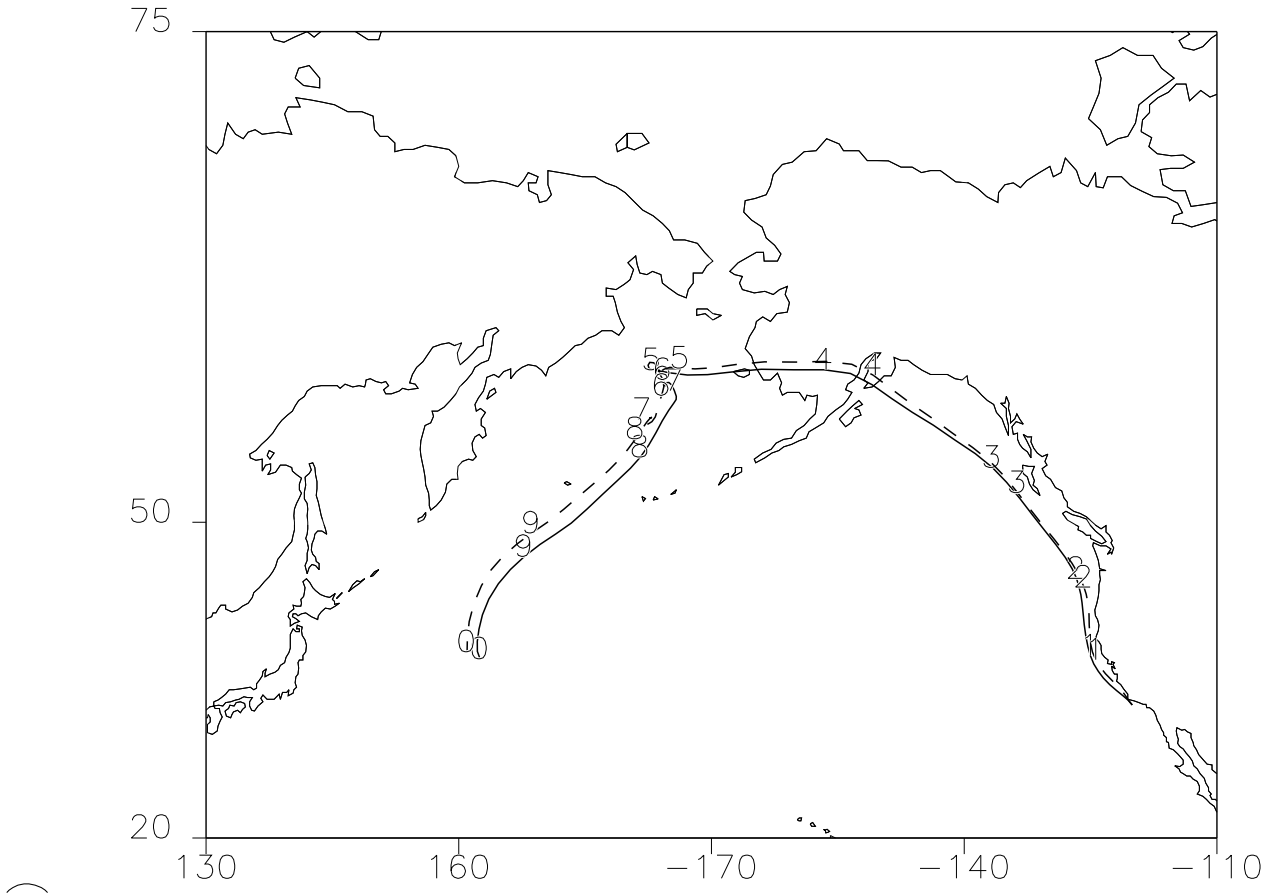
Day	km	hPa	C
0	0.3	981	14
1	0.2	999	13
2	0.2	1000	7
3	0.2	1000	4
4	0.3	990	5
5	0.2	994	9
6	0.2	1000	13
7	0.4	988	11
8	0.3	995	10
9	0.5	972	10
10	1.0	913	8

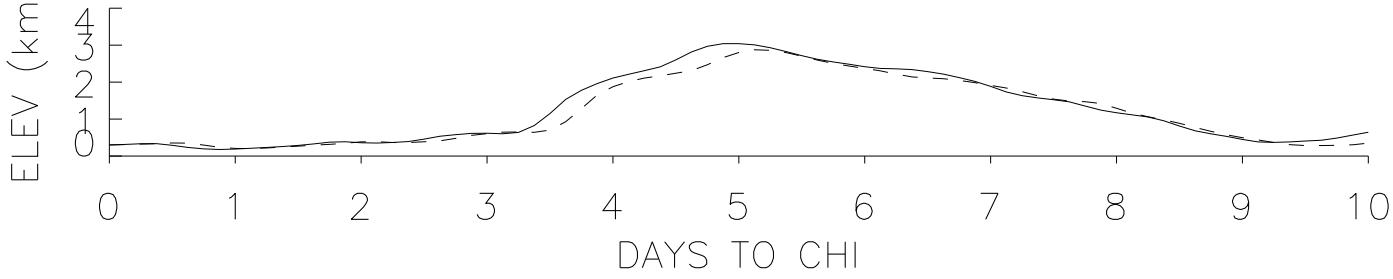
06UT

Day	km	hPa	C
0	0.3	982	13
1	0.2	994	9
2	0.2	994	5
3	0.2	994	2
4	1.3	877	−6
5	2.4	740	−15
6	1.9	794	−8
7	1.6	828	−5
8	1.2	877	−1
9	1.5	845	−2
10	2.8	705	−17

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/5/2002 (Day of Year 125)
NCEP/NCAR Reanalysis 1 Data Set





12UT

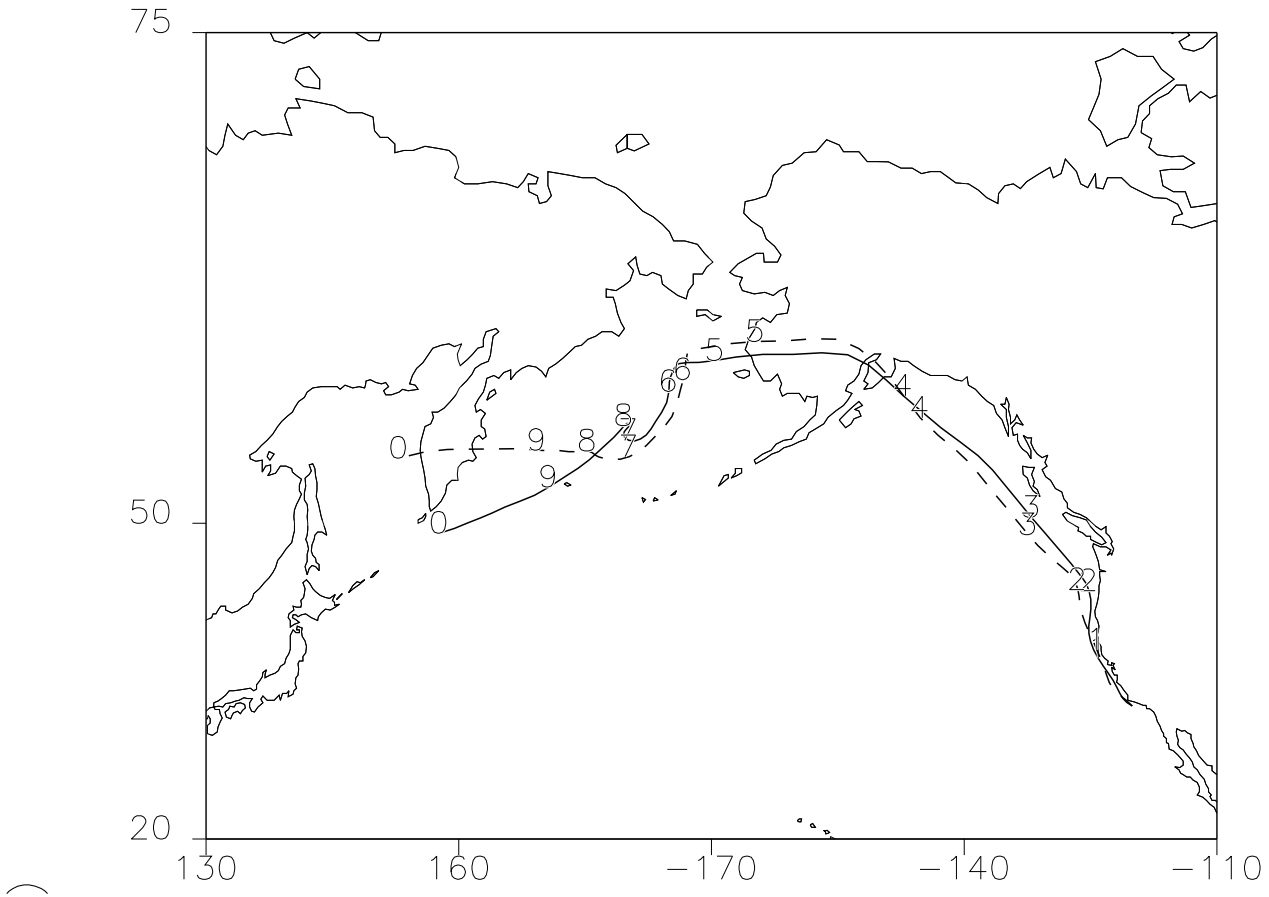
Day	km	hPa	C
0	0.3	983	10
1	0.2	999	8
2	0.4	980	4
3	0.6	945	0
4	2.1	784	−13
5	3.0	681	−18
6	2.4	740	−10
7	1.9	796	−4
8	1.2	881	1
9	0.4	972	8
10	0.6	958	11

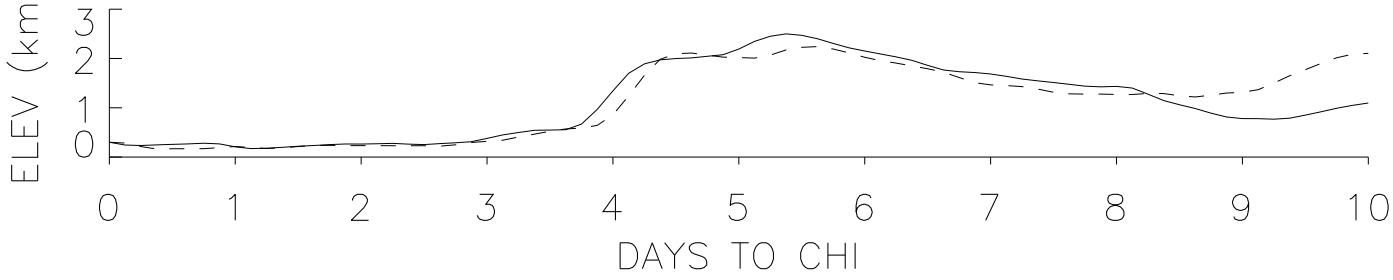
18UT

Day	km	hPa	C
0	0.3	983	16
1	0.2	996	13
2	0.4	981	5
3	0.6	946	1
4	1.9	806	−11
5	2.8	703	−19
6	2.4	744	−12
7	1.9	789	−7
8	1.3	863	−2
9	0.5	961	5
10	0.4	989	13

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/6/2002 (Day of Year 126)
NCEP/NCAR Reanalysis 1 Data Set





00UT

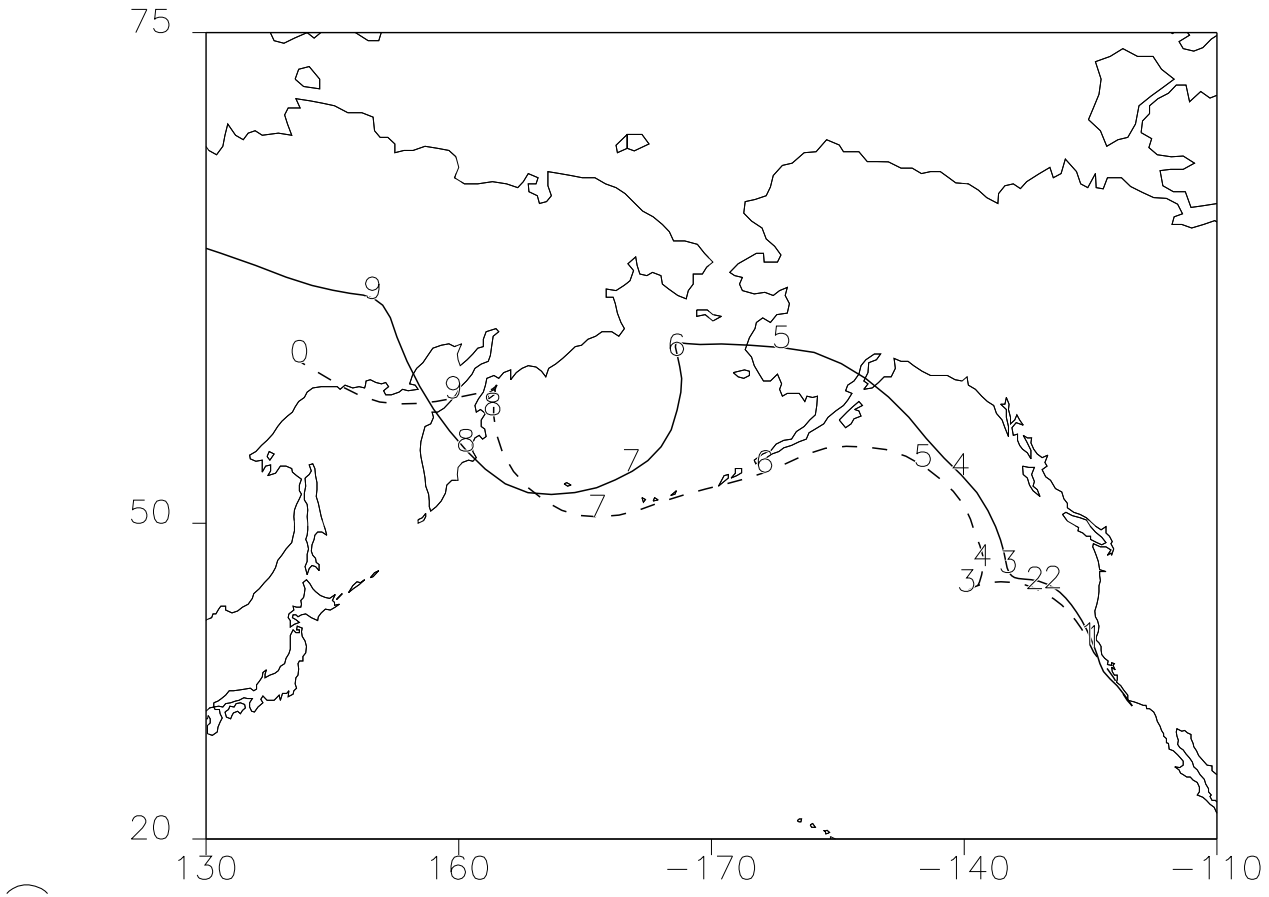
Day	km	hPa	C
0	0.3	982	16
1	0.2	995	15
2	0.3	994	8
3	0.4	975	4
4	1.3	865	−5
5	2.2	765	−15
6	2.2	767	−11
7	1.7	814	−6
8	1.4	846	−5
9	0.8	923	3
10	1.1	889	0

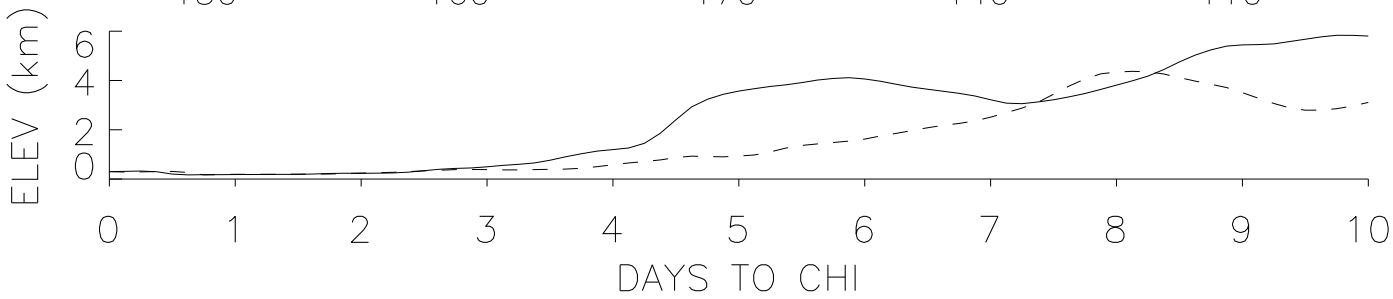
06UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	996	12
2	0.2	998	6
3	0.3	986	5
4	0.9	920	−2
5	2.0	786	−13
6	2.0	780	−11
7	1.5	839	−6
8	1.3	862	−6
9	1.3	860	−4
10	2.1	771	−12

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/6/2002 (Day of Year 126)
NCEP/NCAR Reanalysis 1 Data Set





12UT

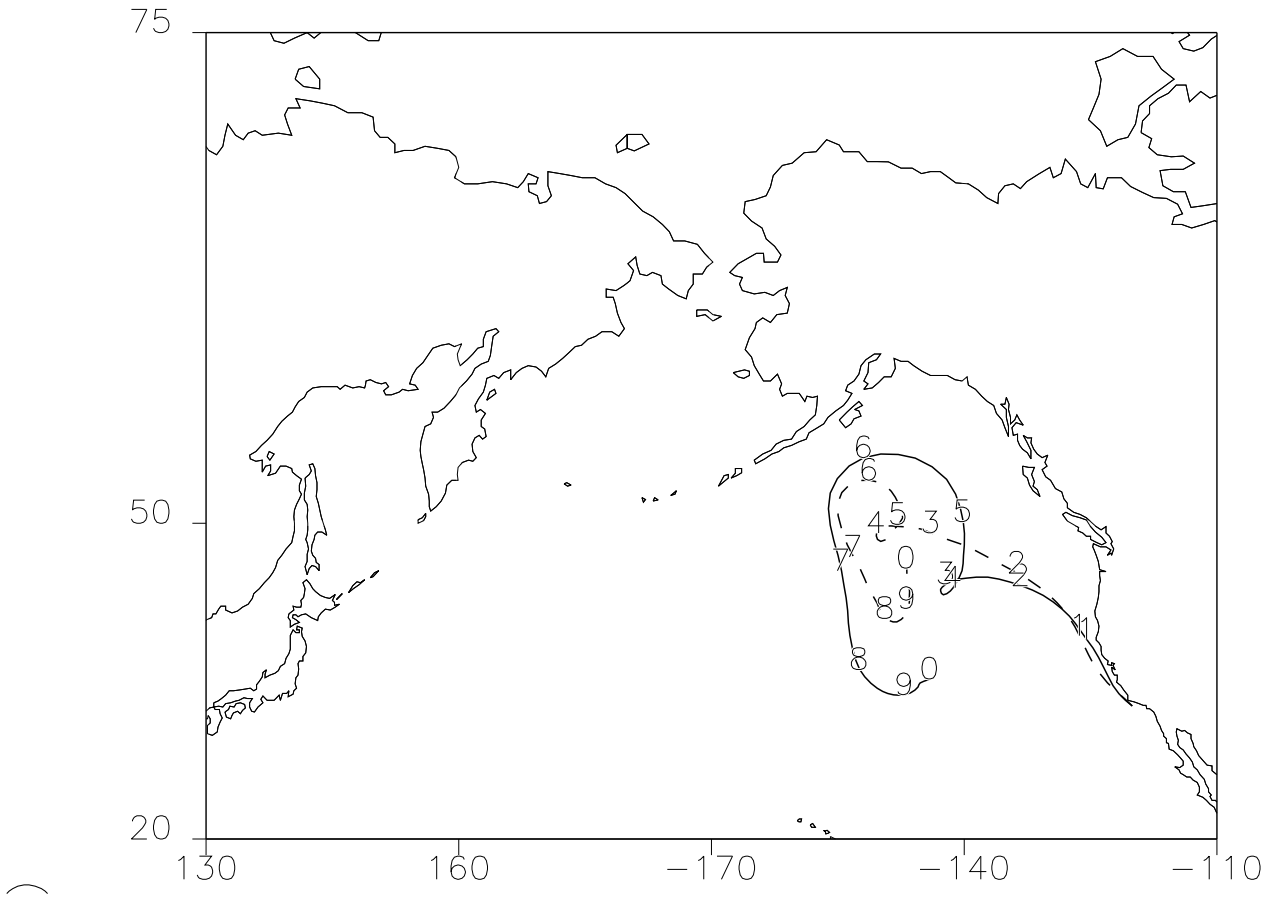
Day	km	hPa	C
0	0.3	981	13
1	0.2	999	10
2	0.2	998	6
3	0.5	969	3
4	1.2	884	−1
5	3.6	641	−23
6	4.1	594	−25
7	3.2	668	−17
8	3.8	619	−20
9	5.4	482	−40
10	5.8	450	−43

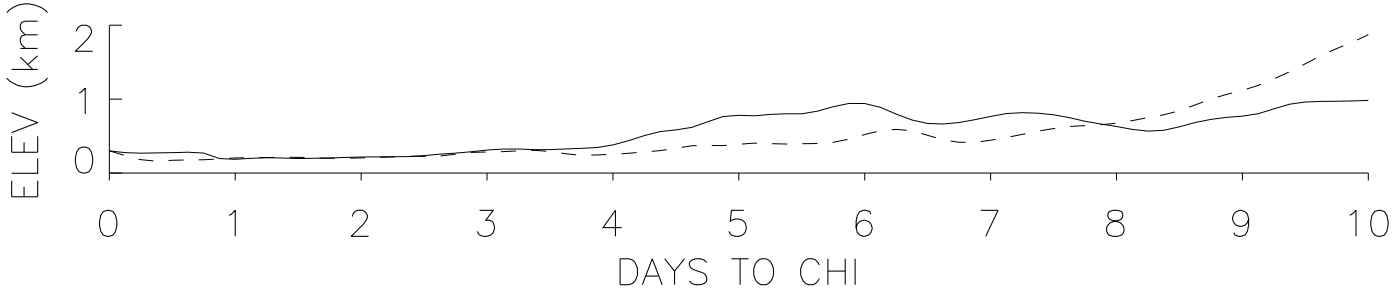
18UT

Day	km	hPa	C
0	0.3	982	17
1	0.2	1000	13
2	0.2	998	7
3	0.4	984	6
4	0.6	959	4
5	0.9	920	3
6	1.6	838	−1
7	2.5	739	−11
8	4.3	571	−28
9	3.5	639	−20
10	3.1	669	−19

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/7/2002 (Day of Year 127)
NCEP/NCAR Reanalysis 1 Data Set





00UT

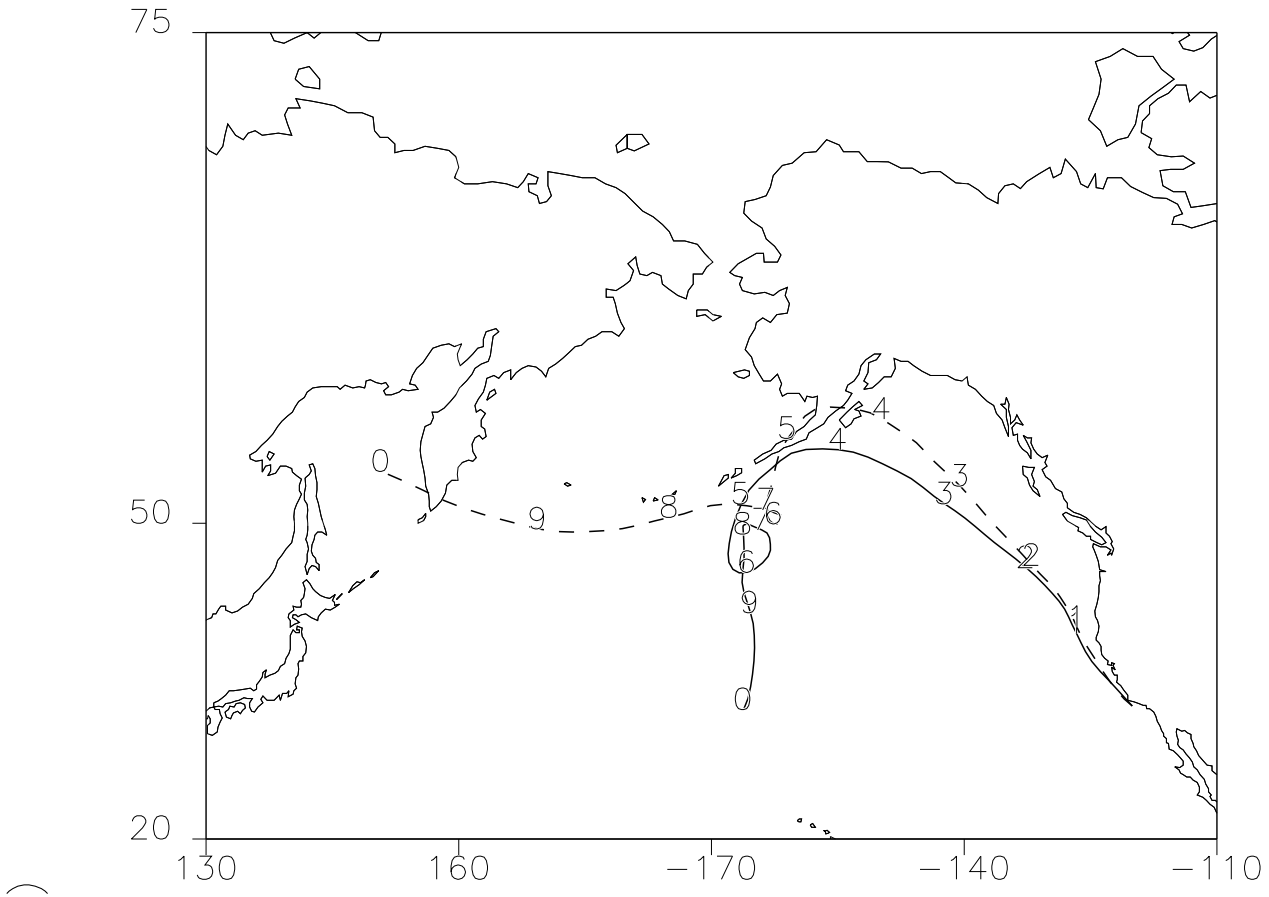
Day	km	hPa	C
0	0.3	980	16
1	0.2	1000	12
2	0.2	999	8
3	0.3	992	8
4	0.4	983	6
5	0.8	936	7
6	0.9	920	6
7	0.8	935	8
8	0.6	954	10
9	0.8	939	8
10	1.0	917	6

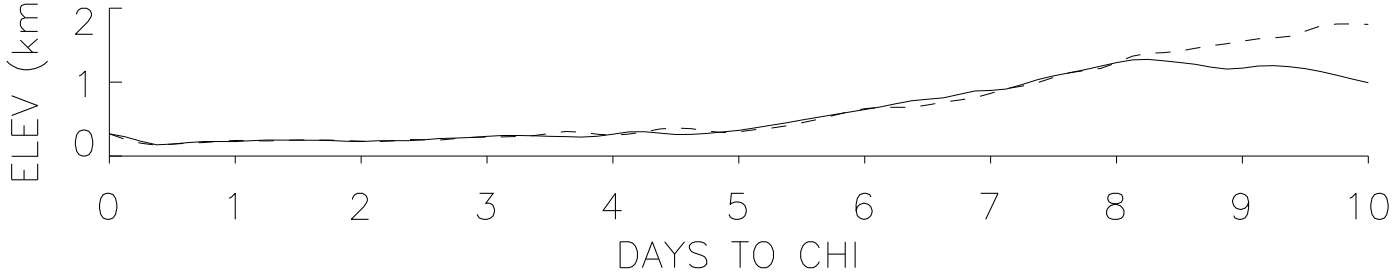
06UT

Day	km	hPa	C
0	0.3	980	14
1	0.2	1000	9
2	0.2	1000	7
3	0.3	990	6
4	0.3	1000	5
5	0.4	986	5
6	0.5	970	6
7	0.4	975	7
8	0.7	950	7
9	1.1	903	5
10	1.9	823	3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/7/2002 (Day of Year 127)
NCEP/NCAR Reanalysis 1 Data Set





12UT

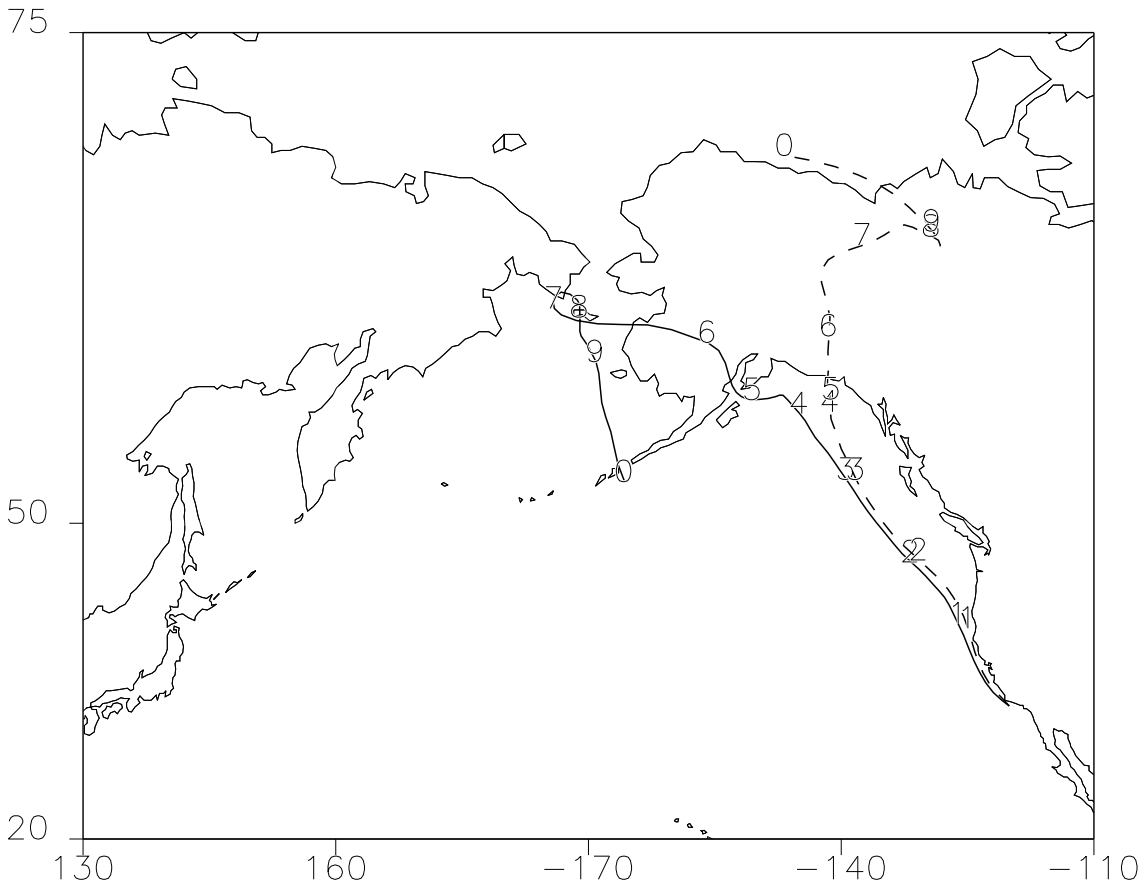
Day	km	hPa	C
0	0.3	979	13
1	0.2	1000	9
2	0.2	1000	6
3	0.3	990	4
4	0.3	987	2
5	0.3	987	6
6	0.6	959	8
7	0.9	920	6
8	1.3	870	7
9	1.2	878	8
10	1.0	901	9

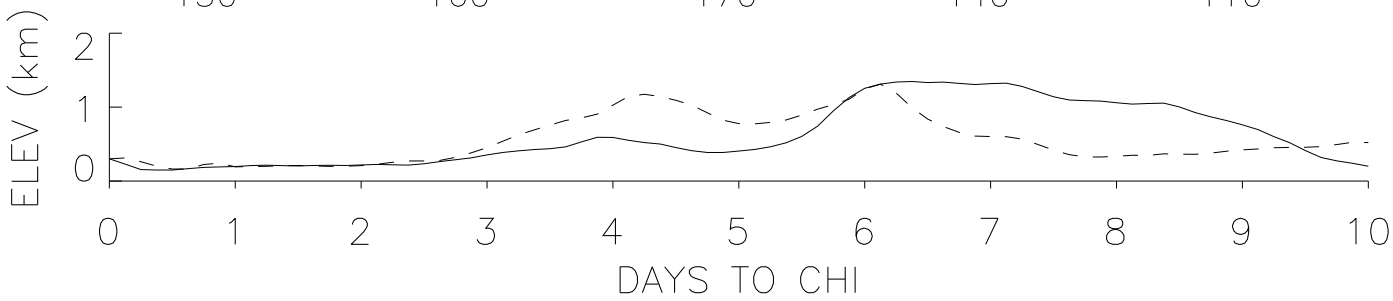
18UT

Day	km	hPa	C
0	0.3	980	16
1	0.2	1000	8
2	0.2	1000	6
3	0.3	989	3
4	0.3	982	2
5	0.3	986	2
6	0.6	960	5
7	0.8	927	3
8	1.3	871	−1
9	1.6	837	−4
10	1.8	814	−5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/8/2002 (Day of Year 128)
NCEP/NCAR Reanalysis 1 Data Set





00UT

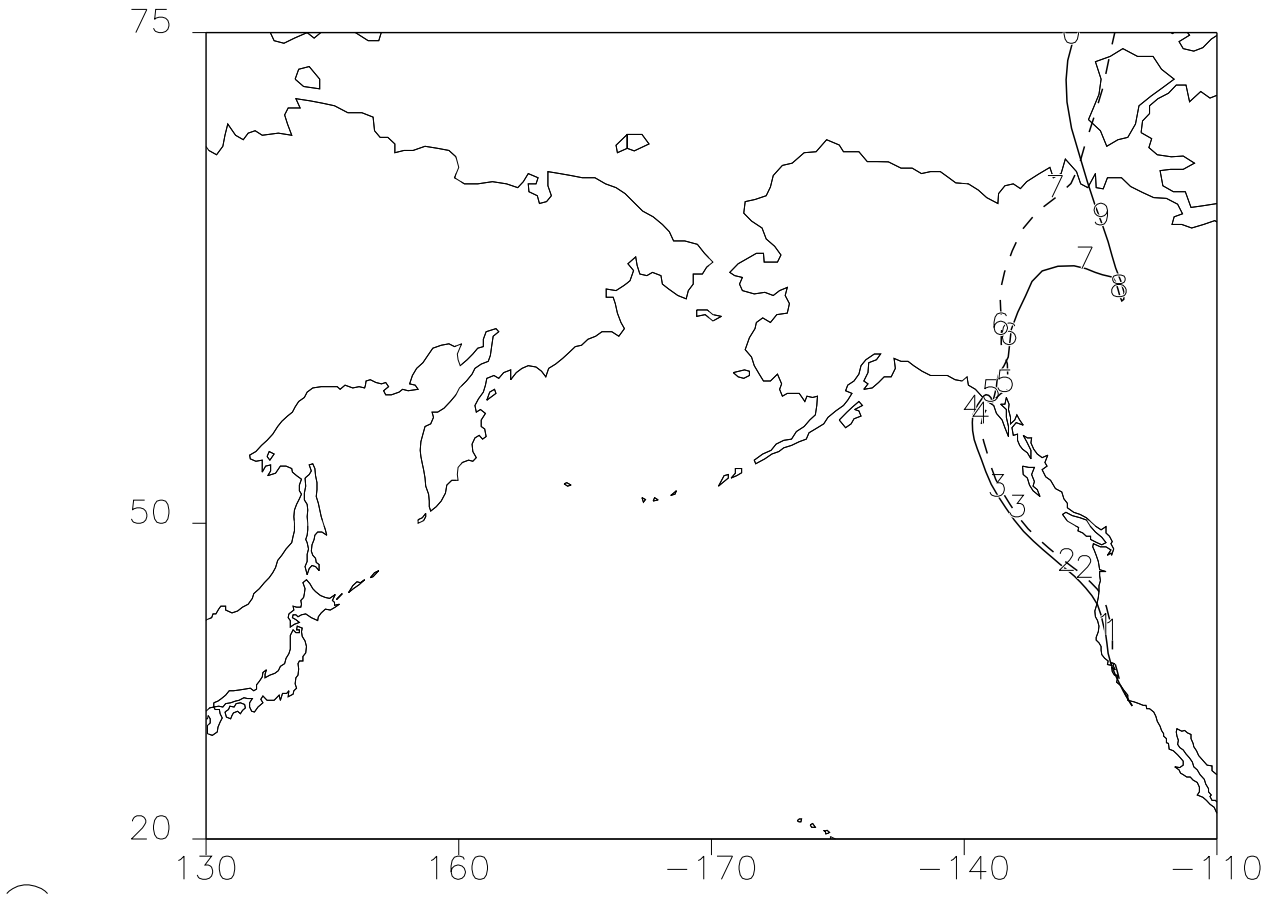
Day	km	hPa	C
0	0.3	978	15
1	0.2	1000	9
2	0.2	999	6
3	0.4	979	3
4	0.6	944	1
5	0.4	974	3
6	1.3	880	−9
7	1.3	855	−10
8	1.1	884	−5
9	0.8	913	−1
10	0.2	992	6

06UT

Day	km	hPa	C
0	0.3	978	13
1	0.2	1000	8
2	0.2	1000	7
3	0.5	967	2
4	1.0	893	−4
5	0.8	926	−1
6	1.2	870	−7
7	0.6	946	−5
8	0.3	982	−6
9	0.4	968	−7
10	0.5	942	−7

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/8/2002 (Day of Year 128)
NCEP/NCAR Reanalysis 1 Data Set

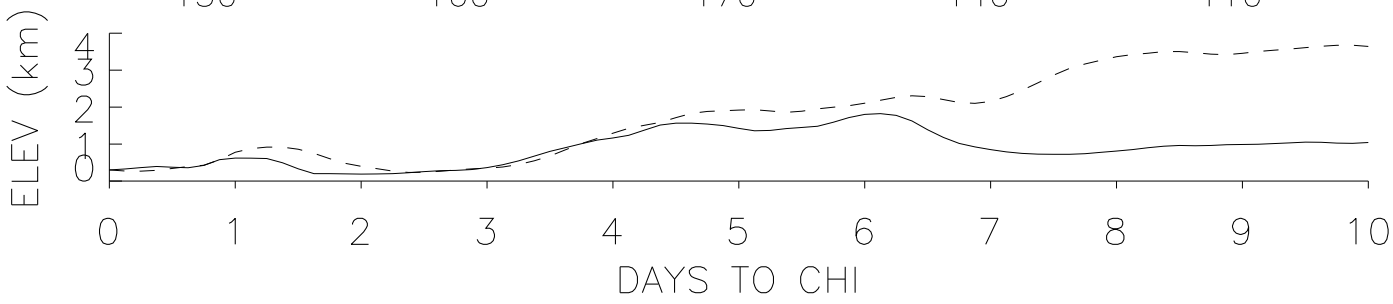


12UT

Day	km	hPa	C
0	0.3	979	11
1	0.6	947	6
2	0.2	1000	6
3	0.4	976	3
4	1.2	878	−6
5	1.4	852	−10
6	1.8	810	−18
7	0.9	915	−10
8	0.8	927	−10
9	1.0	898	−14
10	1.0	876	−16

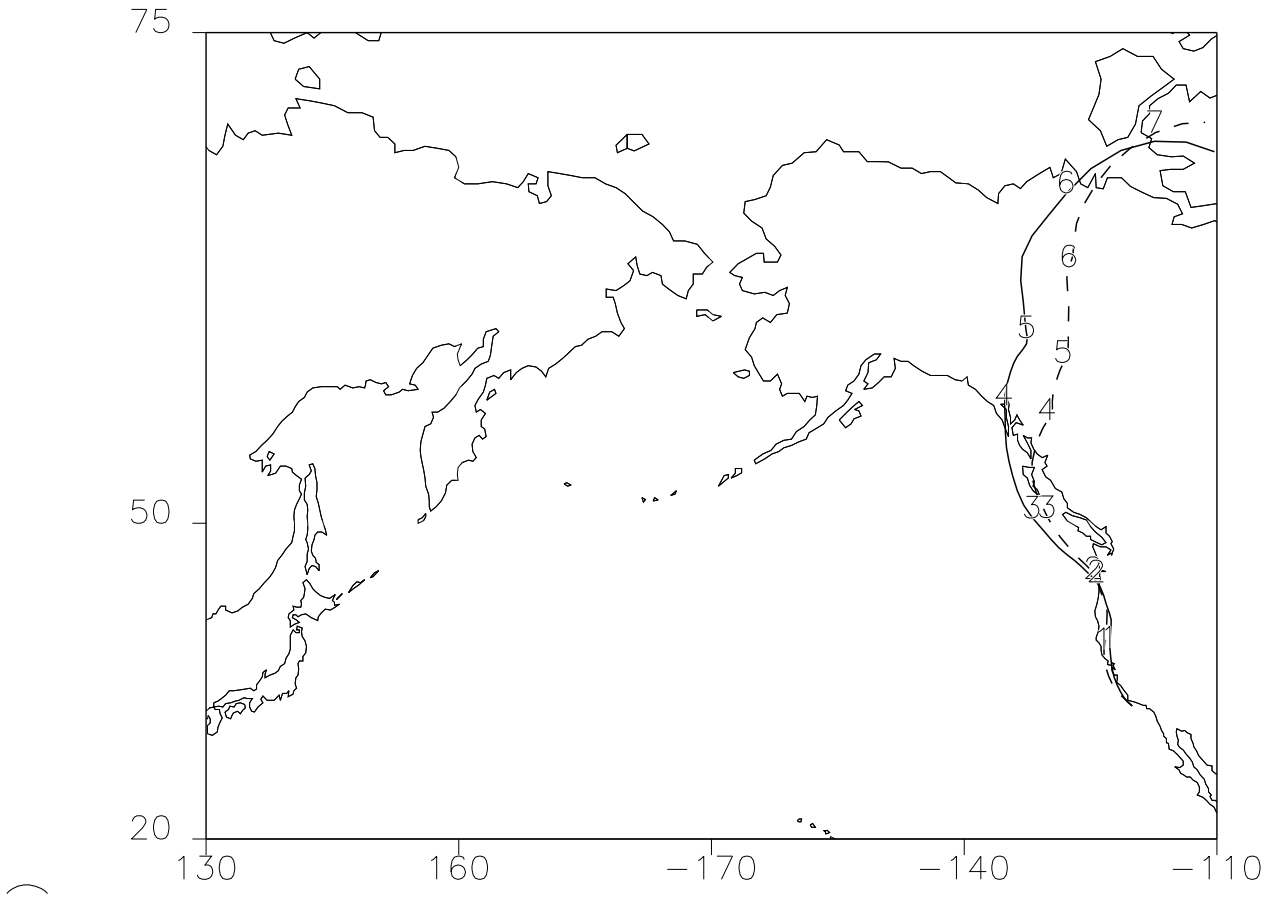
18UT

Day	km	hPa	C
0	0.3	981	15
1	0.8	930	8
2	0.4	975	4
3	0.3	979	3
4	1.3	865	−7
5	1.9	796	−15
6	2.1	779	−22
7	2.2	768	−22
8	3.4	654	−29
9	3.5	639	−31
10	3.6	614	−33



12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/9/2002 (Day of Year 129)
NCEP/NCAR Reanalysis 1 Data Set

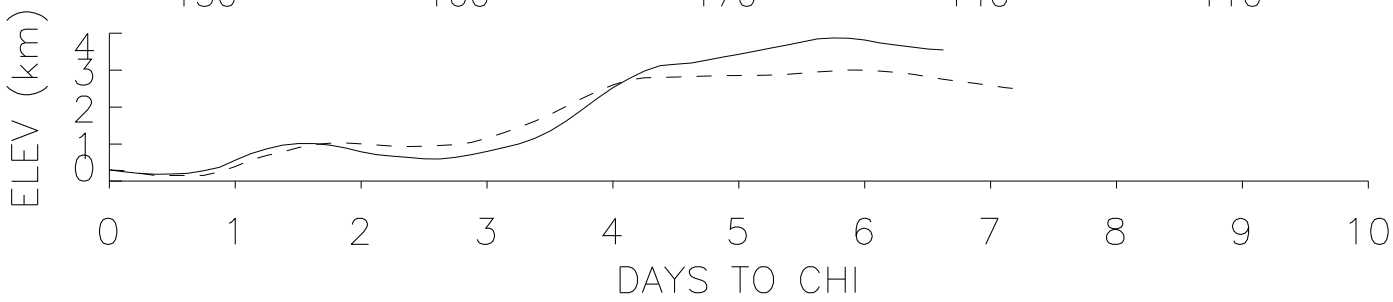


00UT

Day	km	hPa	C
0	0.3	980	18
1	0.6	953	13
2	0.8	928	2
3	0.8	925	0
4	2.5	738	−19
5	3.4	648	−28
6	3.8	612	−30

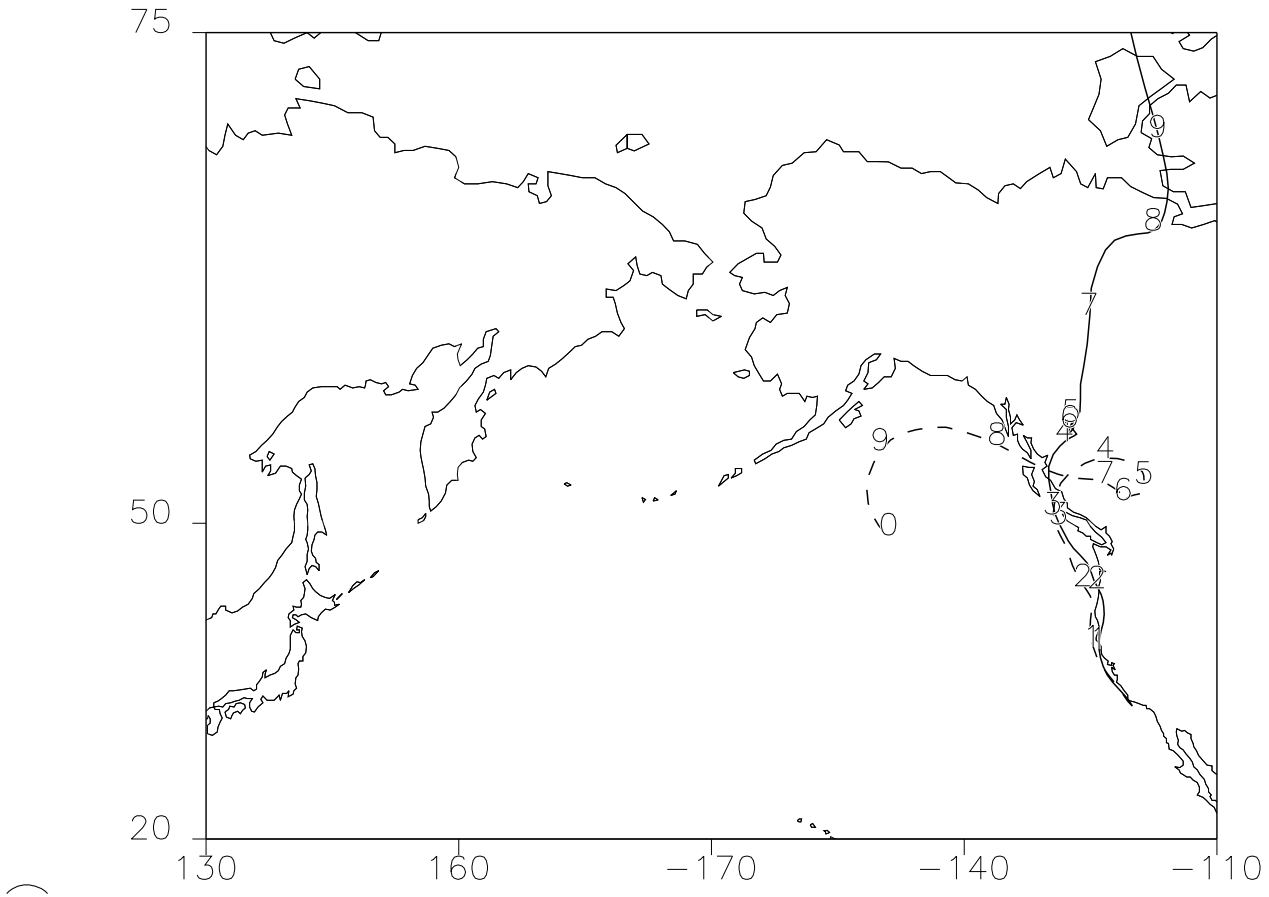
06UT

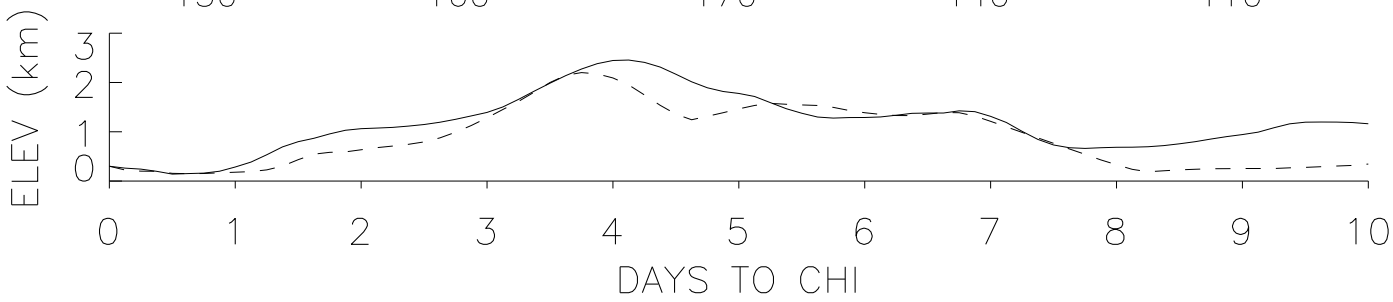
Day	km	hPa	C
0	0.3	981	15
1	0.4	973	10
2	1.0	904	−1
3	1.2	884	−4
4	2.6	727	−22
5	2.9	701	−24
6	3.0	684	−29
7	2.6	722	−24



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/9/2002 (Day of Year 129)
NCEP/NCAR Reanalysis 1 Data Set





12UT

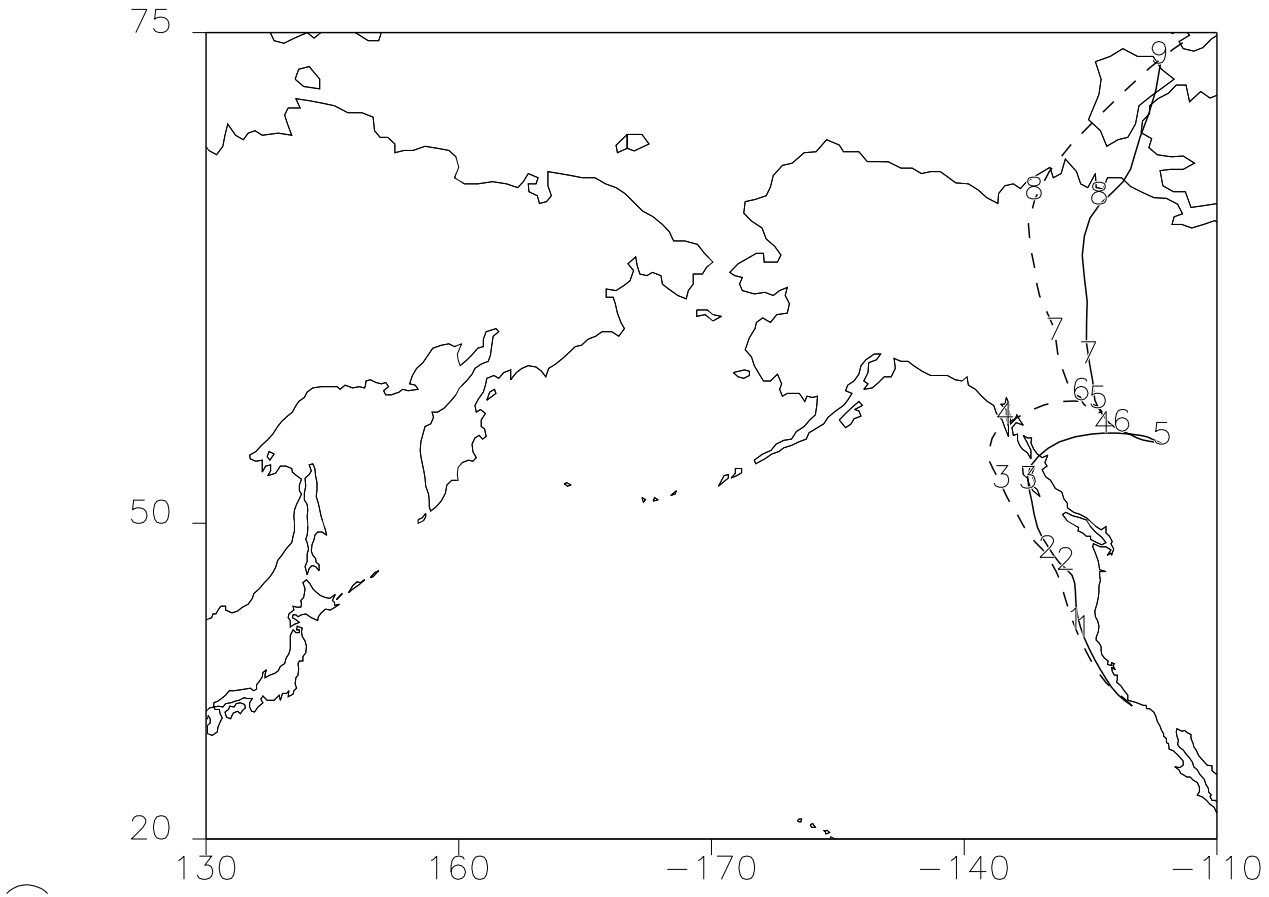
Day	km	hPa	C
0	0.3	981	12
1	0.3	987	8
2	1.1	899	−2
3	1.4	857	−6
4	2.4	743	−18
5	1.8	810	−15
6	1.3	867	−14
7	1.3	860	−22
8	0.7	938	−19
9	0.9	909	−21
10	1.2	874	−21

18UT

Day	km	hPa	C
0	0.3	982	16
1	0.2	1000	13
2	0.6	951	3
3	1.3	872	−3
4	2.1	779	−12
5	1.5	846	−4
6	1.4	856	−4
7	1.2	867	−3
8	0.3	981	4
9	0.3	1000	4
10	0.3	991	5

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/10/2002 (Day of Year 130)
NCEP/NCAR Reanalysis 1 Data Set

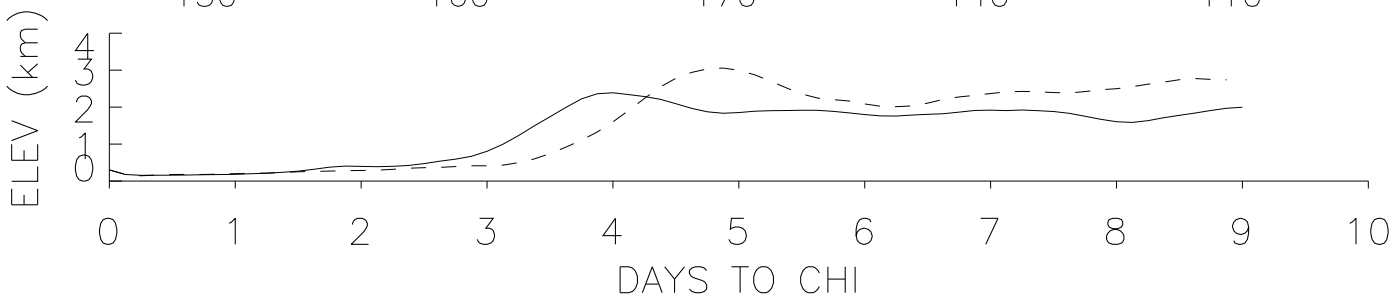


00UT

Day	km	hPa	C
0	0.3	979	16
1	0.2	1000	12
2	0.4	980	5
3	0.8	931	−2
4	2.4	755	−15
5	1.9	805	−13
6	1.8	810	−15
7	1.9	796	−22
8	1.6	826	−24
9	2.0	789	−24

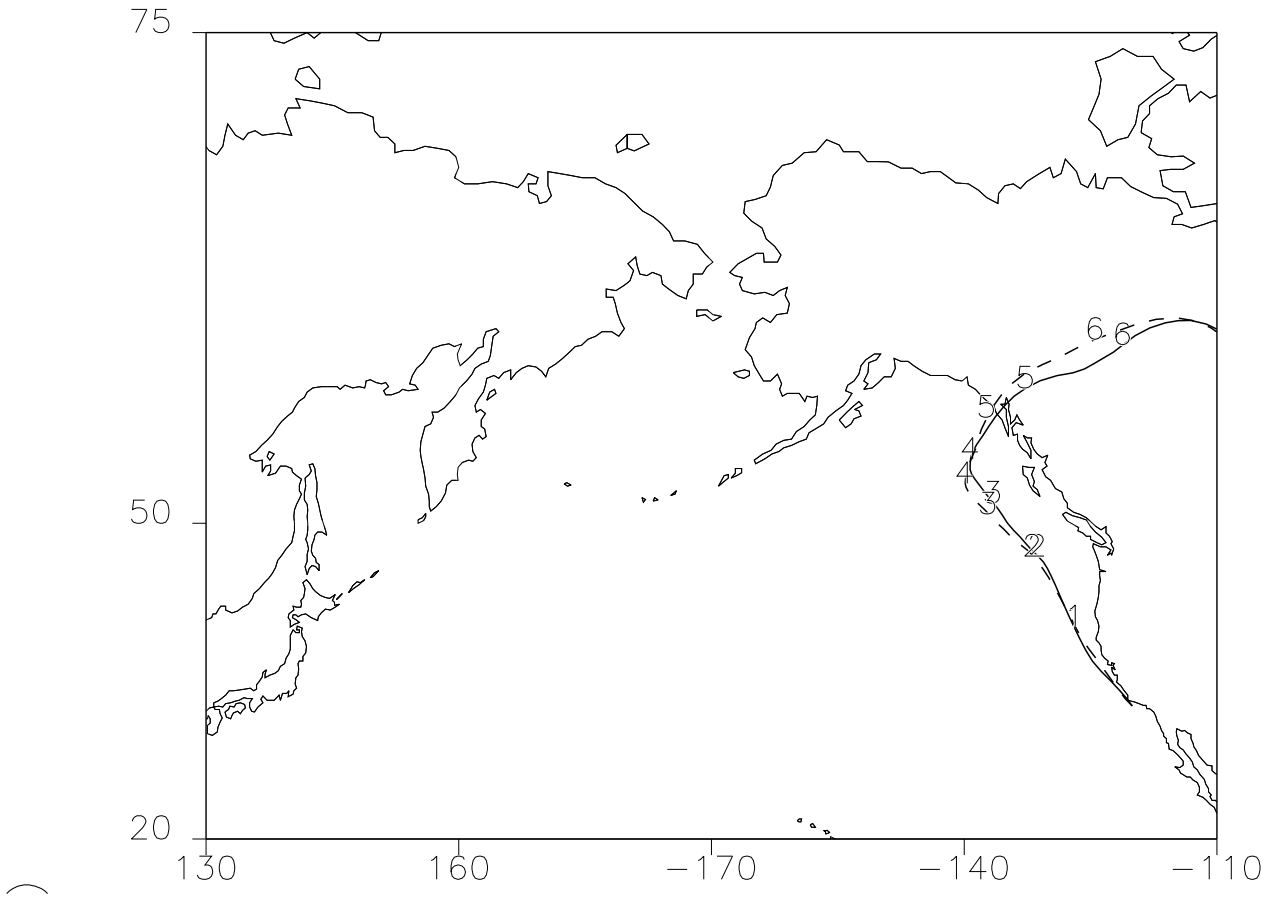
06UT

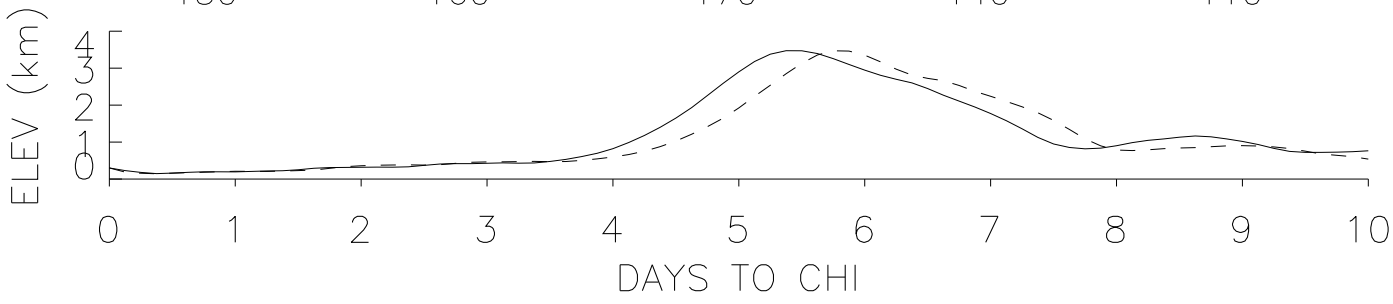
Day	km	hPa	C
0	0.3	979	15
1	0.2	1000	9
2	0.3	993	5
3	0.4	980	2
4	1.6	842	−10
5	3.0	690	−23
6	2.1	777	−18
7	2.4	749	−26
8	2.5	735	−25



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/10/2002 (Day of Year 130)
NCEP/NCAR Reanalysis 1 Data Set





12UT

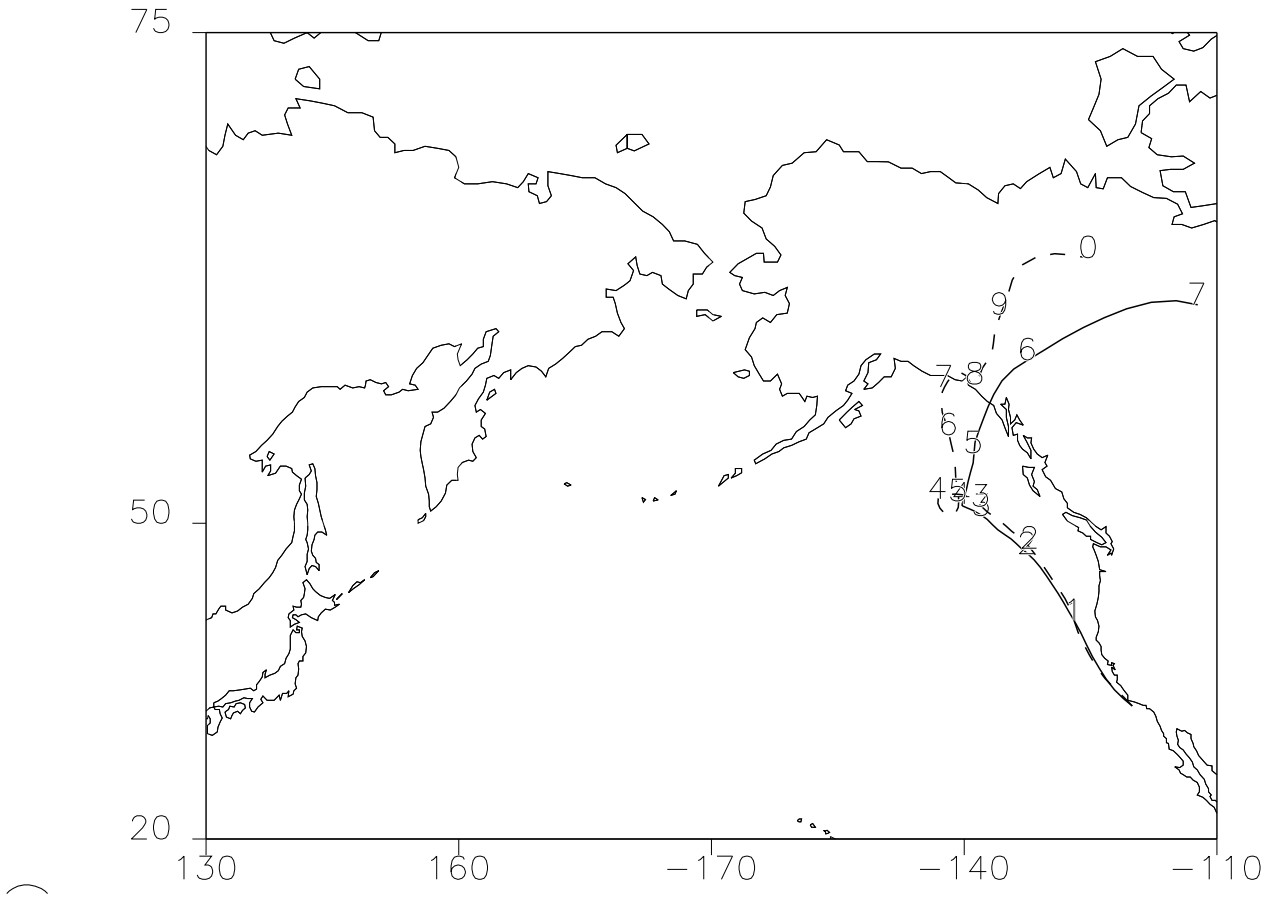
Day	km	hPa	C
0	0.3	977	13
1	0.2	1000	8
2	0.3	990	4
3	0.4	978	2
4	0.8	931	−2
5	2.9	703	−24
6	2.9	690	−25
7	1.8	802	−15
8	0.9	905	−10
9	1.0	891	−6
10	0.8	919	−3

18UT

Day	km	hPa	C
0	0.3	980	15
1	0.2	1000	8
2	0.4	985	5
3	0.5	975	2
4	0.6	960	0
5	1.9	803	−12
6	3.4	656	−26
7	2.2	756	−18
8	0.8	906	−3
9	0.9	906	−11
10	0.5	948	−6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/11/2002 (Day of Year 131)
NCEP/NCAR Reanalysis 1 Data Set

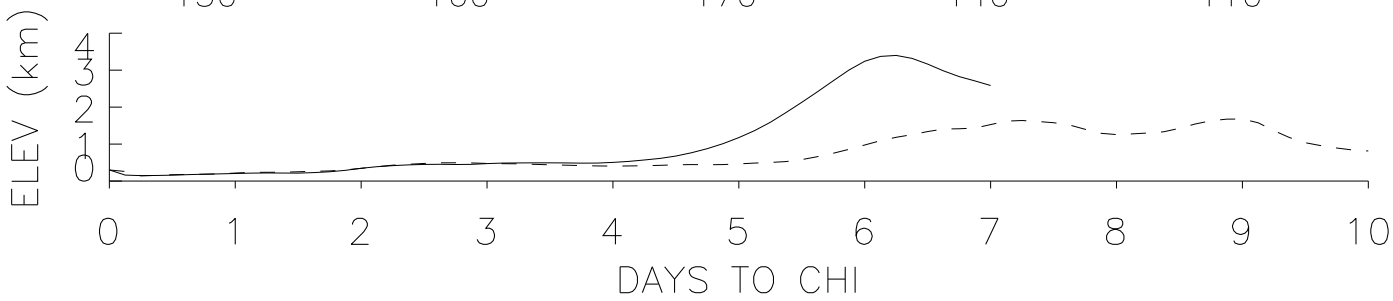


00UT

Day	km	hPa	C
0	0.3	978	13
1	0.2	1000	9
2	0.3	987	6
3	0.5	974	4
4	0.5	972	2
5	1.2	888	−4
6	3.2	670	−27
7	2.6	724	−19

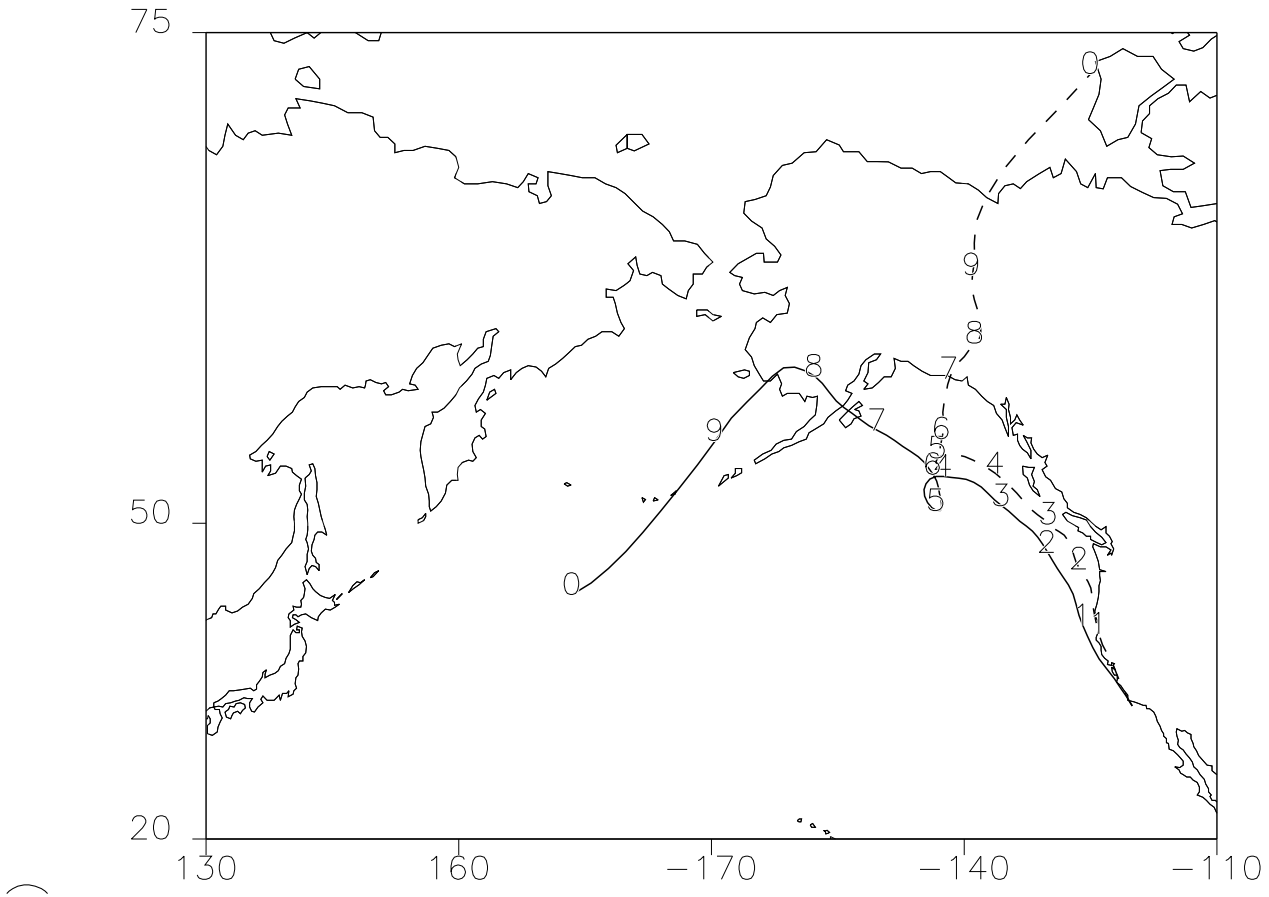
06UT

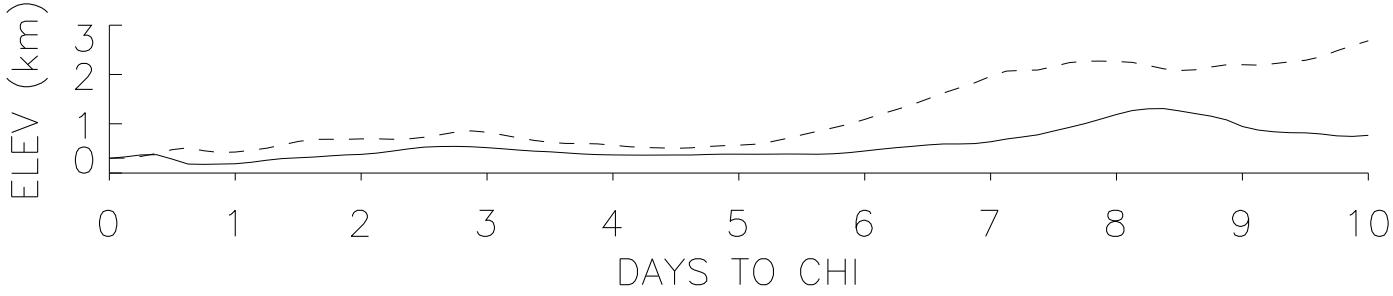
Day	km	hPa	C
0	0.3	979	12
1	0.2	998	8
2	0.3	986	6
3	0.5	971	3
4	0.4	983	4
5	0.5	974	3
6	1.0	907	−2
7	1.5	838	−8
8	1.3	871	−7
9	1.7	820	−15
10	0.8	924	−9



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/11/2002 (Day of Year 131)
NCEP/NCAR Reanalysis 1 Data Set





12UT

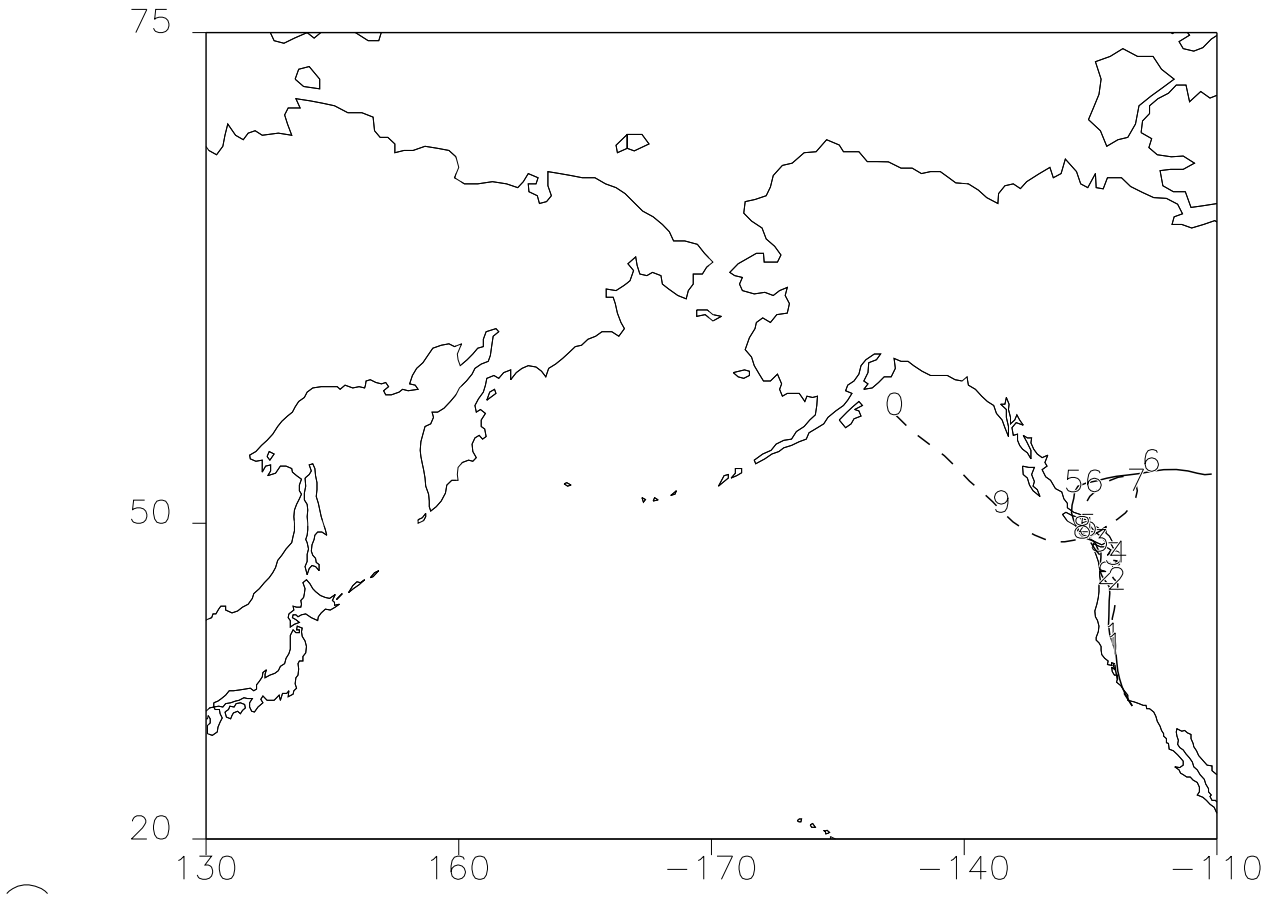
Day	km	hPa	C
0	0.3	978	10
1	0.2	999	8
2	0.4	979	5
3	0.5	965	3
4	0.4	986	4
5	0.4	985	4
6	0.4	972	3
7	0.6	944	2
8	1.2	877	−5
9	0.9	908	2
10	0.8	922	3

18UT

Day	km	hPa	C
0	0.3	981	14
1	0.4	969	8
2	0.7	941	3
3	0.8	927	1
4	0.6	961	1
5	0.6	964	1
6	1.1	898	−3
7	2.0	795	−13
8	2.3	761	−18
9	2.2	771	−23
10	2.7	719	−25

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/12/2002 (Day of Year 132)
NCEP/NCAR Reanalysis 1 Data Set

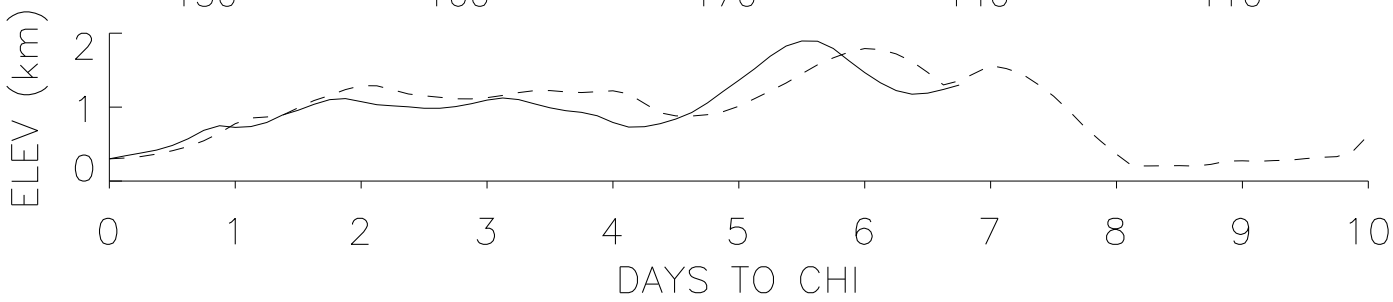


00UT

Day	km	hPa	C
0	0.3	981	17
1	0.7	932	9
2	1.1	896	3
3	1.1	896	2
4	0.8	930	4
5	1.4	865	−2
6	1.5	848	−5

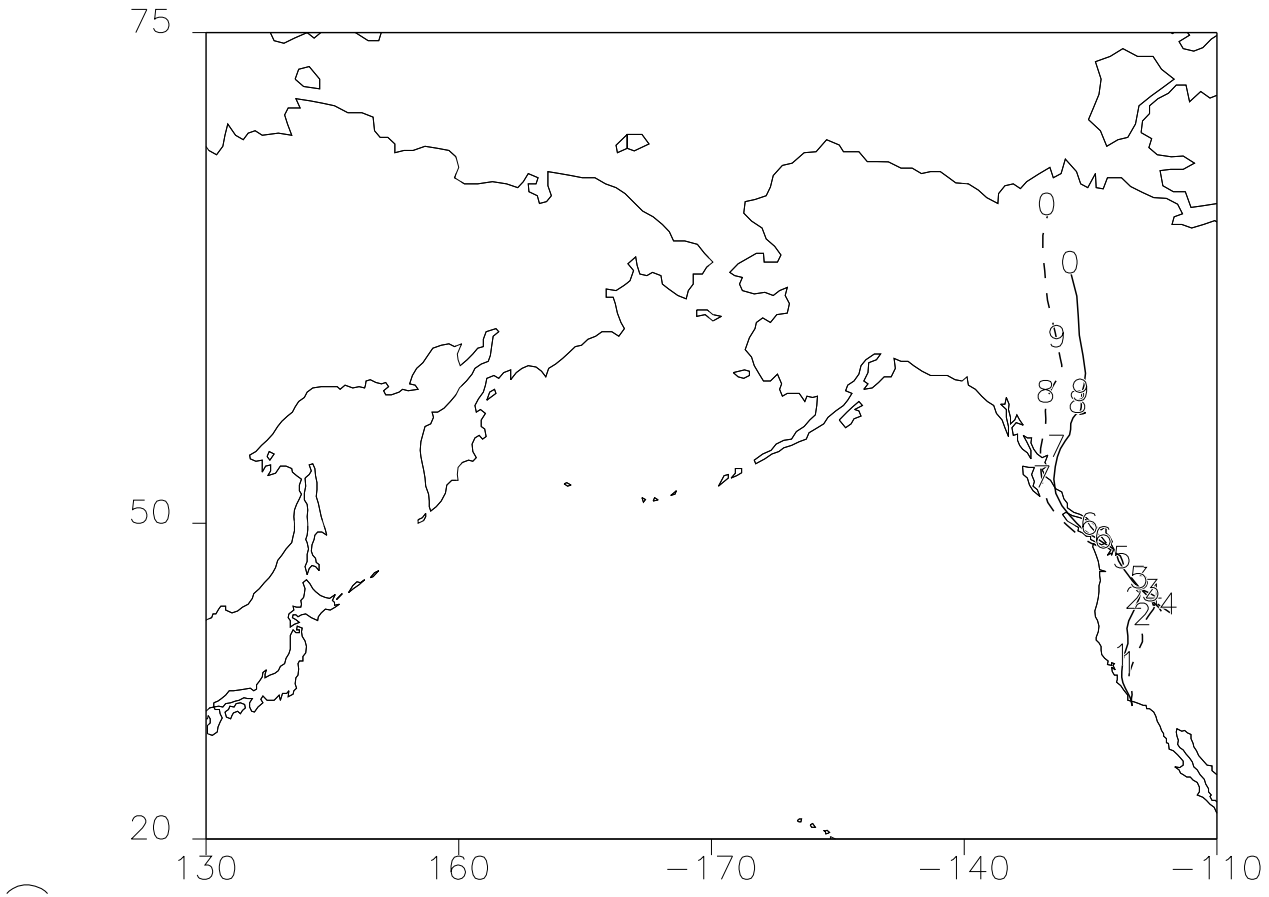
06UT

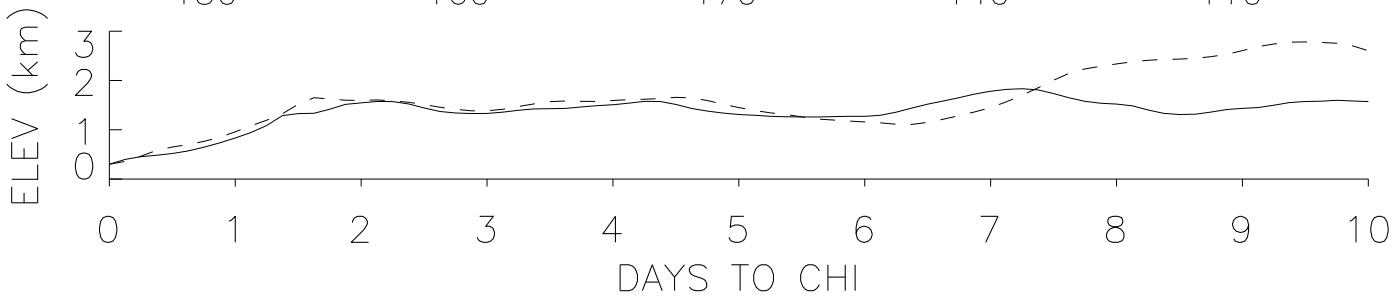
Day	km	hPa	C
0	0.3	983	16
1	0.8	928	9
2	1.3	872	1
3	1.1	891	2
4	1.2	883	−1
5	1.0	903	−1
6	1.8	812	−9
7	1.6	835	−4
8	0.4	978	4
9	0.3	992	4
10	0.6	951	0



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/12/2002 (Day of Year 132)
NCEP/NCAR Reanalysis 1 Data Set





12UT

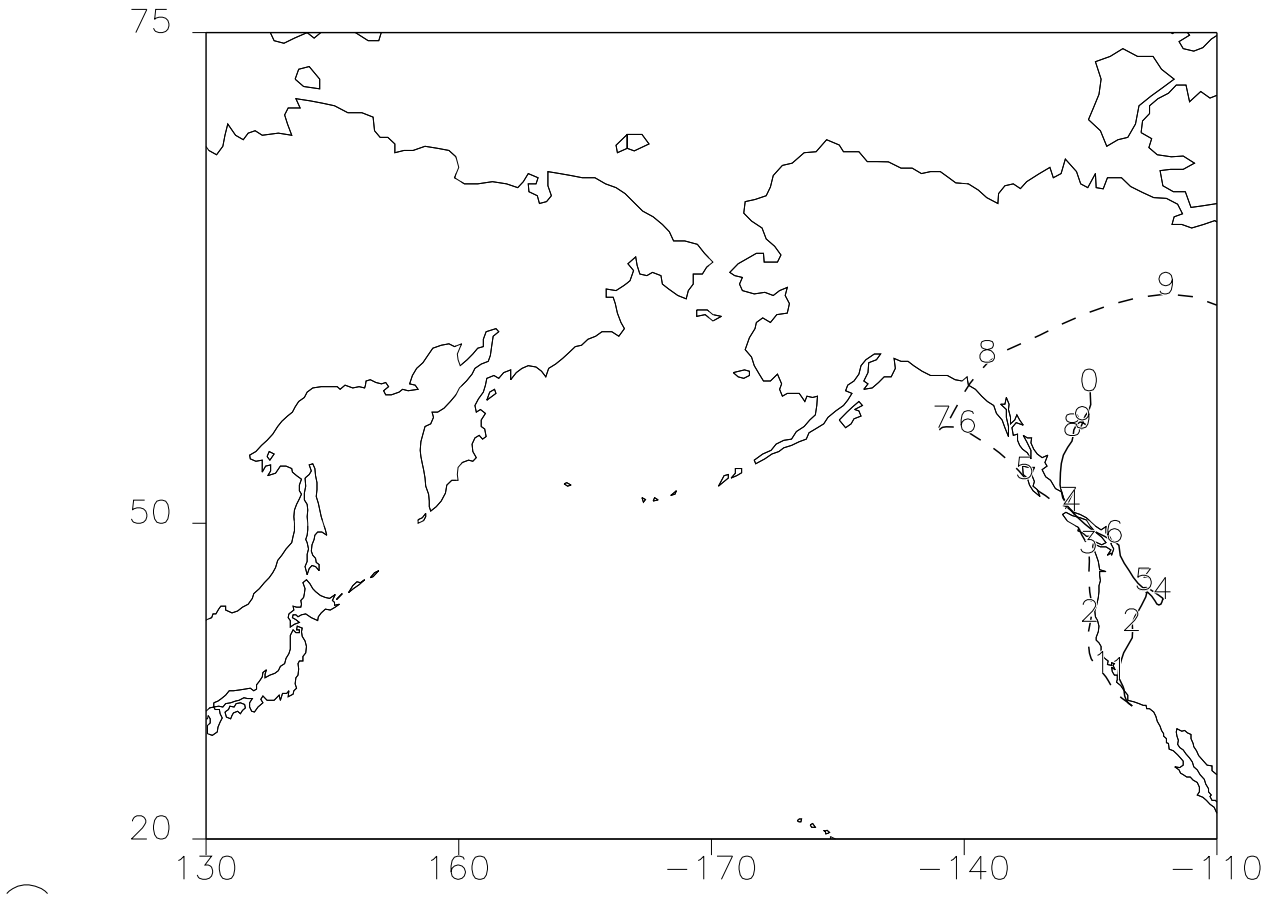
Day	km	hPa	C
0	0.3	983	13
1	0.8	920	8
2	1.5	841	1
3	1.3	866	1
4	1.5	852	−4
5	1.3	868	−4
6	1.3	869	−5
7	1.8	810	−11
8	1.5	838	−15
9	1.4	850	−19
10	1.6	834	−25

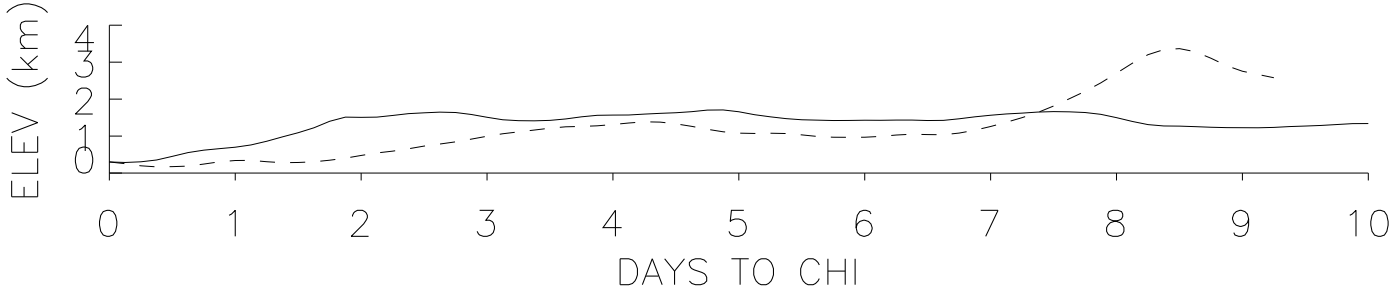
18UT

Day	km	hPa	C
0	0.3	985	20
1	1.0	908	13
2	1.6	836	4
3	1.4	860	6
4	1.6	844	2
5	1.5	855	−3
6	1.2	884	−3
7	1.4	847	−8
8	2.3	752	−19
9	2.6	724	−25
10	2.6	725	−26

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/13/2002 (Day of Year 133)
NCEP/NCAR Reanalysis 1 Data Set





00UT

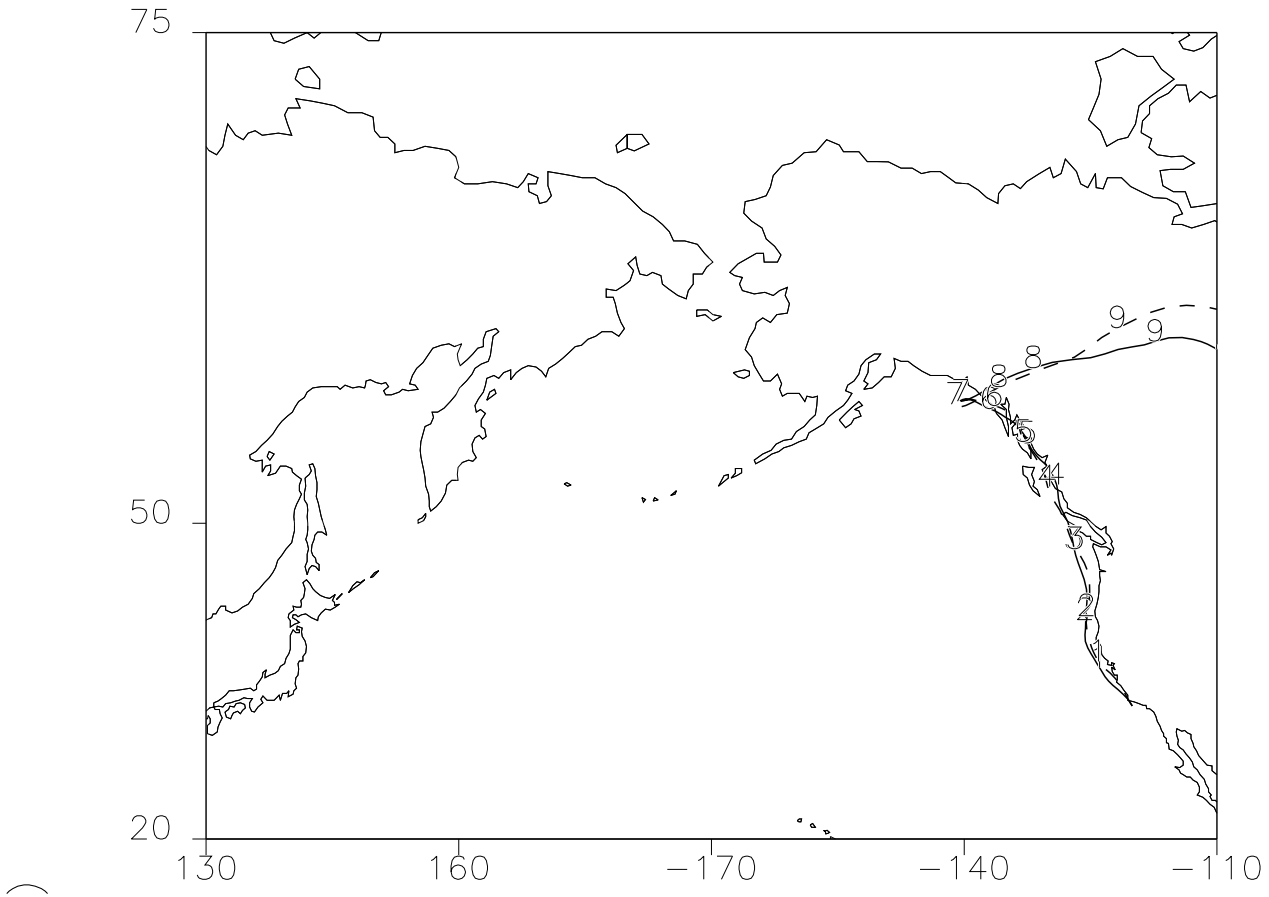
Day	km	hPa	C
0	0.3	983	22
1	0.7	936	17
2	1.5	847	5
3	1.5	847	4
4	1.6	845	4
5	1.7	835	−3
6	1.4	855	−4
7	1.6	836	−7
8	1.5	841	−8
9	1.2	873	−9
10	1.3	860	−16

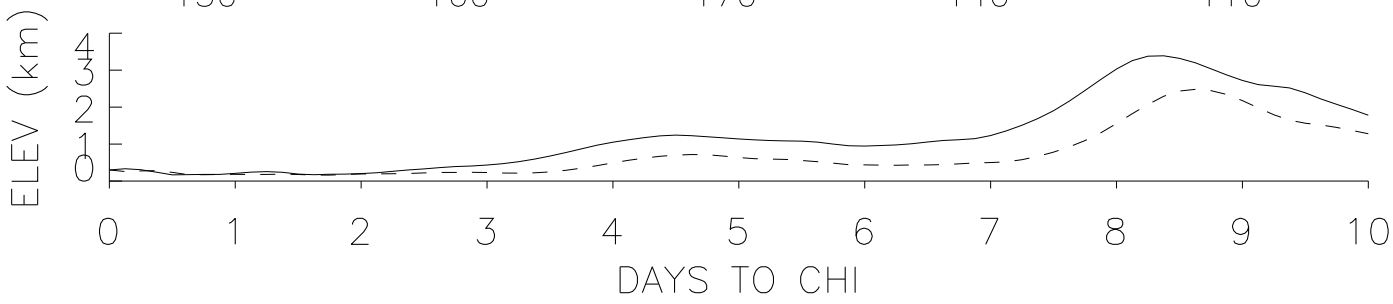
06UT

Day	km	hPa	C
0	0.3	983	18
1	0.3	979	14
2	0.5	966	9
3	1.0	906	2
4	1.3	871	−2
5	1.1	898	−2
6	1.0	913	−2
7	1.3	882	−3
8	2.7	724	−21
9	2.8	710	−20

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/13/2002 (Day of Year 133)
NCEP/NCAR Reanalysis 1 Data Set





12UT

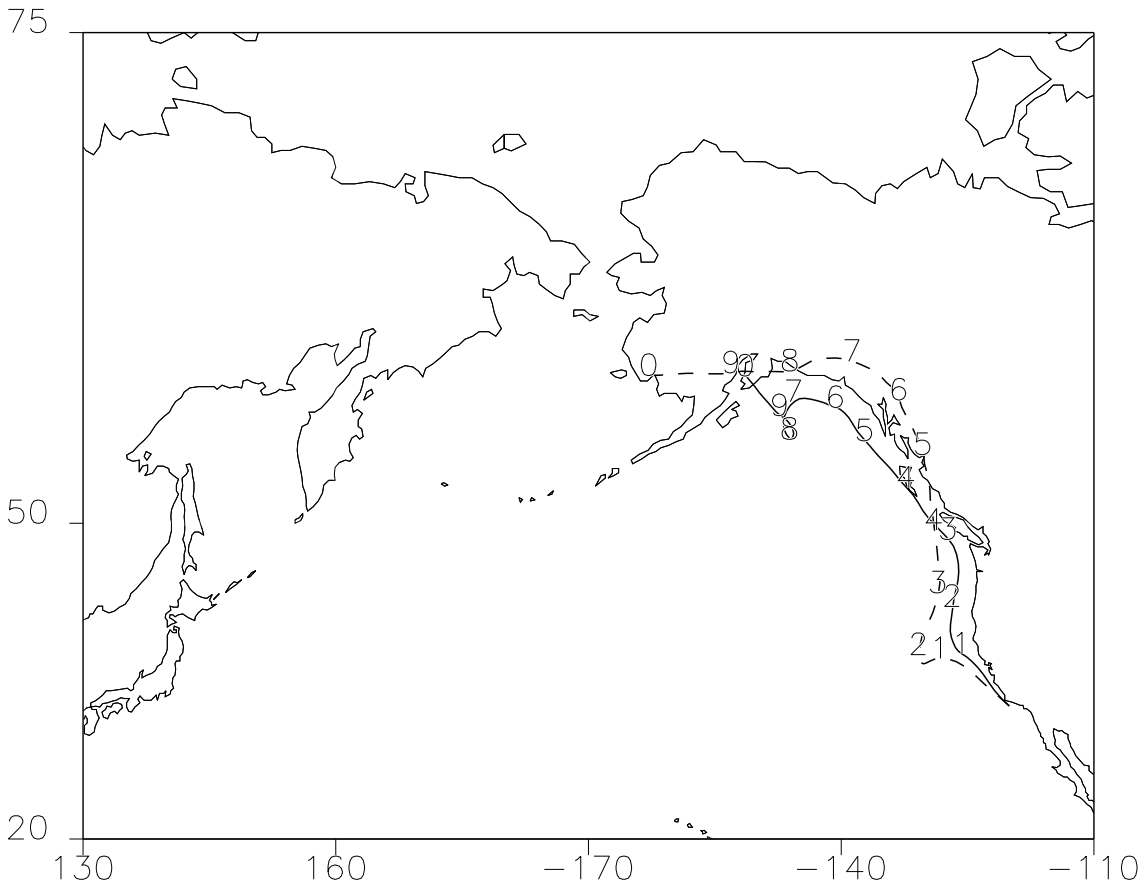
Day	km	hPa	C
0	0.3	982	16
1	0.2	996	11
2	0.2	999	8
3	0.4	973	4
4	1.0	899	−2
5	1.1	889	−3
6	0.9	913	−3
7	1.2	885	−5
8	3.0	692	−24
9	2.7	711	−23
10	1.8	800	−16

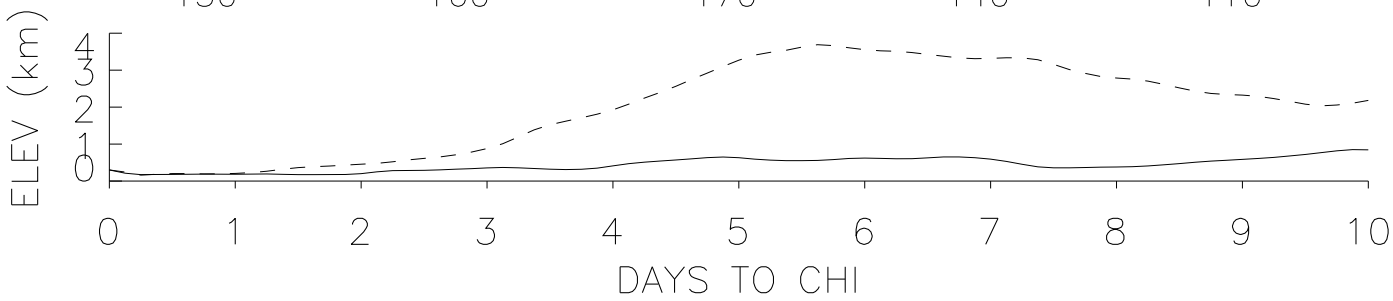
18UT

Day	km	hPa	C
0	0.3	983	20
1	0.2	1000	15
2	0.2	1000	12
3	0.2	999	7
4	0.5	965	3
5	0.6	948	0
6	0.4	973	1
7	0.5	971	1
8	1.6	845	−13
9	2.2	771	−22
10	1.3	860	−11

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/14/2002 (Day of Year 134)
NCEP/NCAR Reanalysis 1 Data Set





00UT

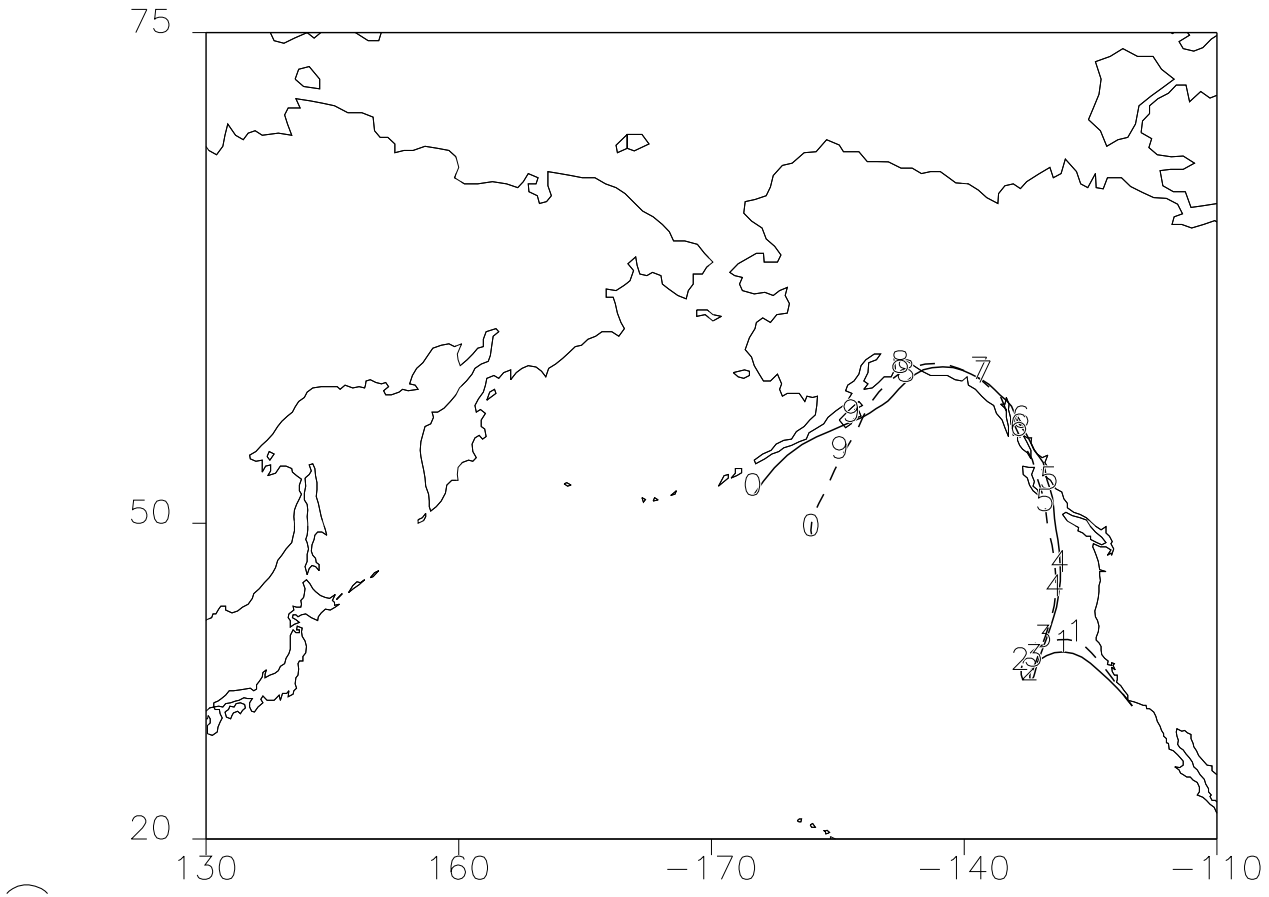
Day	km	hPa	C
0	0.3	981	19
1	0.2	1000	13
2	0.2	998	11
3	0.4	984	7
4	0.4	977	5
5	0.6	951	2
6	0.6	952	1
7	0.6	957	1
8	0.4	983	4
9	0.6	951	3
10	0.8	918	−3

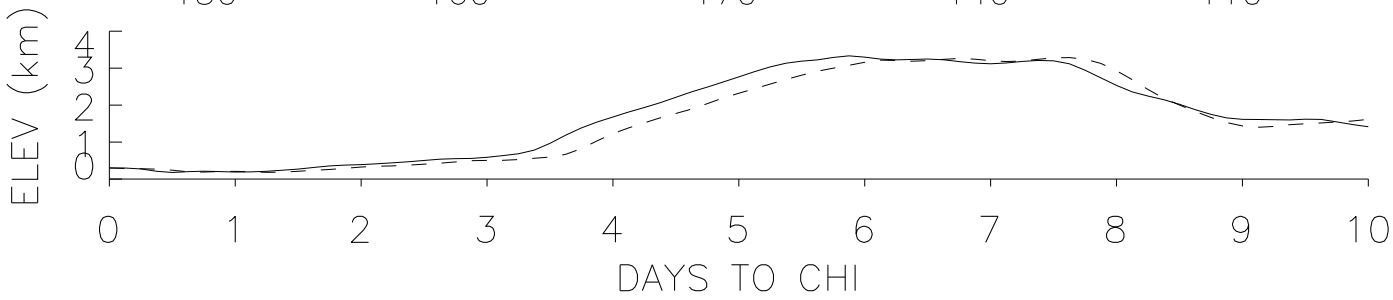
06UT

Day	km	hPa	C
0	0.3	980	16
1	0.2	999	8
2	0.5	970	7
3	0.9	923	3
4	1.9	808	−3
5	3.3	677	−13
6	3.6	651	−16
7	3.3	673	−13
8	2.8	725	−7
9	2.3	764	−6
10	2.2	776	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/14/2002 (Day of Year 134)
NCEP/NCAR Reanalysis 1 Data Set





12UT

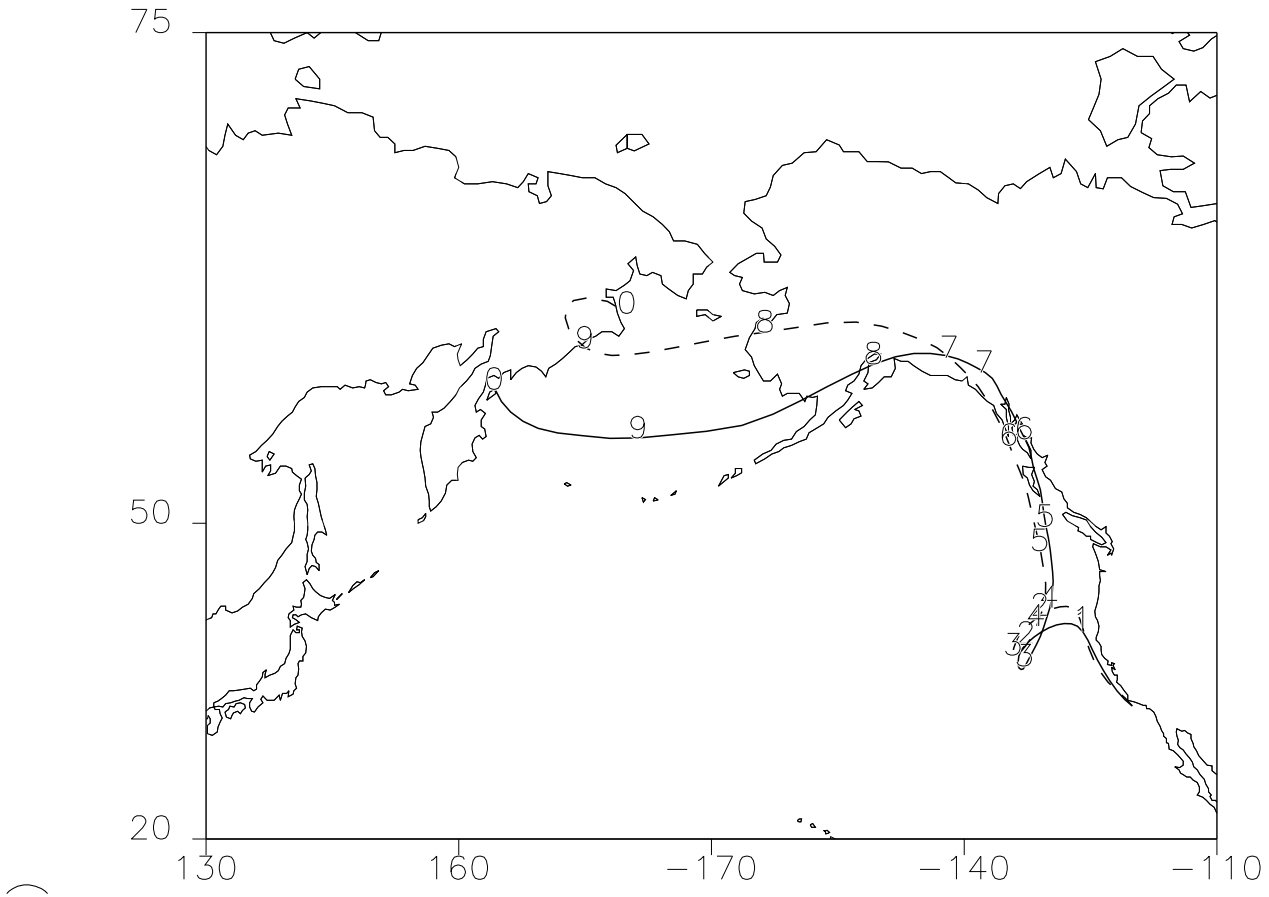
Day	km	hPa	C
0	0.3	978	15
1	0.2	1000	10
2	0.4	977	9
3	0.6	955	5
4	1.7	834	−1
5	2.8	723	−10
6	3.3	674	−13
7	3.1	690	−12
8	2.5	749	−7
9	1.6	839	−1
10	1.4	860	7

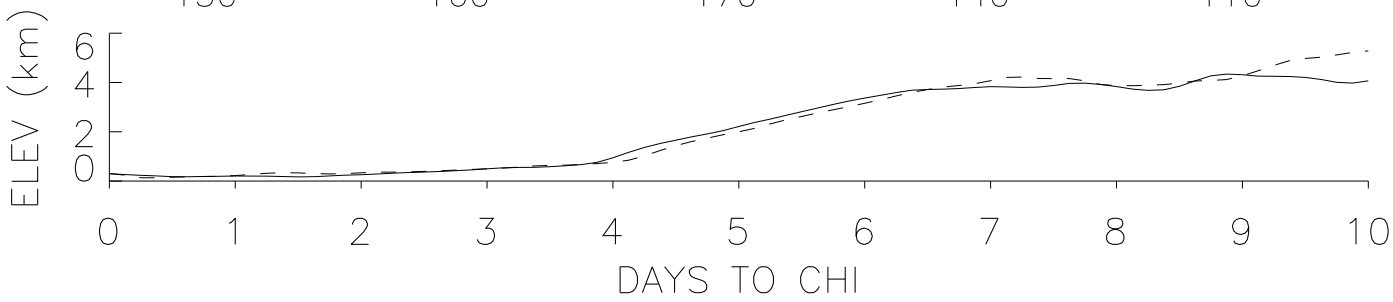
18UT

Day	km	hPa	C
0	0.3	978	17
1	0.2	1000	10
2	0.3	985	9
3	0.5	966	7
4	1.2	885	1
5	2.3	767	−7
6	3.2	686	−13
7	3.2	682	−13
8	2.9	710	−9
9	1.4	859	2
10	1.6	844	7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/15/2002 (Day of Year 135)
NCEP/NCAR Reanalysis 1 Data Set





00UT

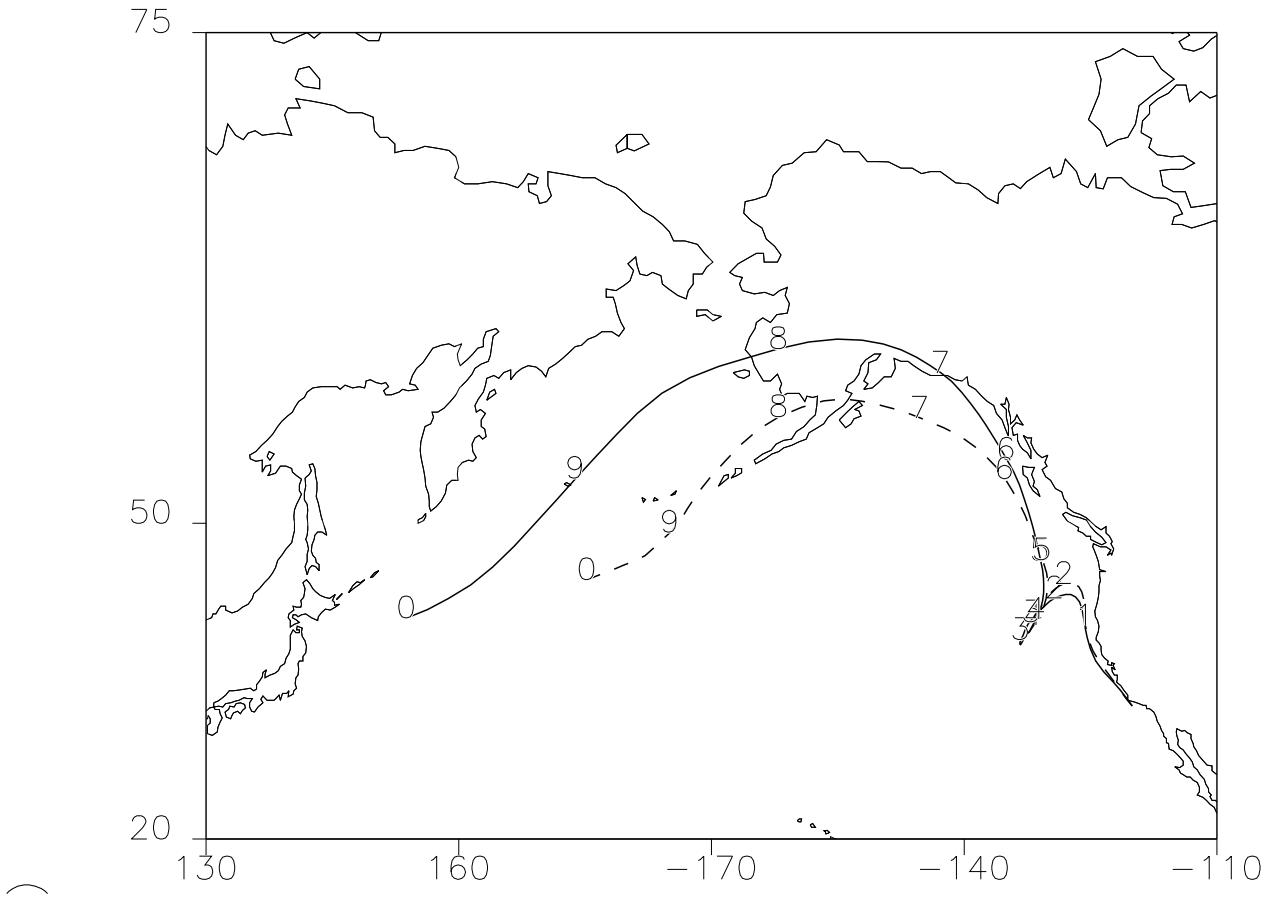
Day	km	hPa	C
0	0.3	976	17
1	0.2	999	11
2	0.3	990	9
3	0.5	966	6
4	0.9	916	2
5	2.2	779	−4
6	3.4	669	−14
7	3.8	629	−17
8	3.8	629	−16
9	4.3	580	−19
10	4.1	596	−18

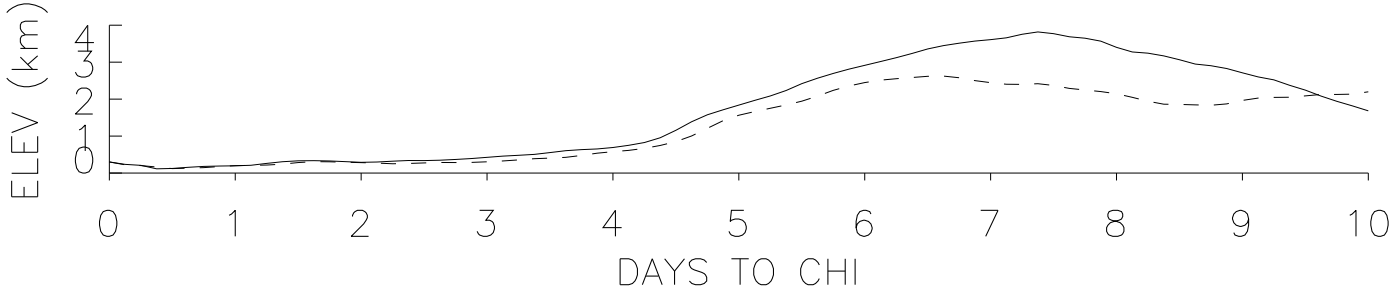
06UT

Day	km	hPa	C
0	0.3	977	15
1	0.2	998	9
2	0.3	980	8
3	0.5	966	7
4	0.8	938	3
5	2.0	802	−2
6	3.2	689	−11
7	4.1	608	−19
8	3.9	619	−17
9	4.3	578	−22
10	5.3	502	−29

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/15/2002 (Day of Year 135)
NCEP/NCAR Reanalysis 1 Data Set





12UT

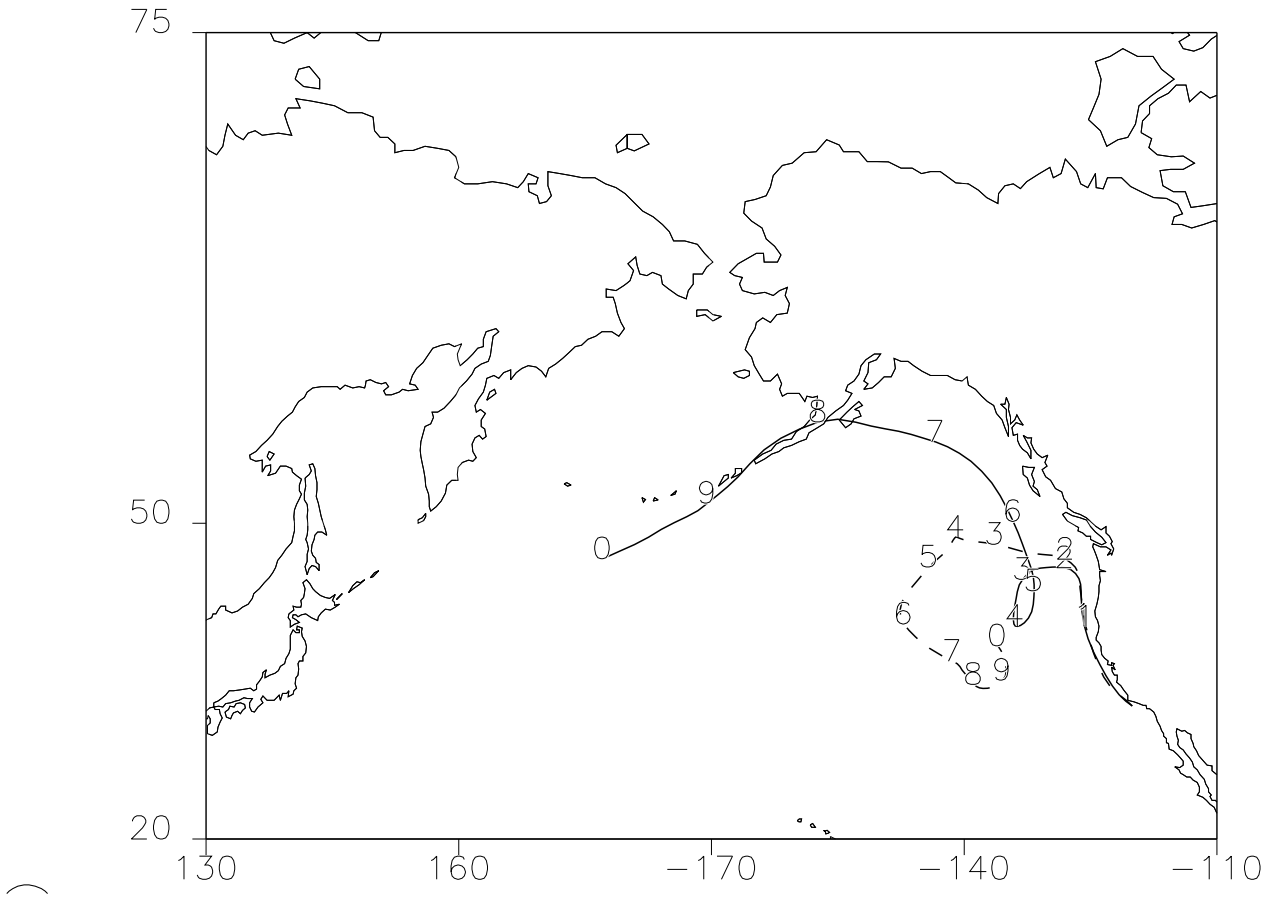
Day	km	hPa	C
0	0.3	976	11
1	0.2	1000	10
2	0.3	983	8
3	0.4	972	8
4	0.7	945	3
5	1.8	819	−1
6	2.9	711	−9
7	3.6	649	−14
8	3.4	664	−11
9	2.7	719	−6
10	1.7	821	4

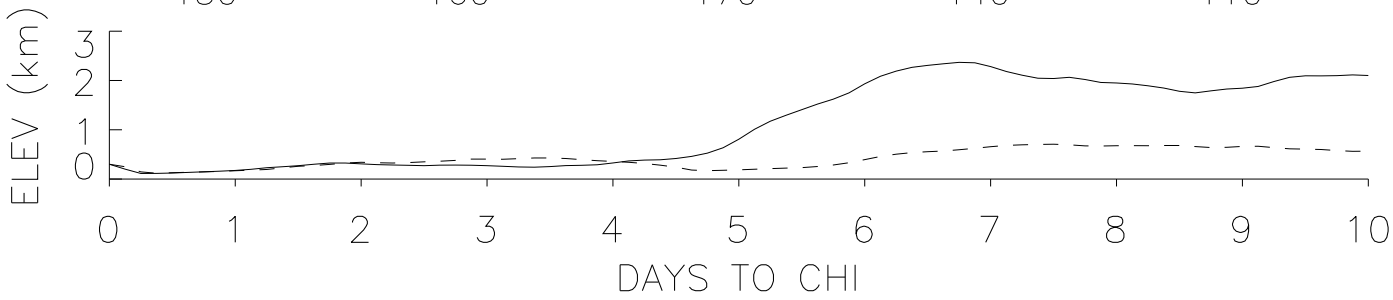
18UT

Day	km	hPa	C
0	0.3	977	17
1	0.2	1000	12
2	0.3	988	7
3	0.3	985	8
4	0.6	958	5
5	1.6	849	0
6	2.4	756	−5
7	2.4	758	−5
8	2.1	789	−1
9	2.0	811	5
10	2.2	779	1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/16/2002 (Day of Year 136)
NCEP/NCAR Reanalysis 1 Data Set





00UT

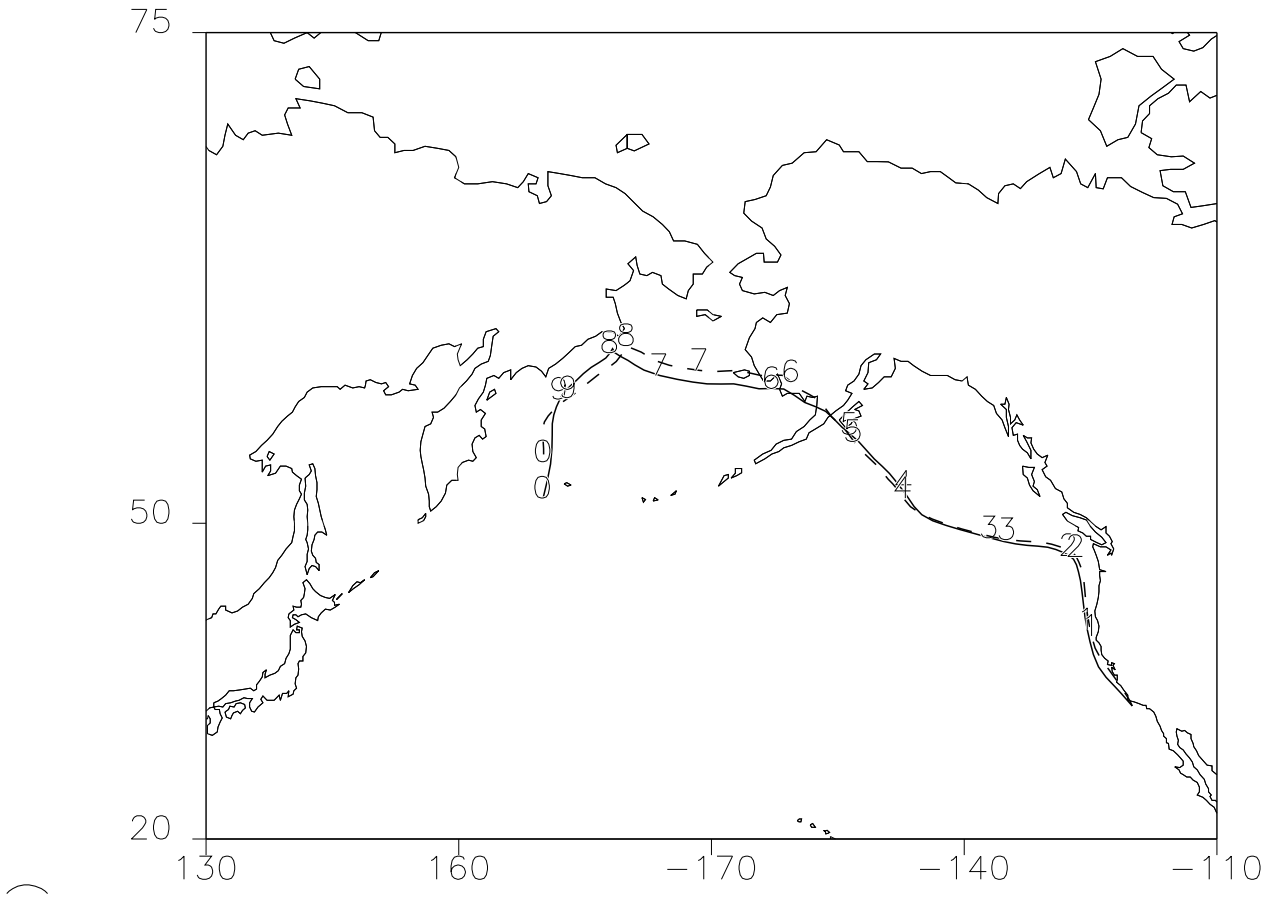
Day	km	hPa	C
0	0.3	977	17
1	0.2	1000	13
2	0.3	987	5
3	0.3	985	7
4	0.3	987	8
5	0.8	934	2
6	1.9	811	−1
7	2.3	775	−3
8	1.9	810	−1
9	1.8	825	5
10	2.1	790	1

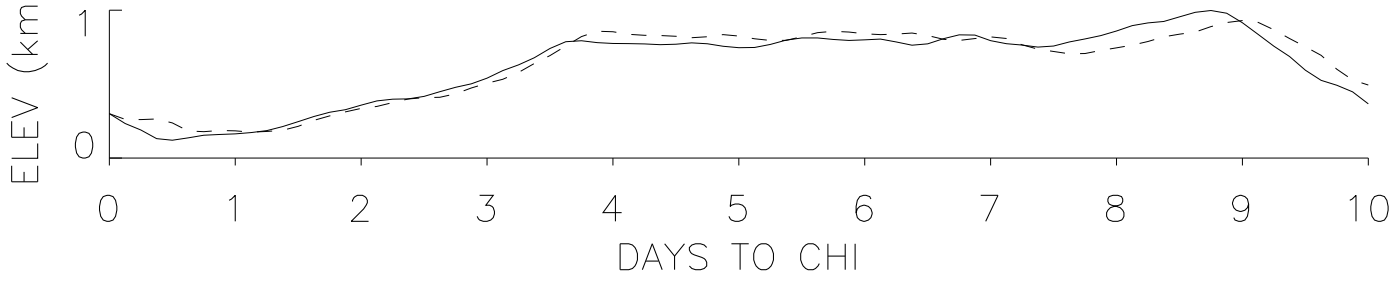
06UT

Day	km	hPa	C
0	0.3	977	16
1	0.2	1000	10
2	0.3	986	4
3	0.4	968	6
4	0.4	975	7
5	0.2	1000	9
6	0.4	982	13
7	0.7	951	12
8	0.7	948	9
9	0.7	952	9
10	0.6	963	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/16/2002 (Day of Year 136)
NCEP/NCAR Reanalysis 1 Data Set





12UT

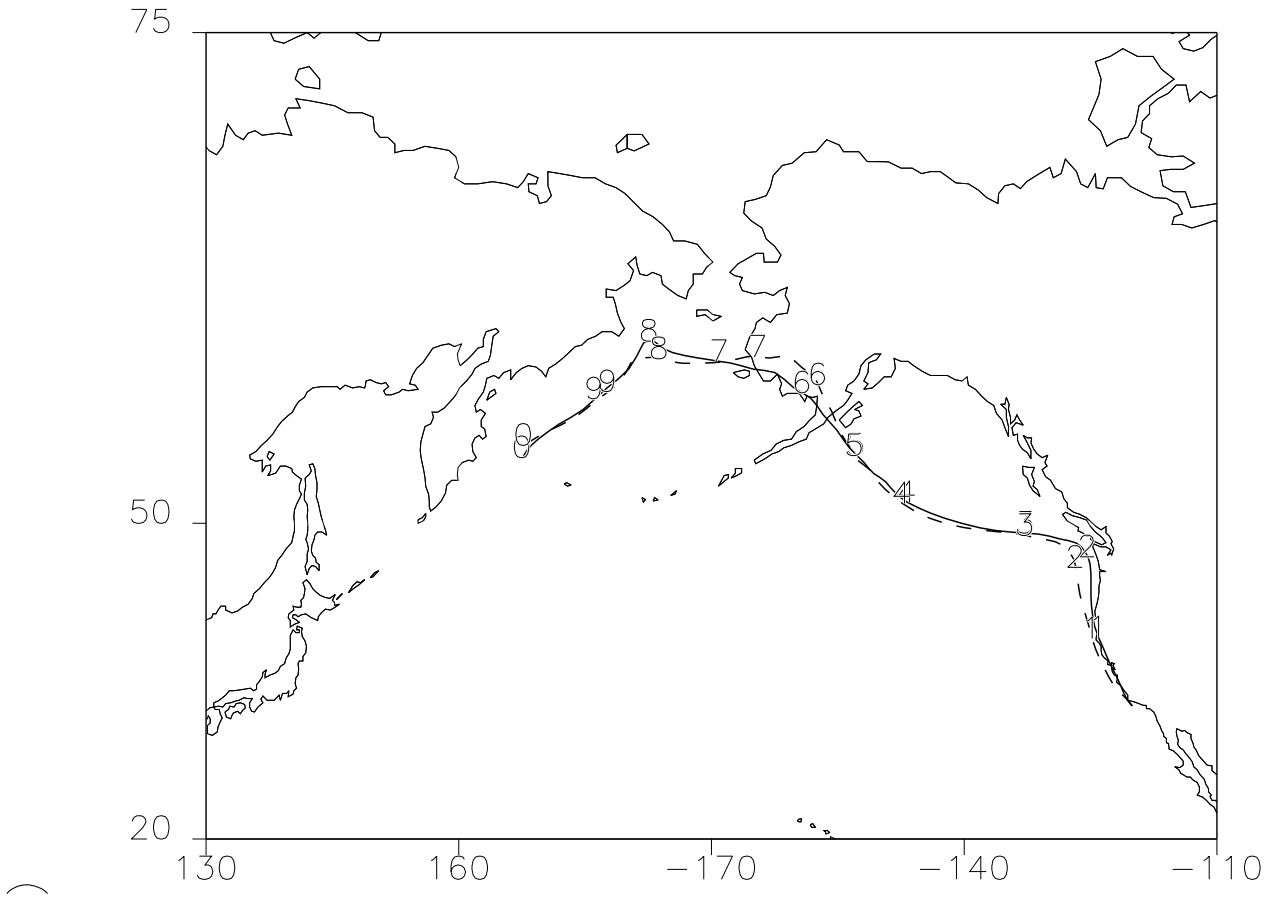
Day	km	hPa	C
0	0.3	978	13
1	0.2	1000	9
2	0.4	984	4
3	0.5	953	2
4	0.8	927	0
5	0.7	930	−1
6	0.8	919	−4
7	0.8	912	−4
8	0.9	900	−4
9	0.9	893	−4
10	0.4	961	3

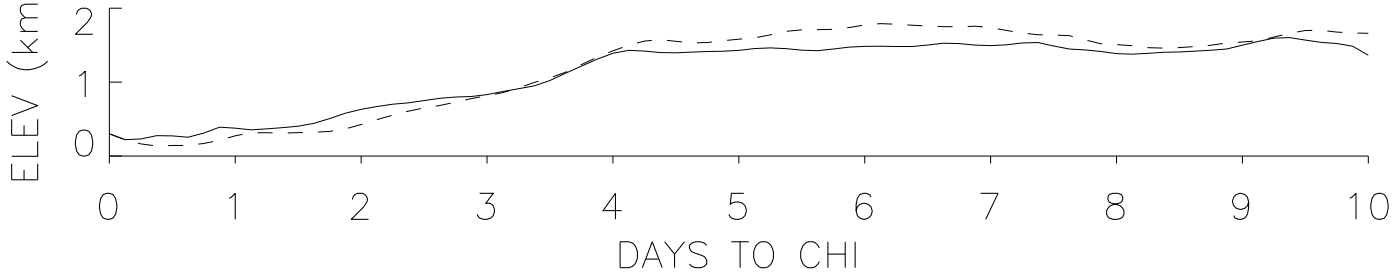
18UT

Day	km	hPa	C
0	0.3	979	17
1	0.2	998	13
2	0.3	988	5
3	0.5	960	3
4	0.9	917	−1
5	0.8	922	−2
6	0.8	915	−3
7	0.8	911	−4
8	0.7	913	−4
9	0.9	892	−4
10	0.5	943	1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/17/2002 (Day of Year 137)
NCEP/NCAR Reanalysis 1 Data Set





00UT

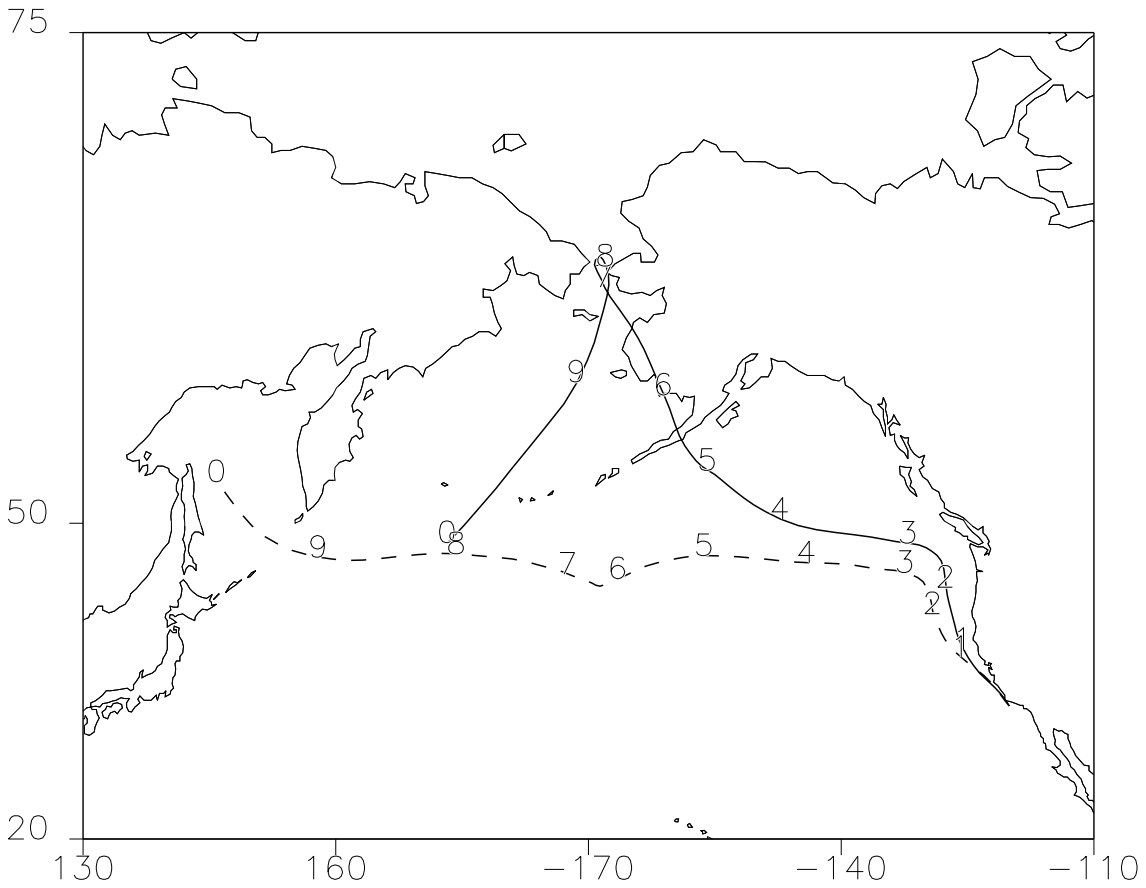
Day	km	hPa	C
0	0.3	979	16
1	0.4	973	17
2	0.6	950	4
3	0.8	923	0
4	1.4	857	−3
5	1.4	854	−7
6	1.5	846	−7
7	1.5	837	−8
8	1.4	842	−7
9	1.5	833	−7
10	1.4	842	−5

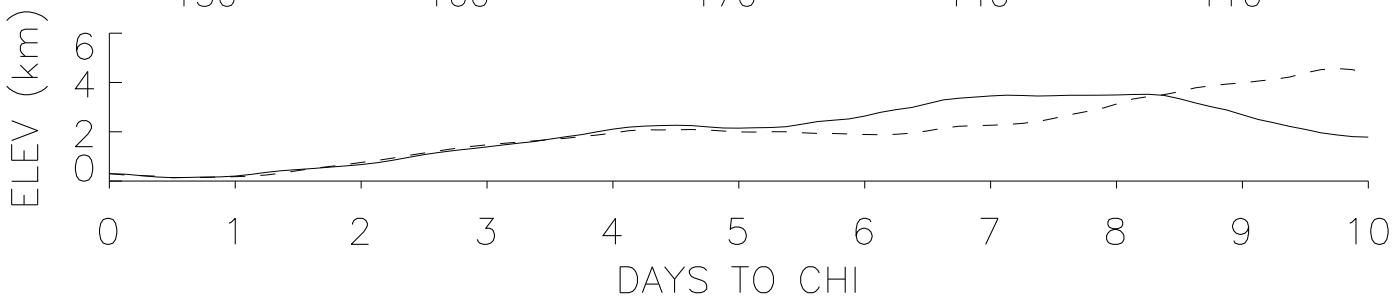
06UT

Day	km	hPa	C
0	0.3	979	15
1	0.3	987	11
2	0.4	974	5
3	0.8	927	1
4	1.4	853	−4
5	1.6	838	−7
6	1.8	816	−8
7	1.7	813	−9
8	1.5	831	−8
9	1.5	828	−8
10	1.7	811	−7

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/17/2002 (Day of Year 137)
NCEP/NCAR Reanalysis 1 Data Set





12UT

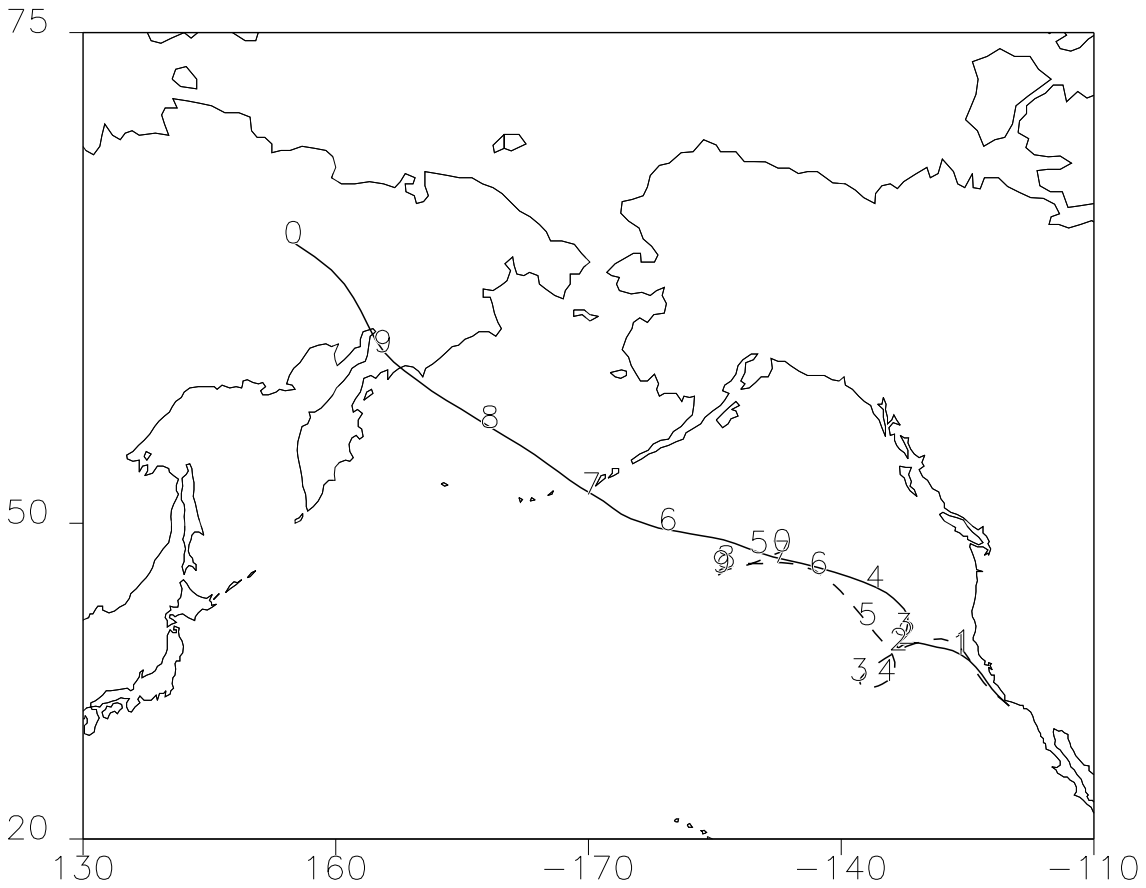
Day	km	hPa	C
0	0.3	979	14
1	0.2	995	10
2	0.7	944	4
3	1.4	866	−1
4	2.1	783	−7
5	2.1	780	−8
6	2.6	732	−11
7	3.5	648	−18
8	3.5	640	−18
9	2.7	718	−11
10	1.8	816	−3

18UT

Day	km	hPa	C
0	0.3	980	18
1	0.2	1000	12
2	0.8	937	5
3	1.5	859	1
4	1.9	806	−3
5	2.0	800	−3
6	1.9	817	1
7	2.3	782	−1
8	3.1	697	−8
9	4.0	617	−15
10	4.4	579	−19

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/18/2002 (Day of Year 138)
NCEP/NCAR Reanalysis 1 Data Set

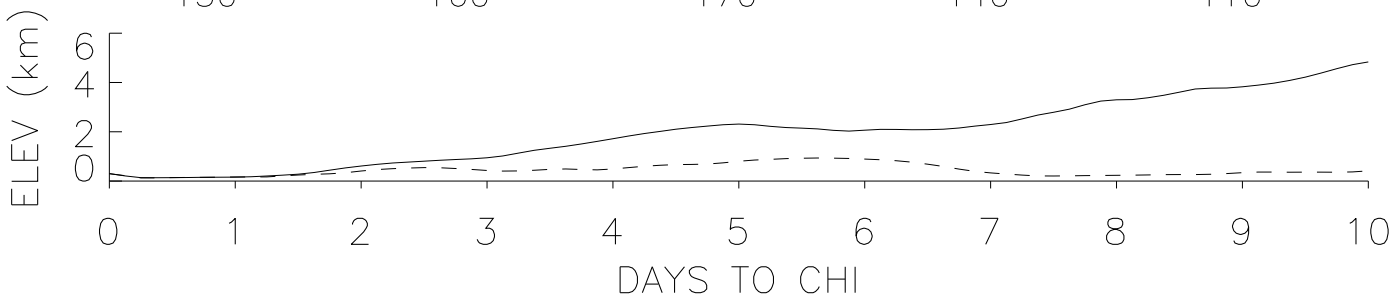


00UT

Day	km	hPa	C
0	0.3	978	18
1	0.2	1000	12
2	0.6	953	9
3	0.9	918	6
4	1.7	833	2
5	2.3	768	−6
6	2.1	795	−3
7	2.3	773	−5
8	3.3	671	−13
9	3.8	618	−17
10	4.8	535	−26

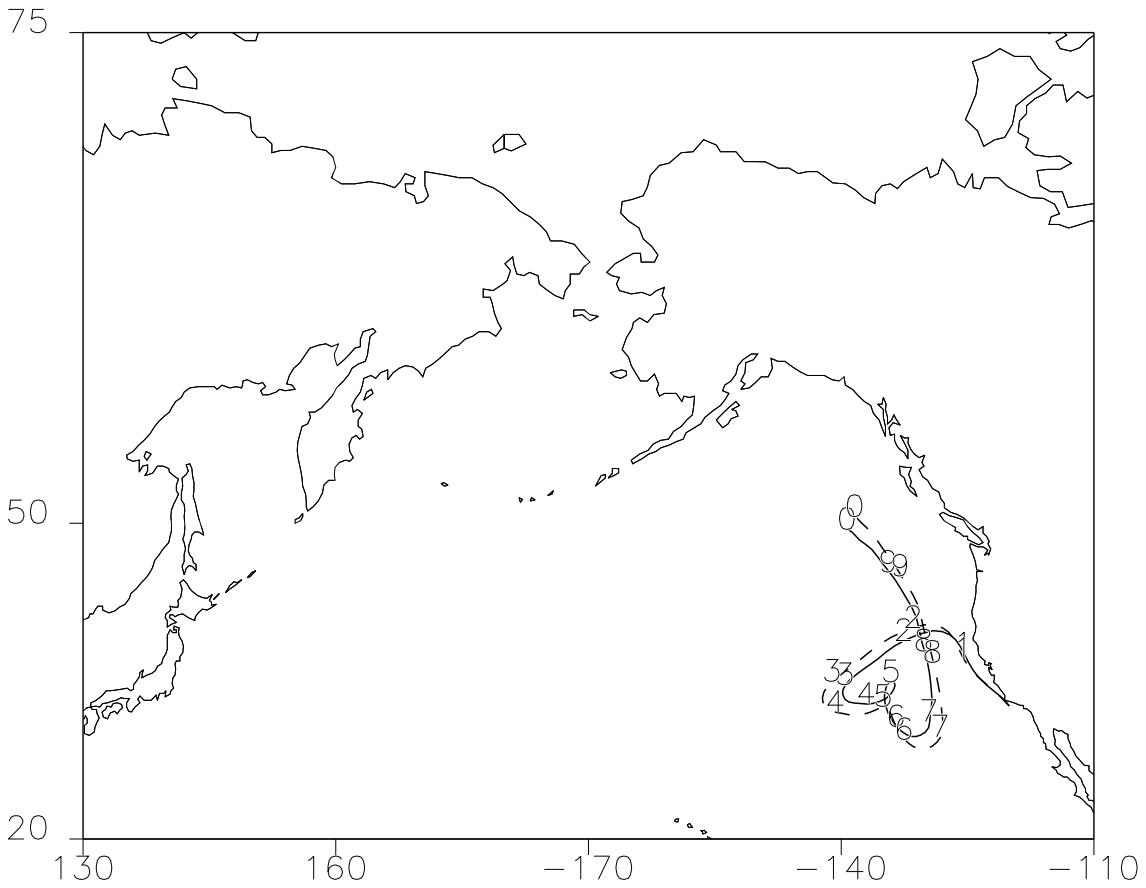
06UT

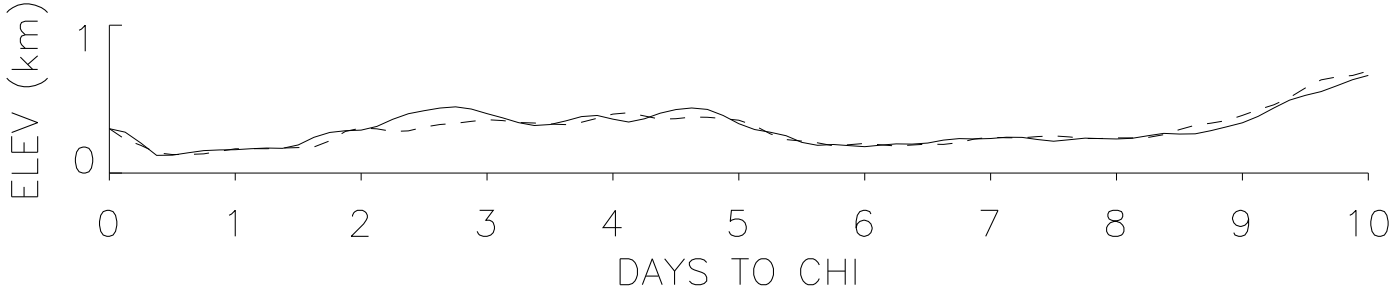
Day	km	hPa	C
0	0.3	979	15
1	0.2	1000	12
2	0.4	977	12
3	0.4	977	12
4	0.5	972	10
5	0.8	928	7
6	0.9	914	5
7	0.3	982	7
8	0.2	1000	9
9	0.3	991	9
10	0.4	981	7



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/18/2002 (Day of Year 138)
NCEP/NCAR Reanalysis 1 Data Set





12UT

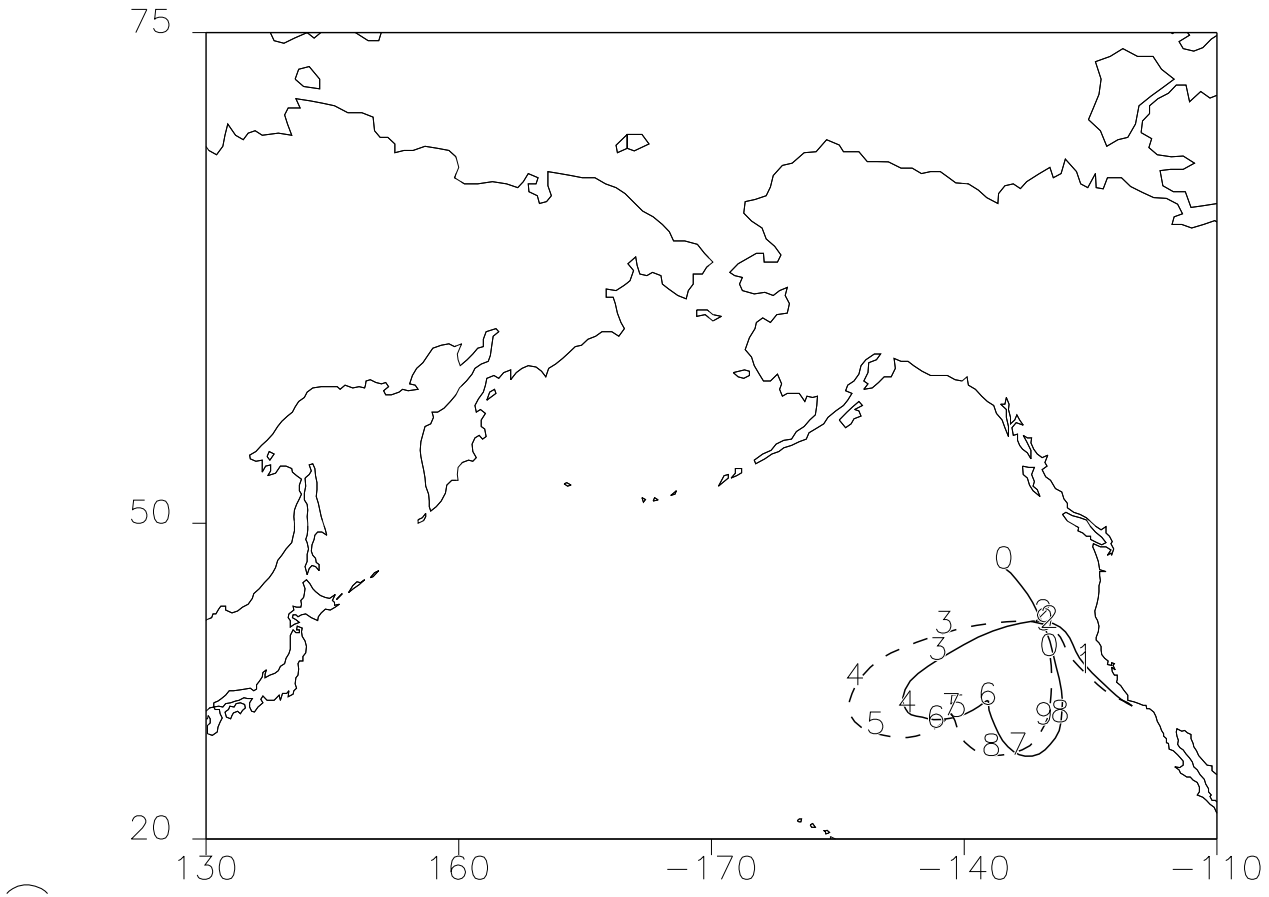
Day	km	hPa	C
0	0.3	978	13
1	0.2	1000	12
2	0.3	986	12
3	0.4	979	12
4	0.4	985	12
5	0.3	985	13
6	0.2	1000	14
7	0.2	996	9
8	0.2	1000	8
9	0.3	987	6
10	0.7	951	2

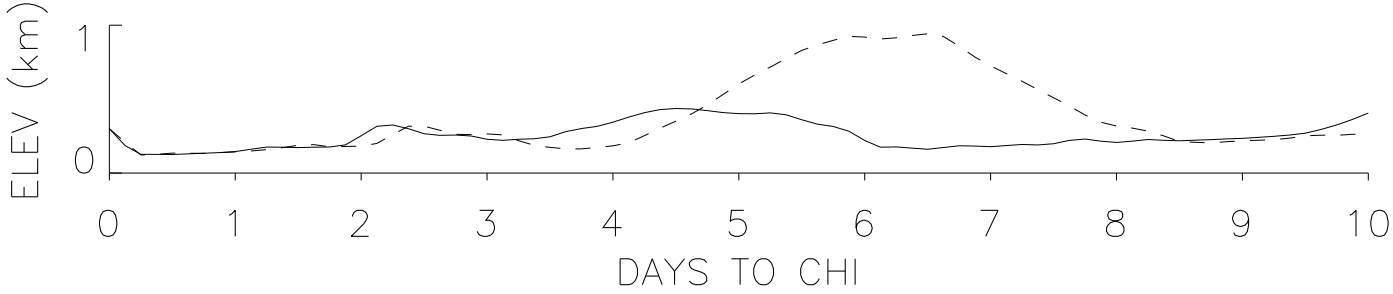
18UT

Day	km	hPa	C
0	0.3	979	16
1	0.2	1000	13
2	0.3	984	12
3	0.4	984	15
4	0.4	981	14
5	0.4	985	14
6	0.2	1000	14
7	0.2	994	10
8	0.2	999	8
9	0.4	982	6
10	0.7	946	2

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/19/2002 (Day of Year 139)
NCEP/NCAR Reanalysis 1 Data Set





00UT

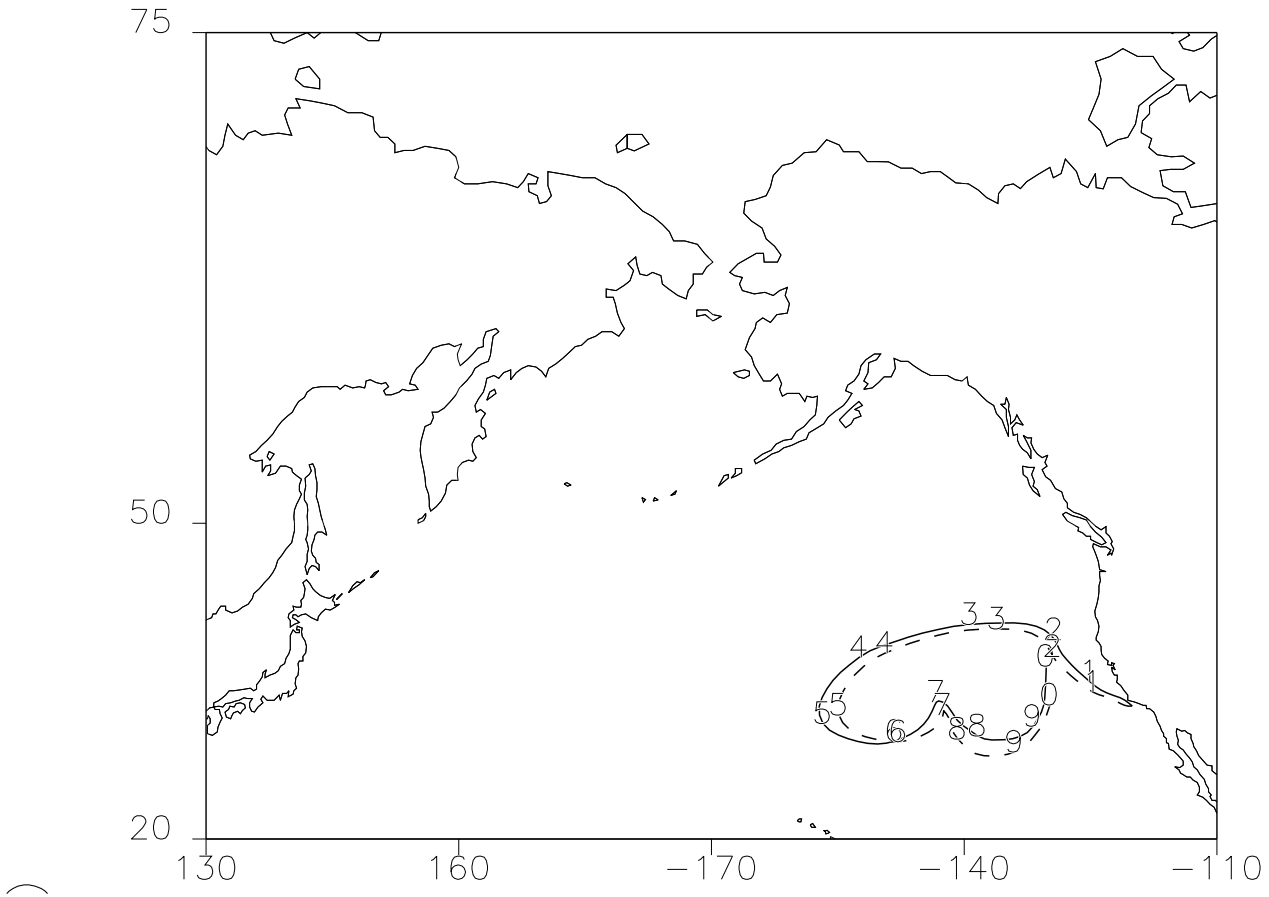
Day	km	hPa	C
0	0.3	977	18
1	0.1	1000	12
2	0.3	990	11
3	0.2	995	17
4	0.3	985	17
5	0.4	979	14
6	0.2	995	16
7	0.2	1000	14
8	0.2	1000	9
9	0.2	1000	7
10	0.4	981	6

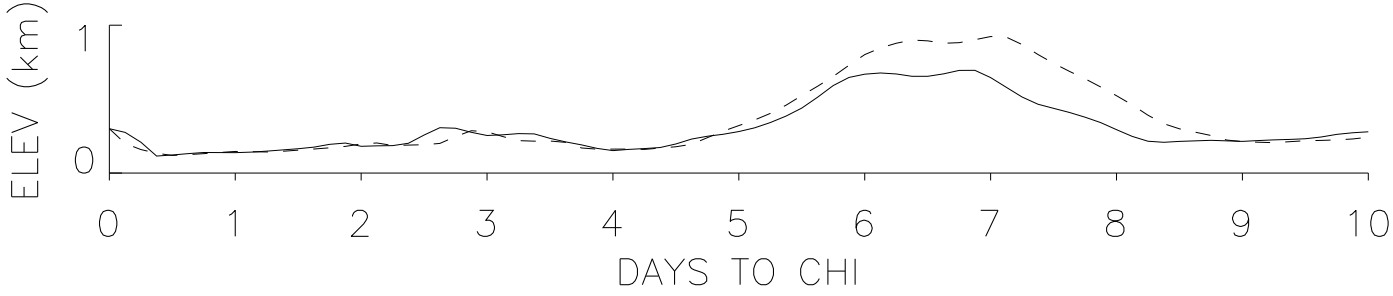
06UT

Day	km	hPa	C
0	0.3	977	14
1	0.1	1000	10
2	0.2	1000	11
3	0.3	987	14
4	0.2	1000	17
5	0.6	955	15
6	0.9	918	13
7	0.7	934	13
8	0.3	985	13
9	0.2	1000	10
10	0.3	996	7

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/19/2002 (Day of Year 139)
NCEP/NCAR Reanalysis 1 Data Set





12UT

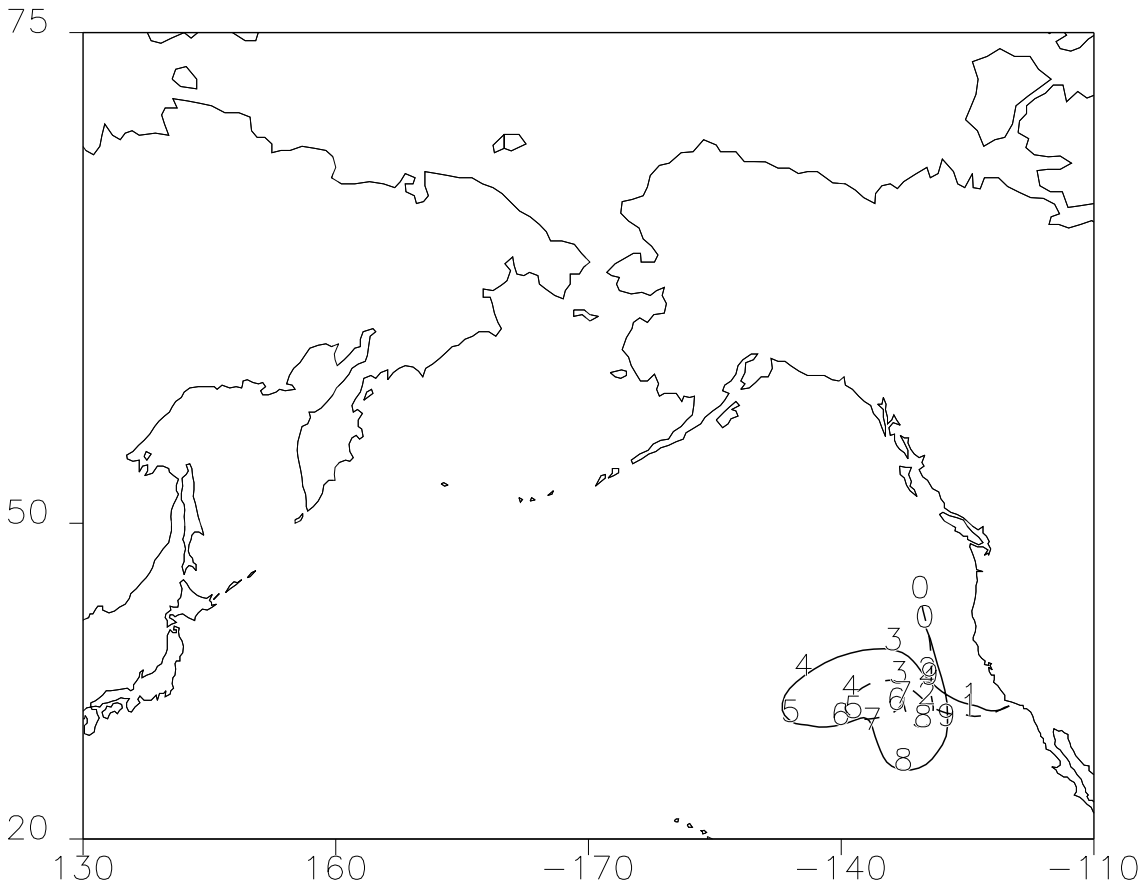
Day	km	hPa	C
0	0.3	977	12
1	0.1	1000	10
2	0.2	1000	11
3	0.3	987	13
4	0.2	1000	15
5	0.3	990	18
6	0.7	946	14
7	0.6	943	13
8	0.3	987	13
9	0.2	1000	11
10	0.3	994	7

18UT

Day	km	hPa	C
0	0.3	978	15
1	0.1	1000	12
2	0.2	999	10
3	0.3	987	13
4	0.2	1000	15
5	0.3	986	17
6	0.8	933	14
7	0.9	914	13
8	0.5	958	14
9	0.2	1000	13
10	0.2	999	9

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/20/2002 (Day of Year 140)
NCEP/NCAR Reanalysis 1 Data Set

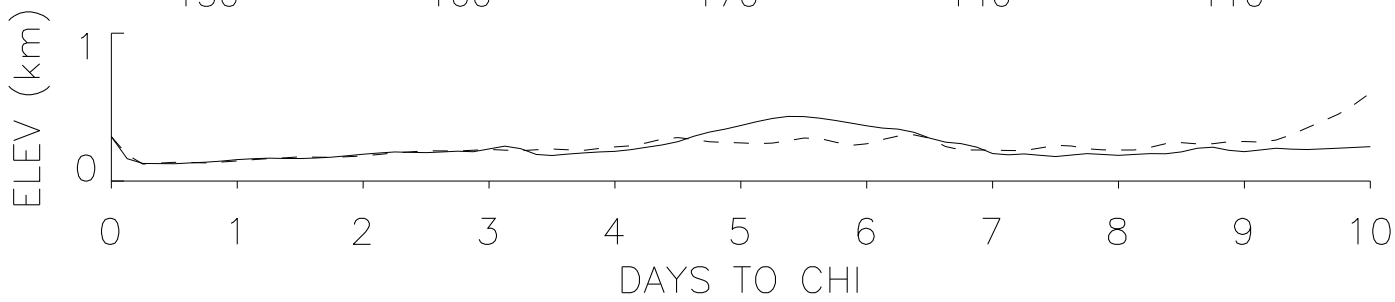


00UT

Day	km	hPa	C
0	0.3	977	15
1	0.1	1000	11
2	0.2	1000	10
3	0.2	997	13
4	0.2	1000	18
5	0.4	982	17
6	0.4	982	15
7	0.2	999	17
8	0.2	1000	15
9	0.2	1000	9
10	0.2	1000	7

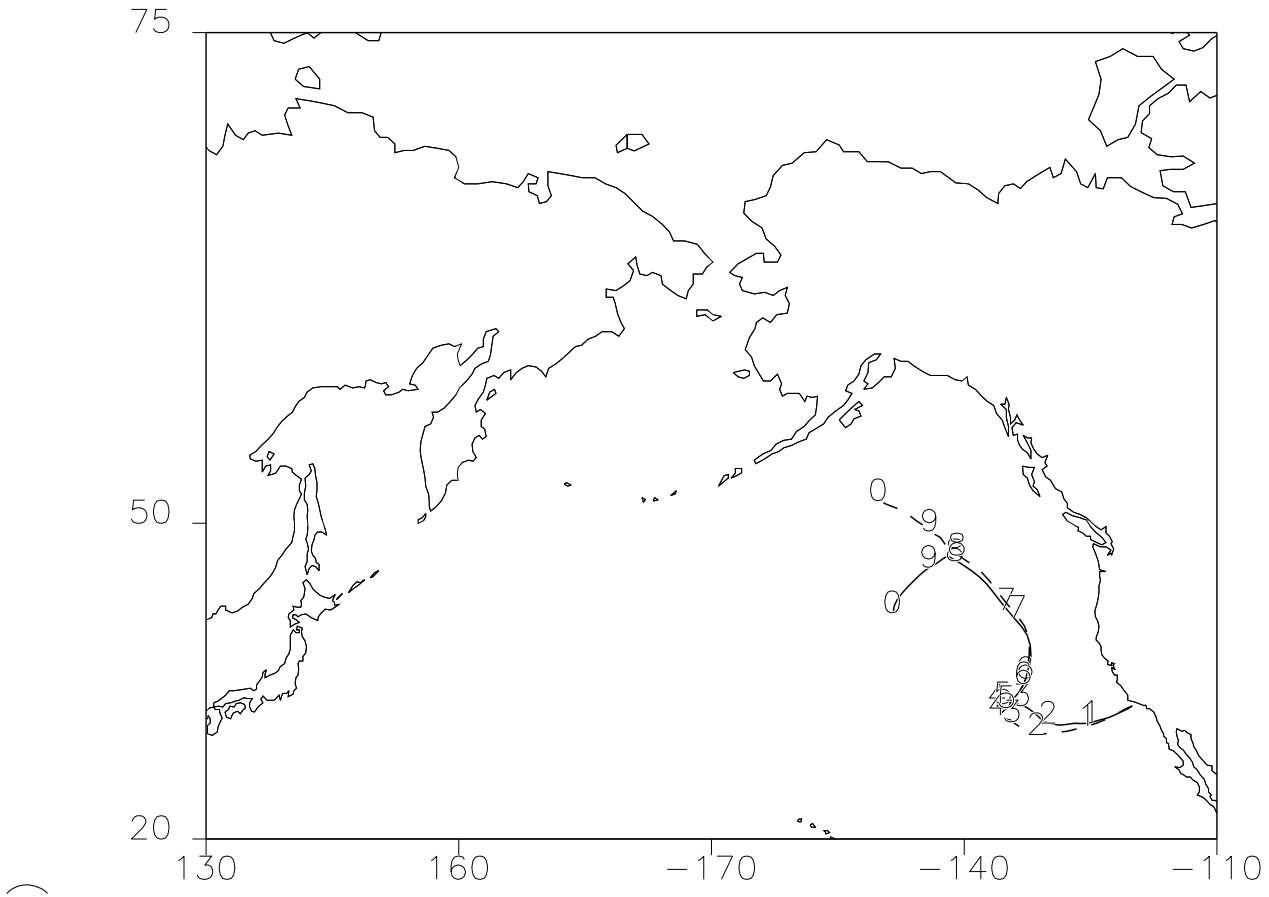
06UT

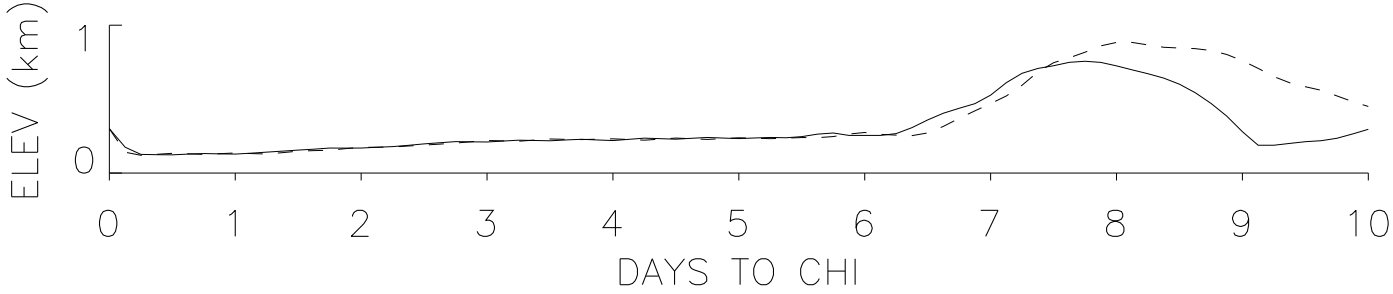
Day	km	hPa	C
0	0.3	979	14
1	0.1	1000	12
2	0.2	1000	13
3	0.2	1000	14
4	0.2	1000	15
5	0.3	997	14
6	0.3	998	13
7	0.2	1000	14
8	0.2	999	11
9	0.3	993	9
10	0.6	956	4



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/20/2002 (Day of Year 140)
NCEP/NCAR Reanalysis 1 Data Set





12UT

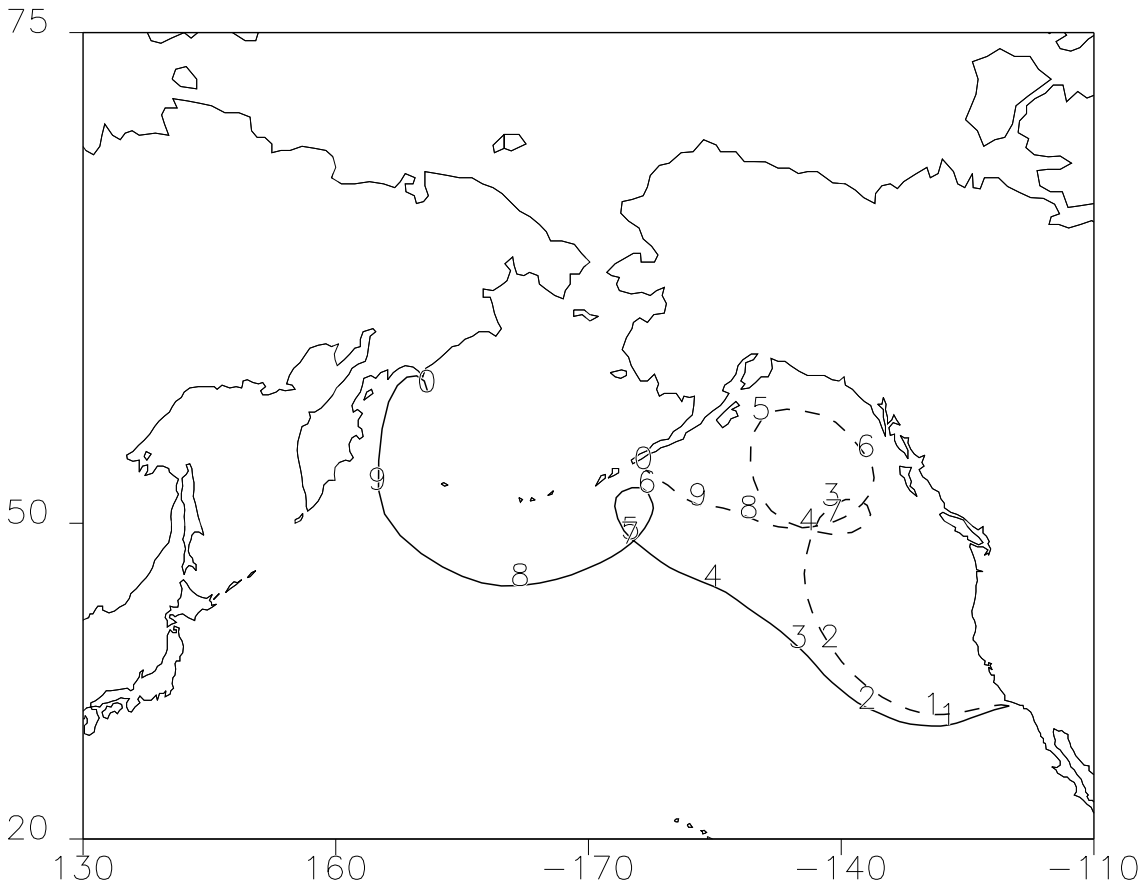
Day	km	hPa	C
0	0.3	978	13
1	0.1	1000	12
2	0.2	1000	14
3	0.2	1000	14
4	0.2	1000	13
5	0.2	1000	11
6	0.3	1000	10
7	0.5	958	8
8	0.7	932	6
9	0.3	987	8
10	0.3	993	13

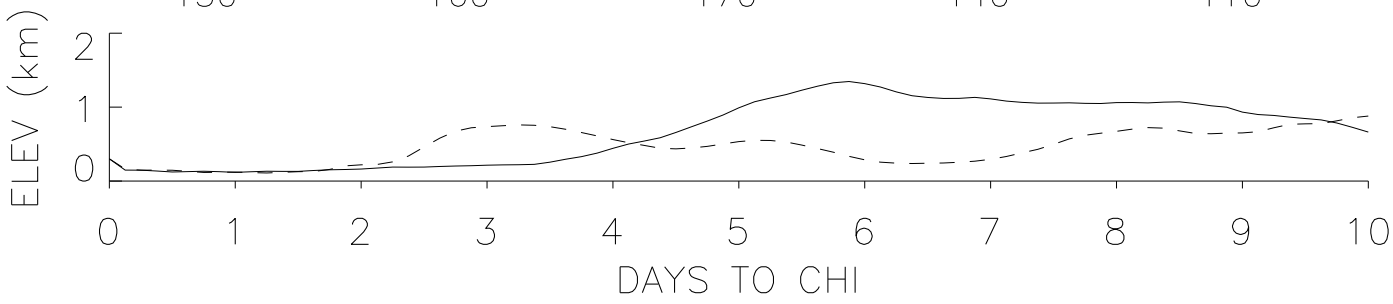
18UT

Day	km	hPa	C
0	0.3	981	13
1	0.1	1000	14
2	0.2	1000	16
3	0.2	1000	15
4	0.2	1000	14
5	0.2	1000	11
6	0.3	998	10
7	0.5	970	8
8	0.9	914	4
9	0.8	929	4
10	0.5	966	3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/21/2002 (Day of Year 141)
NCEP/NCAR Reanalysis 1 Data Set





00UT

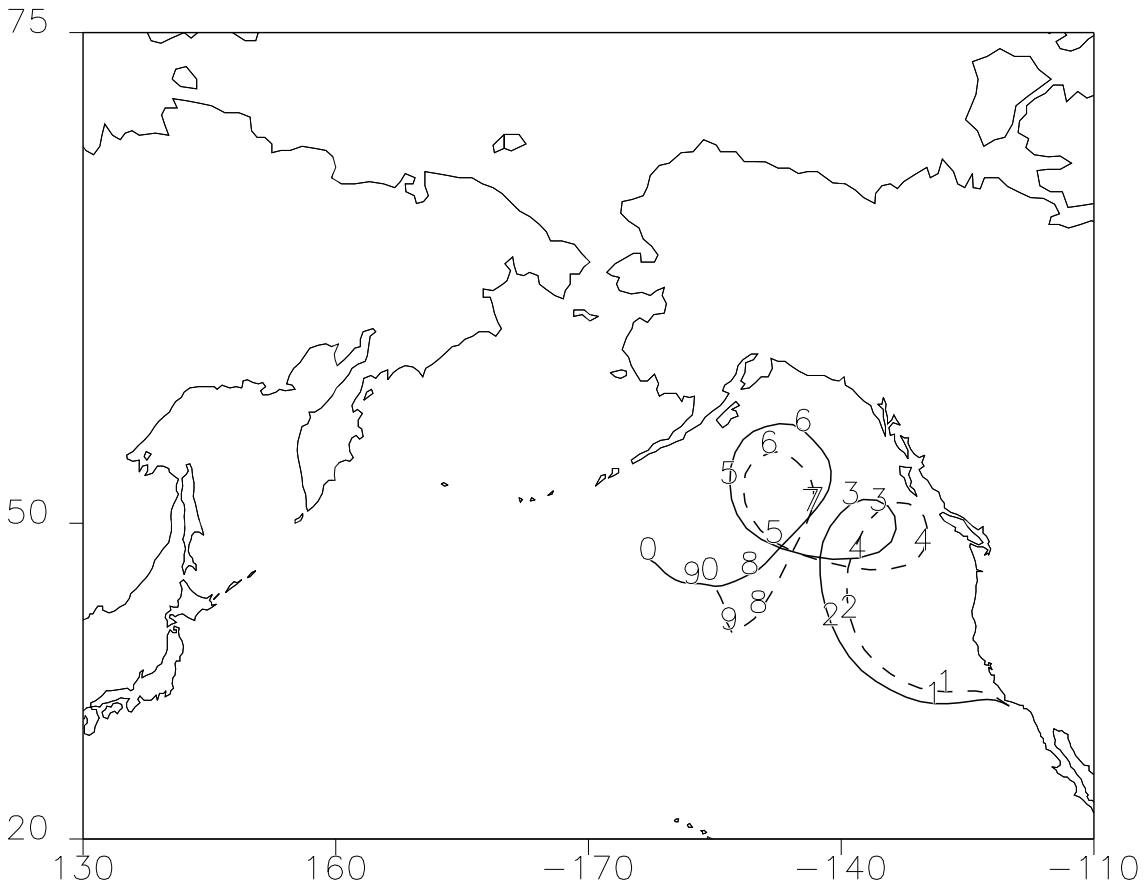
Day	km	hPa	C
0	0.3	981	13
1	0.1	1000	14
2	0.2	1000	15
3	0.2	1000	11
4	0.4	971	6
5	1.0	898	3
6	1.3	850	0
7	1.1	873	1
8	1.1	886	0
9	0.9	895	−1
10	0.7	931	−2

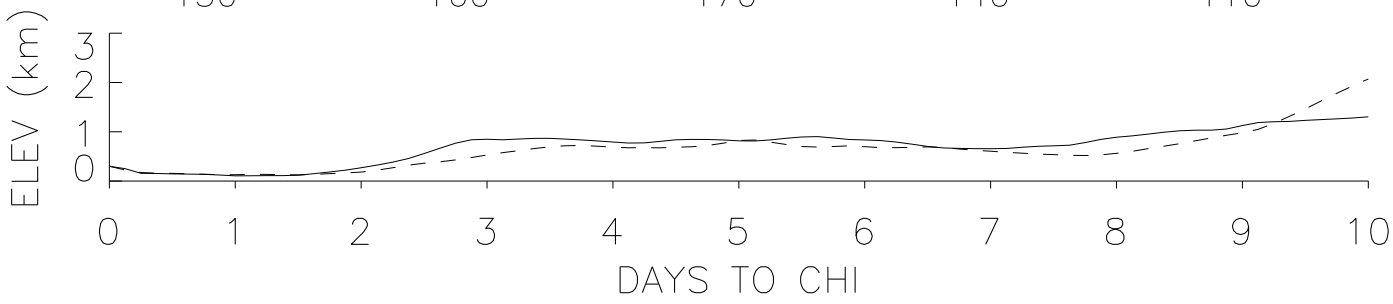
06UT

Day	km	hPa	C
0	0.3	983	11
1	0.1	1000	14
2	0.2	993	11
3	0.7	925	2
4	0.6	938	3
5	0.5	943	3
6	0.3	982	3
7	0.3	986	5
8	0.7	940	1
9	0.7	946	0
10	0.9	921	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/21/2002 (Day of Year 141)
NCEP/NCAR Reanalysis 1 Data Set





12UT

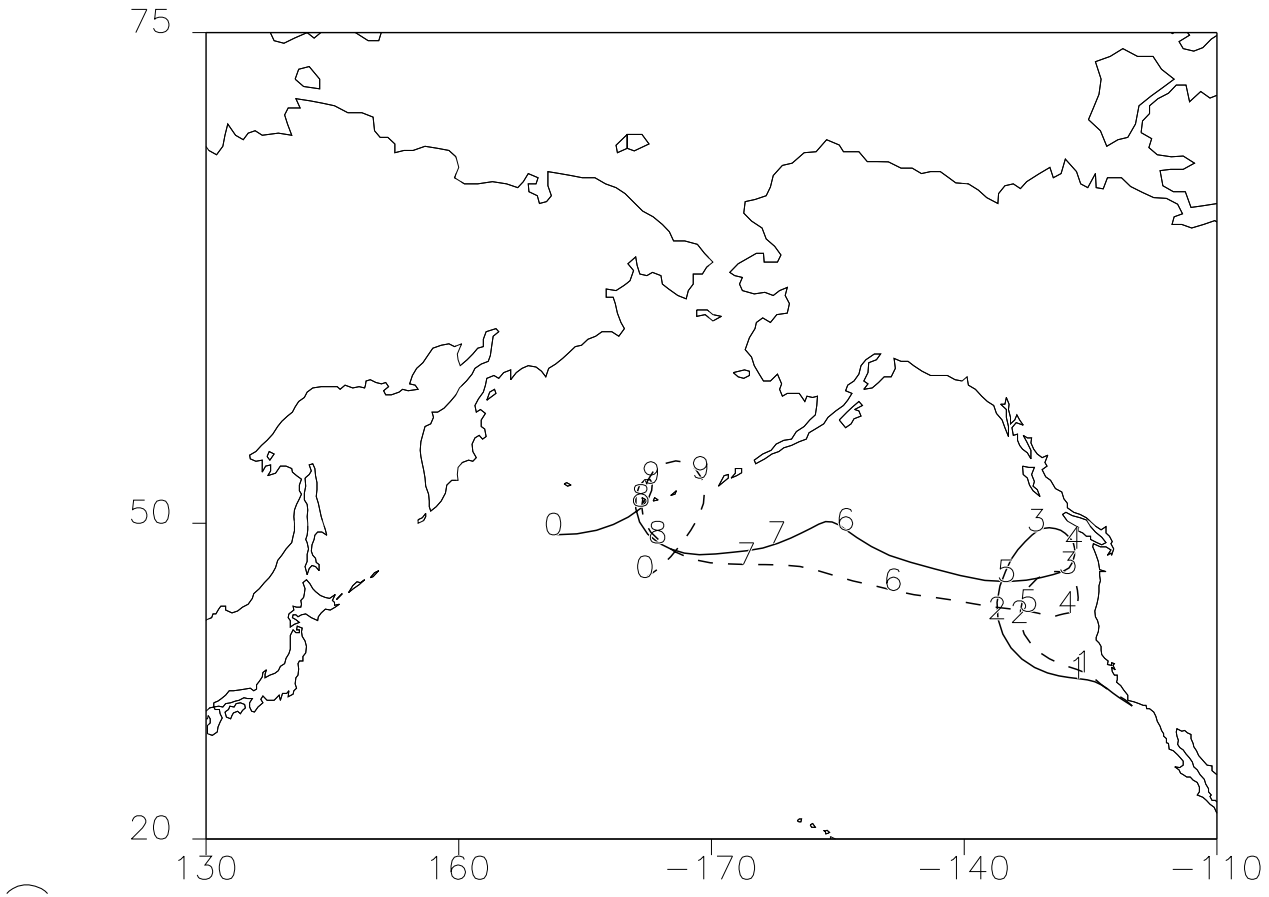
Day	km	hPa	C
0	0.3	983	11
1	0.1	1000	12
2	0.3	985	9
3	0.8	915	1
4	0.8	916	4
5	0.8	913	−1
6	0.8	910	0
7	0.7	940	3
8	0.9	920	4
9	1.1	896	2
10	1.3	879	0

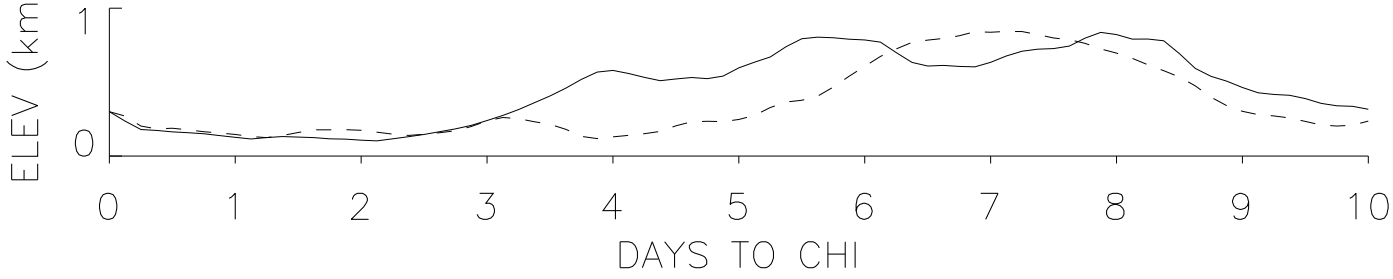
18UT

Day	km	hPa	C
0	0.3	985	13
1	0.1	999	13
2	0.2	992	10
3	0.5	951	3
4	0.7	935	4
5	0.8	913	2
6	0.7	921	1
7	0.6	943	5
8	0.6	960	7
9	1.0	913	3
10	2.1	796	−3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/22/2002 (Day of Year 142)
NCEP/NCAR Reanalysis 1 Data Set





00UT

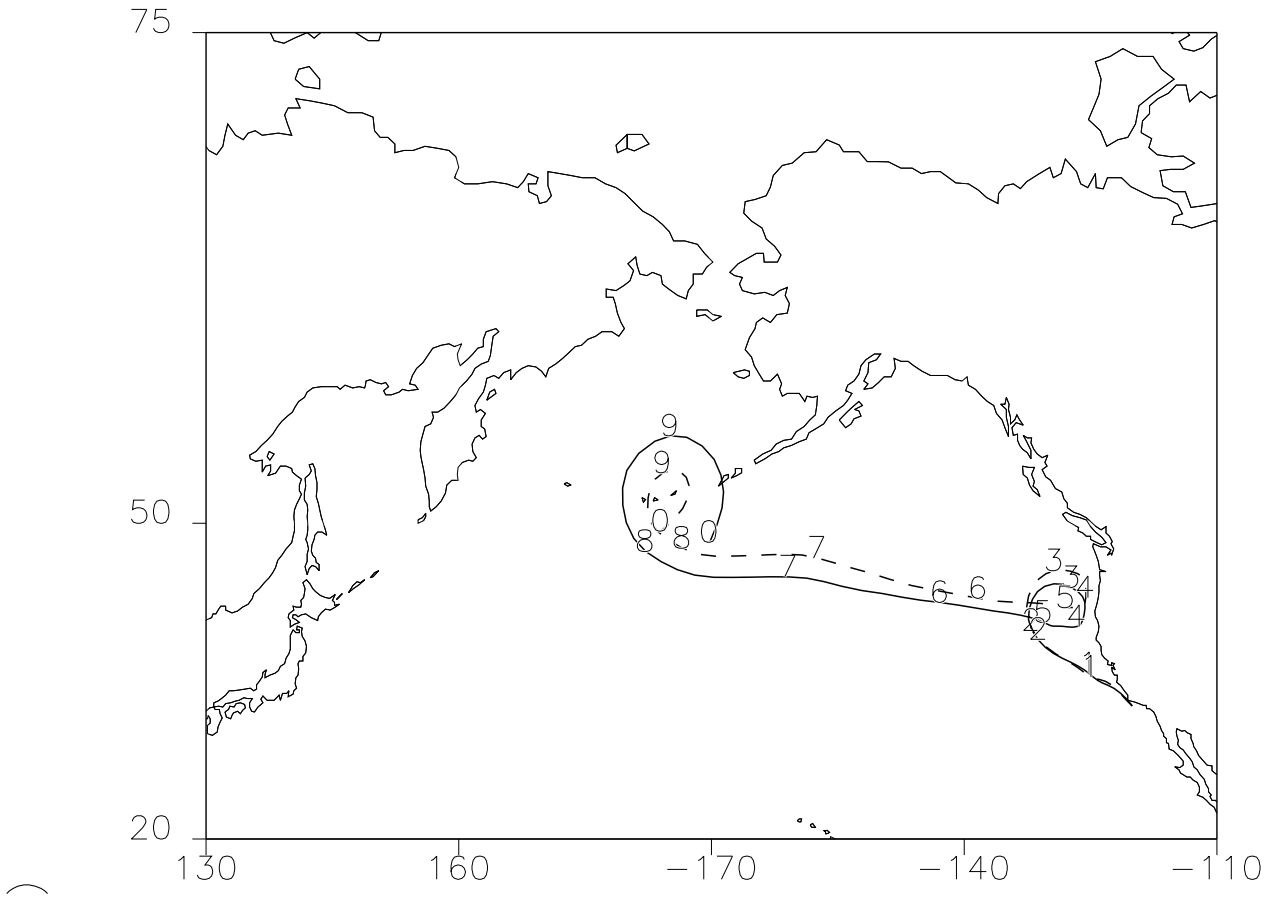
Day	km	hPa	C
0	0.3	984	14
1	0.1	1000	13
2	0.1	996	11
3	0.2	984	8
4	0.6	949	6
5	0.6	943	6
6	0.8	911	3
7	0.6	928	3
8	0.8	903	−1
9	0.5	939	1
10	0.3	963	1

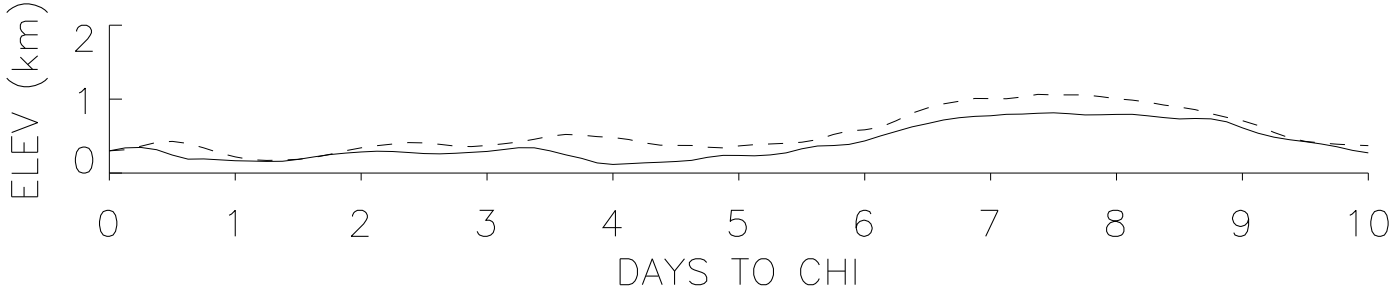
06UT

Day	km	hPa	C
0	0.3	983	12
1	0.1	1000	11
2	0.2	985	10
3	0.2	981	9
4	0.1	1000	10
5	0.2	992	9
6	0.6	941	6
7	0.8	907	2
8	0.7	919	0
9	0.3	962	3
10	0.2	983	6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/22/2002 (Day of Year 142)
NCEP/NCAR Reanalysis 1 Data Set





12UT

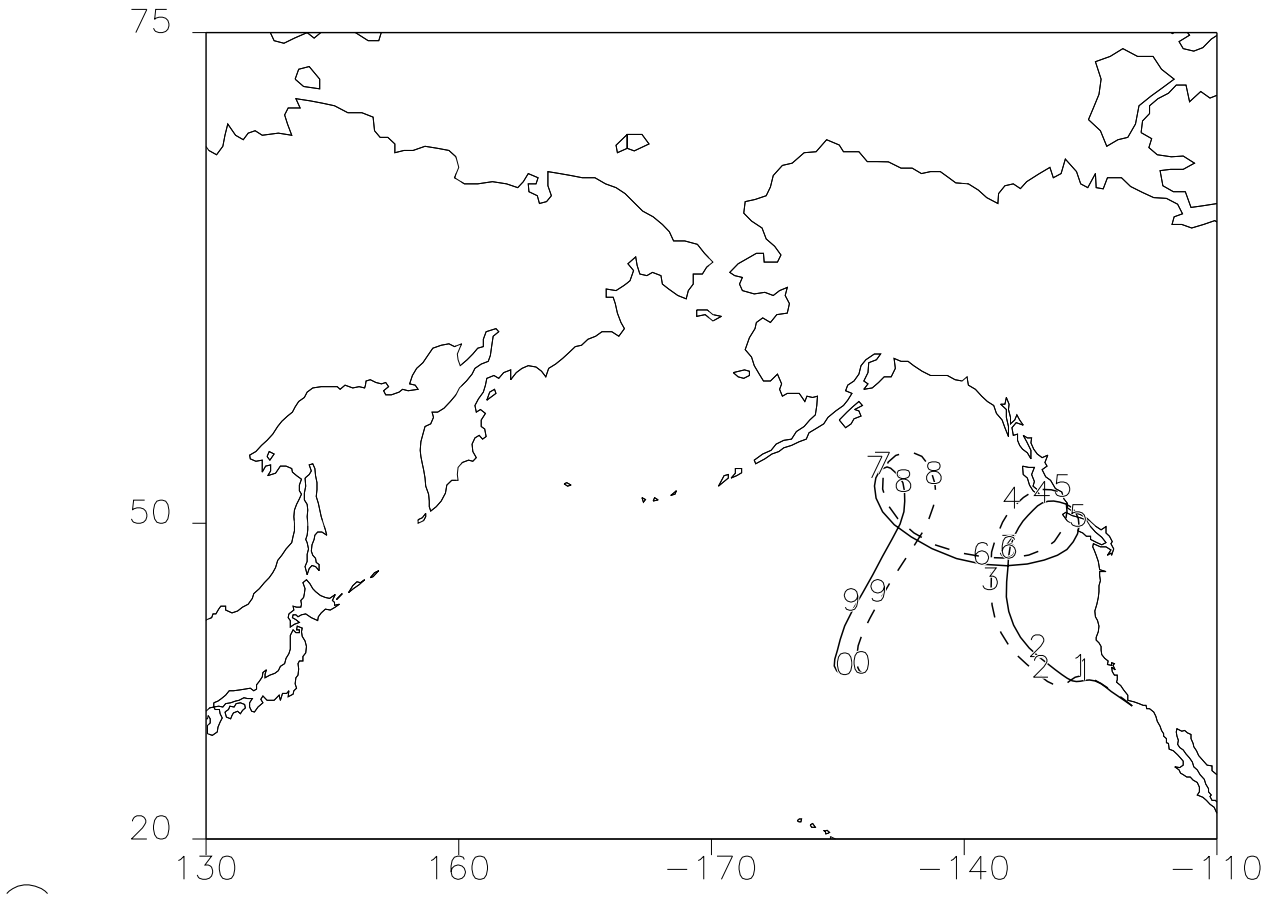
Day	km	hPa	C
0	0.3	983	10
1	0.2	1000	11
2	0.3	972	10
3	0.3	972	9
4	0.1	1000	11
5	0.2	993	9
6	0.4	964	8
7	0.8	917	3
8	0.8	912	1
9	0.6	927	1
10	0.3	979	6

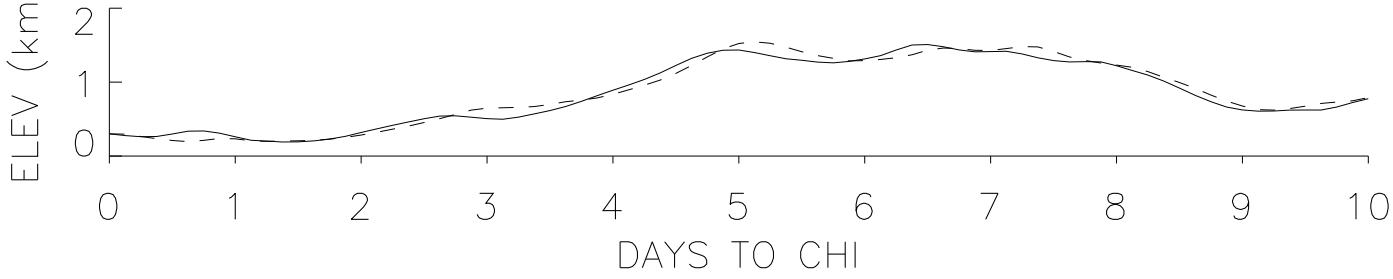
18UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	997	10
2	0.3	969	10
3	0.4	963	8
4	0.5	956	9
5	0.4	978	8
6	0.6	946	7
7	1.0	889	2
8	1.0	886	−1
9	0.7	913	0
10	0.4	955	1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/23/2002 (Day of Year 143)
NCEP/NCAR Reanalysis 1 Data Set





00UT

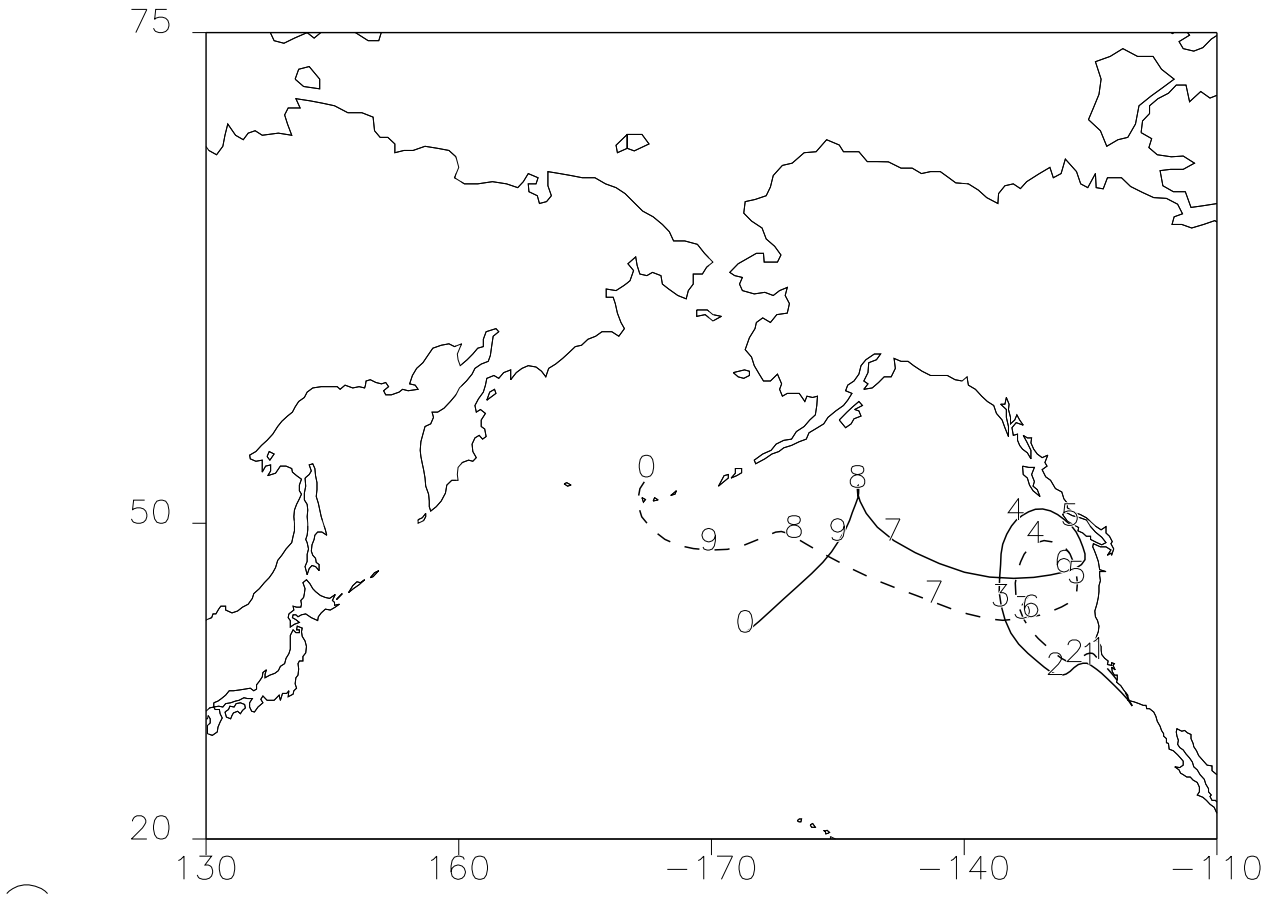
Day	km	hPa	C
0	0.3	980	16
1	0.3	992	10
2	0.3	978	10
3	0.5	952	6
4	0.9	911	5
5	1.4	854	0
6	1.3	859	0
7	1.4	840	−2
8	1.2	867	2
9	0.6	947	7
10	0.8	937	7

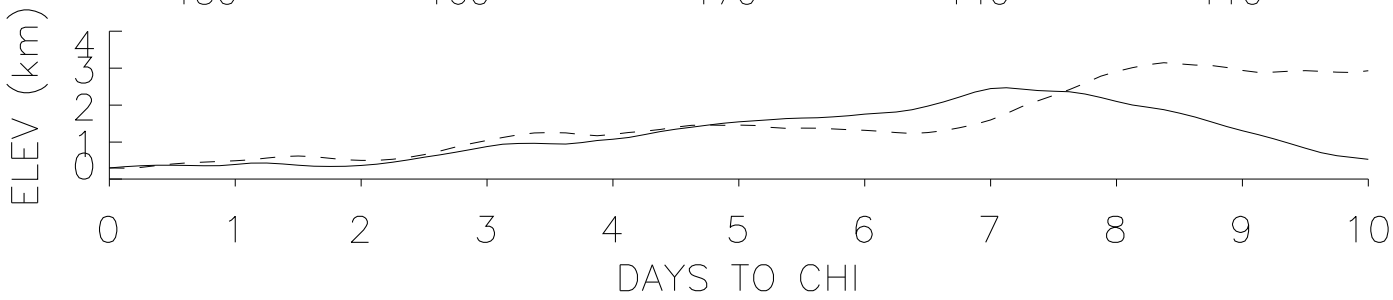
06UT

Day	km	hPa	C
0	0.3	979	15
1	0.2	995	10
2	0.3	987	10
3	0.6	937	5
4	0.8	917	4
5	1.5	844	−2
6	1.3	863	0
7	1.4	839	−3
8	1.2	866	1
9	0.7	940	7
10	0.8	935	7

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/23/2002 (Day of Year 143)
NCEP/NCAR Reanalysis 1 Data Set





12UT − solid
18UT − dashed

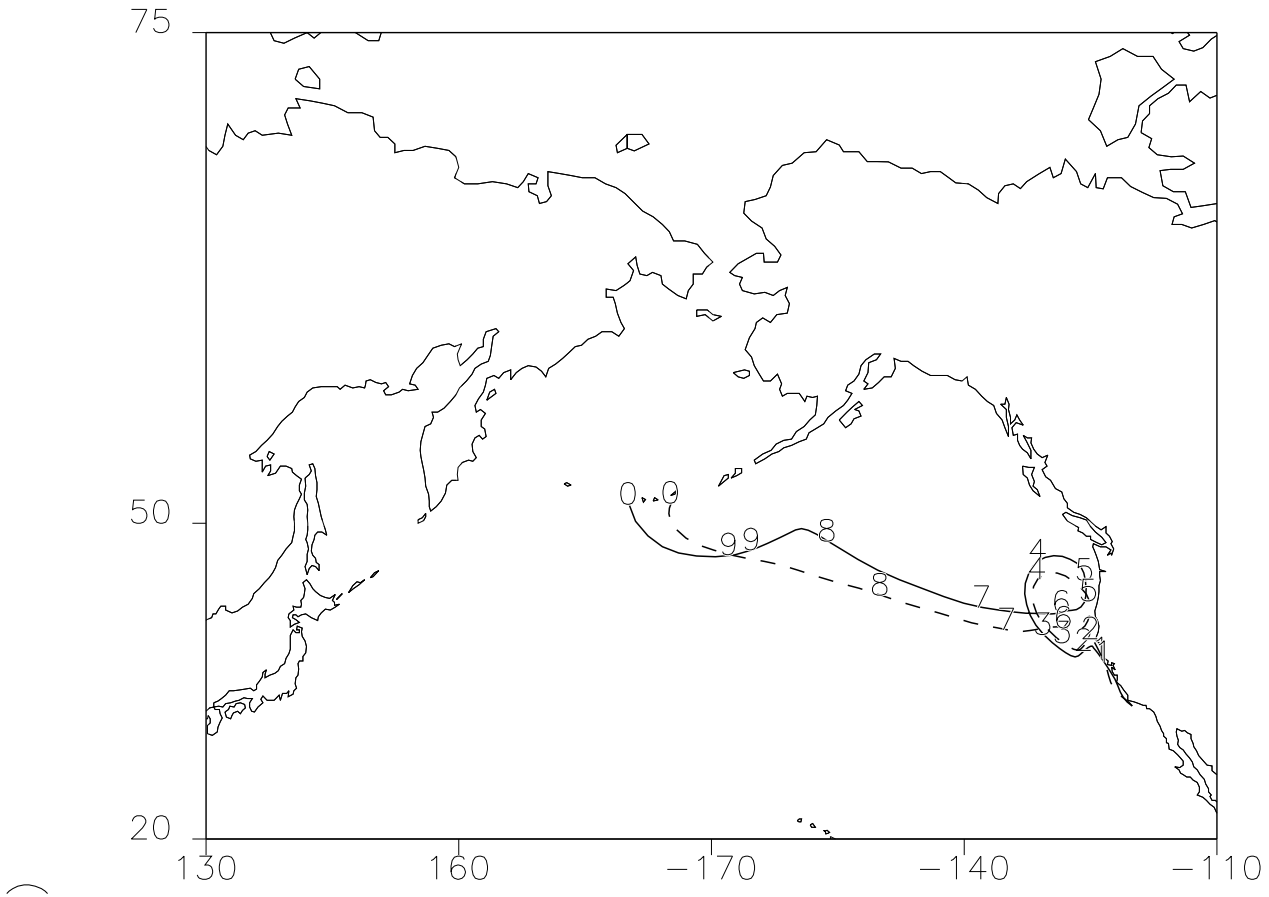
12UT

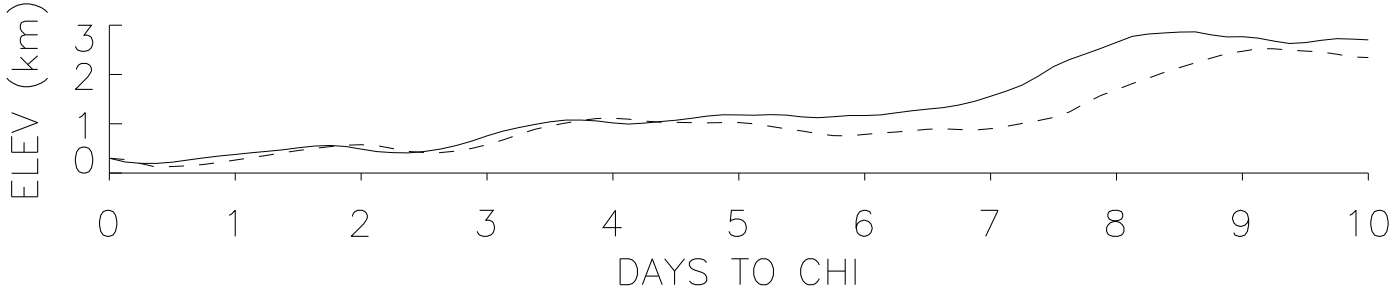
Day	km	hPa	C
0	0.3	977	13
1	0.4	974	9
2	0.4	978	9
3	0.9	910	5
4	1.1	889	2
5	1.5	838	−1
6	1.8	820	−1
7	2.4	742	−7
8	2.1	772	−5
9	1.3	857	3
10	0.5	953	10

18UT

Day	km	hPa	C
0	0.3	979	17
1	0.5	962	10
2	0.5	962	7
3	1.0	891	4
4	1.2	873	1
5	1.5	847	1
6	1.3	869	3
7	1.6	838	3
8	2.9	697	−14
9	2.9	691	−15
10	2.9	686	−16

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/24/2002 (Day of Year 144)
NCEP/NCAR Reanalysis 1 Data Set





00UT

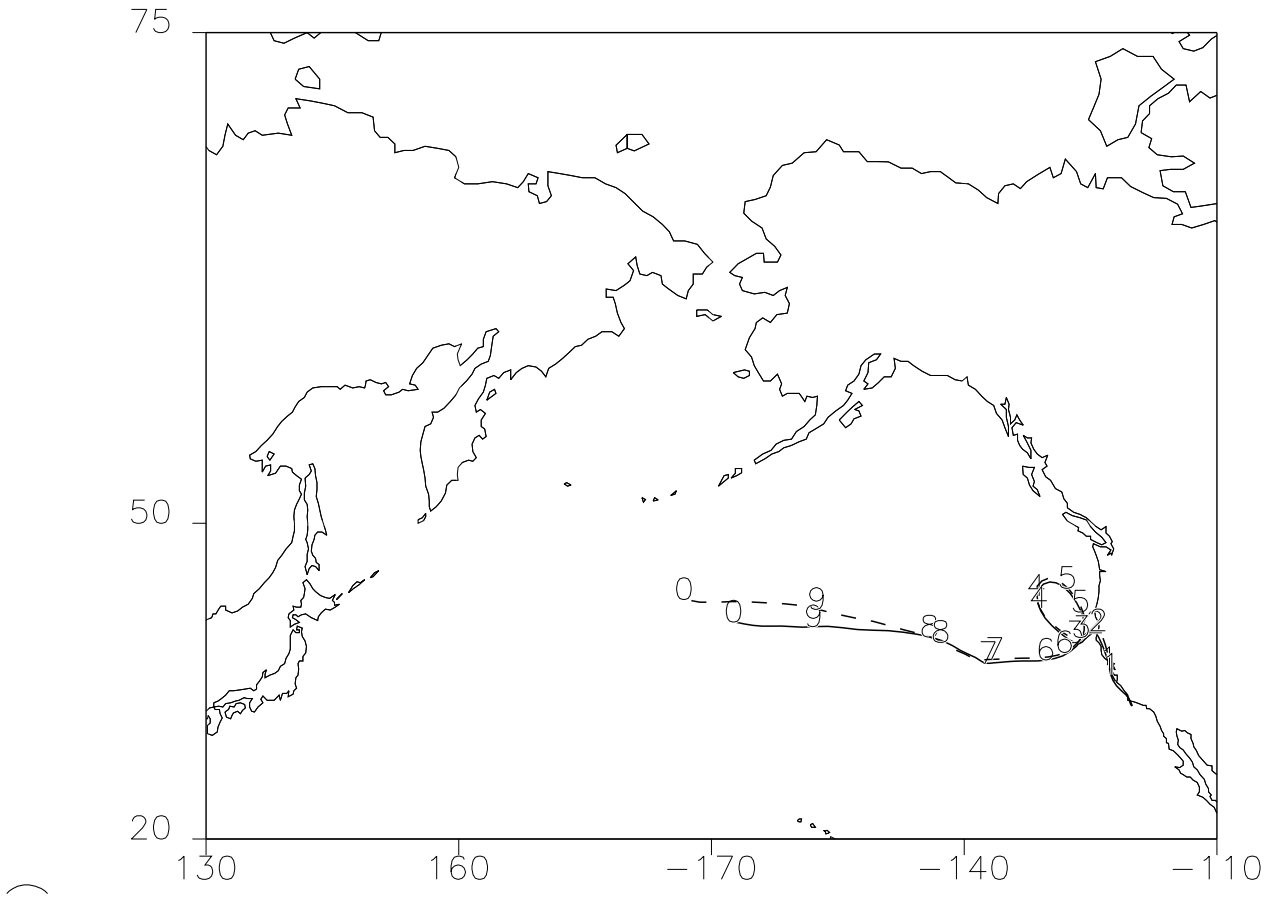
Day	km	hPa	C
0	0.3	977	17
1	0.4	975	13
2	0.5	964	8
3	0.8	925	7
4	1.0	891	4
5	1.2	877	4
6	1.2	883	5
7	1.6	843	3
8	2.7	722	−10
9	2.8	708	−12
10	2.7	710	−13

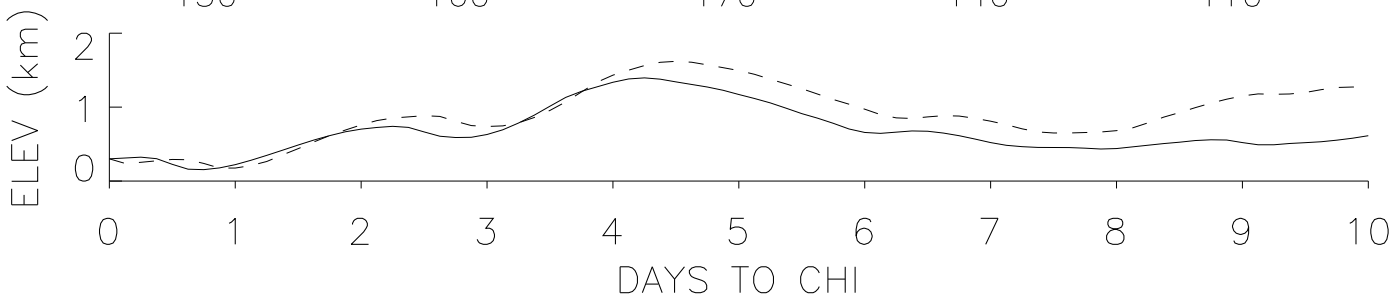
06UT

Day	km	hPa	C
0	0.3	977	17
1	0.3	987	11
2	0.6	953	6
3	0.6	948	7
4	1.1	880	3
5	1.0	893	6
6	0.8	925	6
7	0.9	918	7
8	1.7	825	0
9	2.5	736	−10
10	2.3	743	−11

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/24/2002 (Day of Year 144)
NCEP/NCAR Reanalysis 1 Data Set





12UT

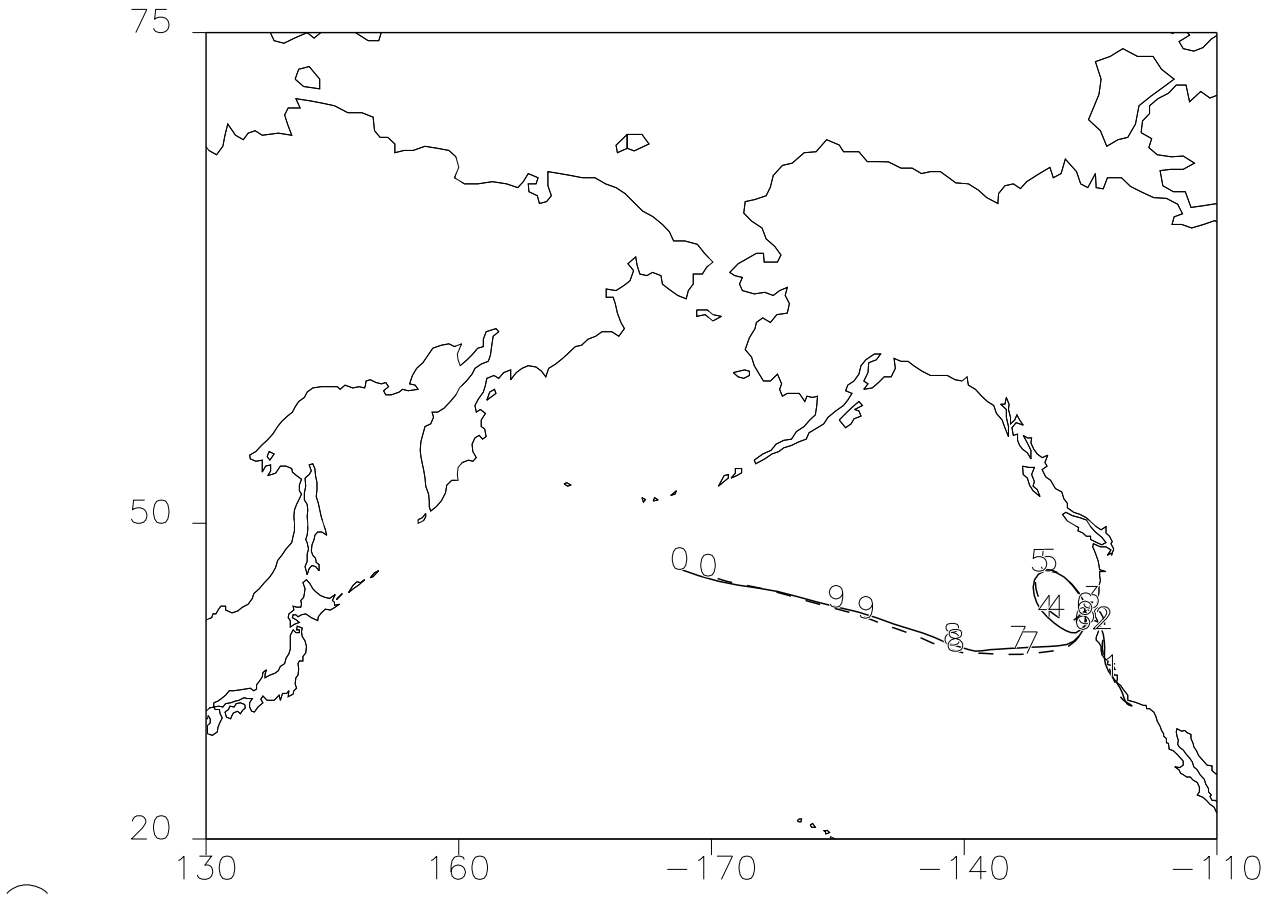
Day	km	hPa	C
0	0.3	976	15
1	0.2	990	11
2	0.7	939	5
3	0.6	944	6
4	1.3	856	2
5	1.2	873	3
6	0.7	939	8
7	0.5	963	11
8	0.4	969	11
9	0.5	954	9
10	0.6	940	5

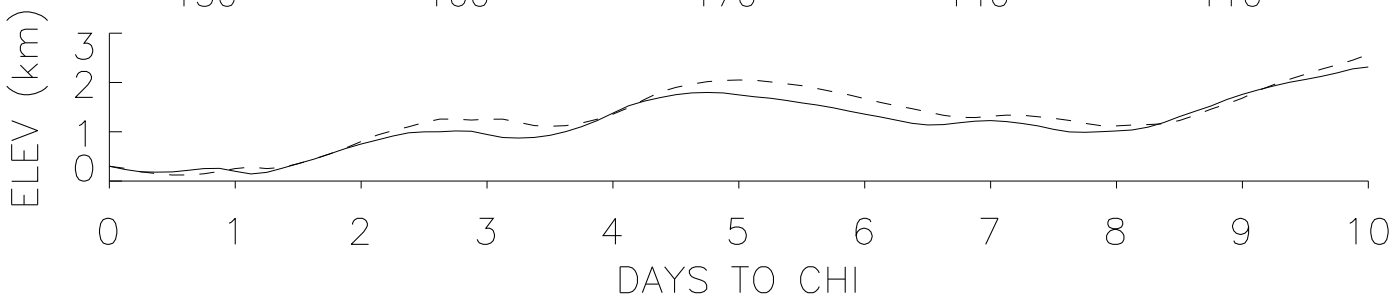
18UT

Day	km	hPa	C
0	0.3	978	19
1	0.2	995	17
2	0.8	933	7
3	0.7	934	5
4	1.4	847	2
5	1.5	838	1
6	1.0	902	6
7	0.8	929	8
8	0.7	943	9
9	1.2	882	4
10	1.3	865	0

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/25/2002 (Day of Year 145)
NCEP/NCAR Reanalysis 1 Data Set





00UT

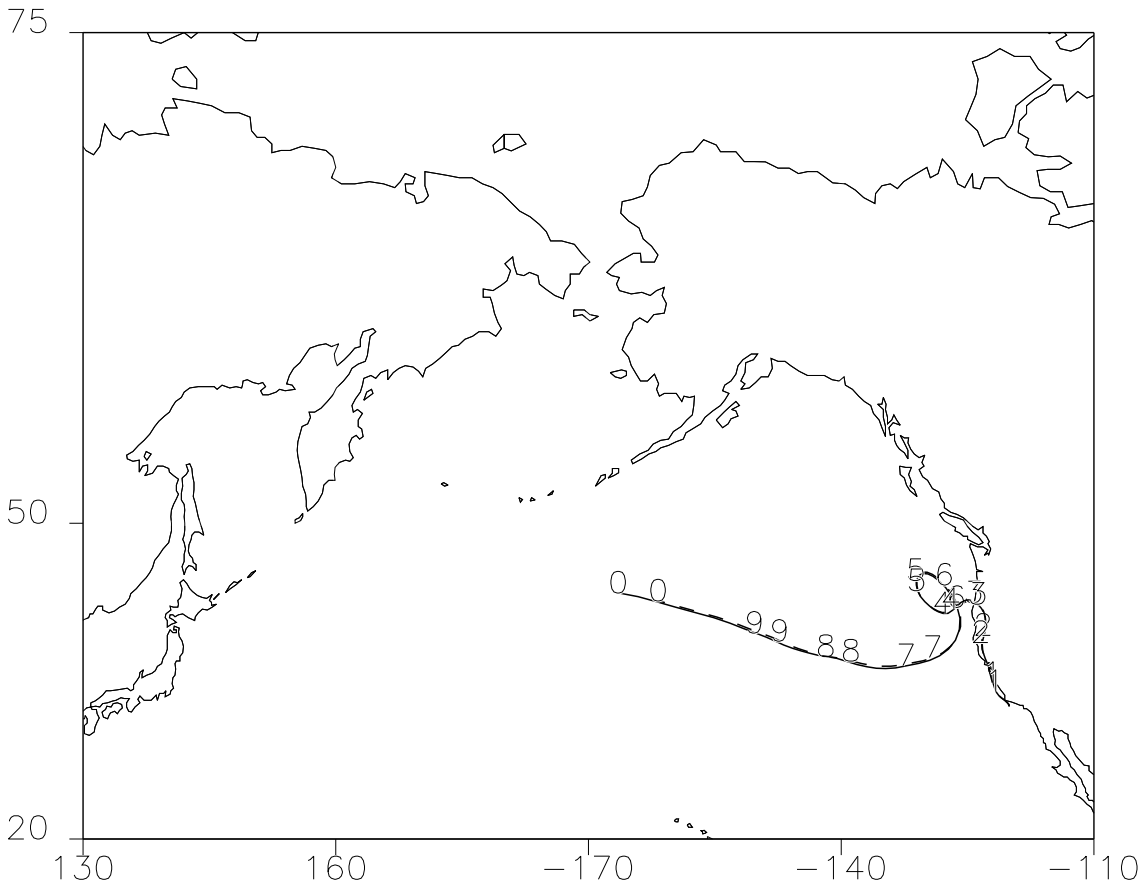
Day	km	hPa	C
0	0.3	976	18
1	0.2	990	19
2	0.8	933	10
3	0.9	911	4
4	1.4	855	3
5	1.7	813	0
6	1.4	858	5
7	1.2	880	7
8	1.0	907	7
9	1.8	819	1
10	2.3	755	−7

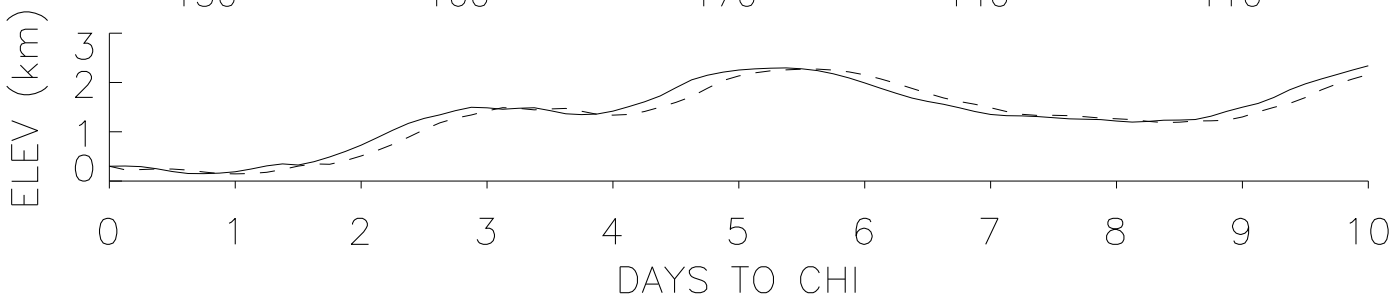
06UT

Day	km	hPa	C
0	0.3	978	16
1	0.3	984	16
2	0.8	927	8
3	1.3	877	2
4	1.4	859	2
5	2.1	783	−3
6	1.7	824	2
7	1.3	869	7
8	1.1	895	7
9	1.7	831	3
10	2.6	732	−8

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/25/2002 (Day of Year 145)
NCEP/NCAR Reanalysis 1 Data Set





12UT

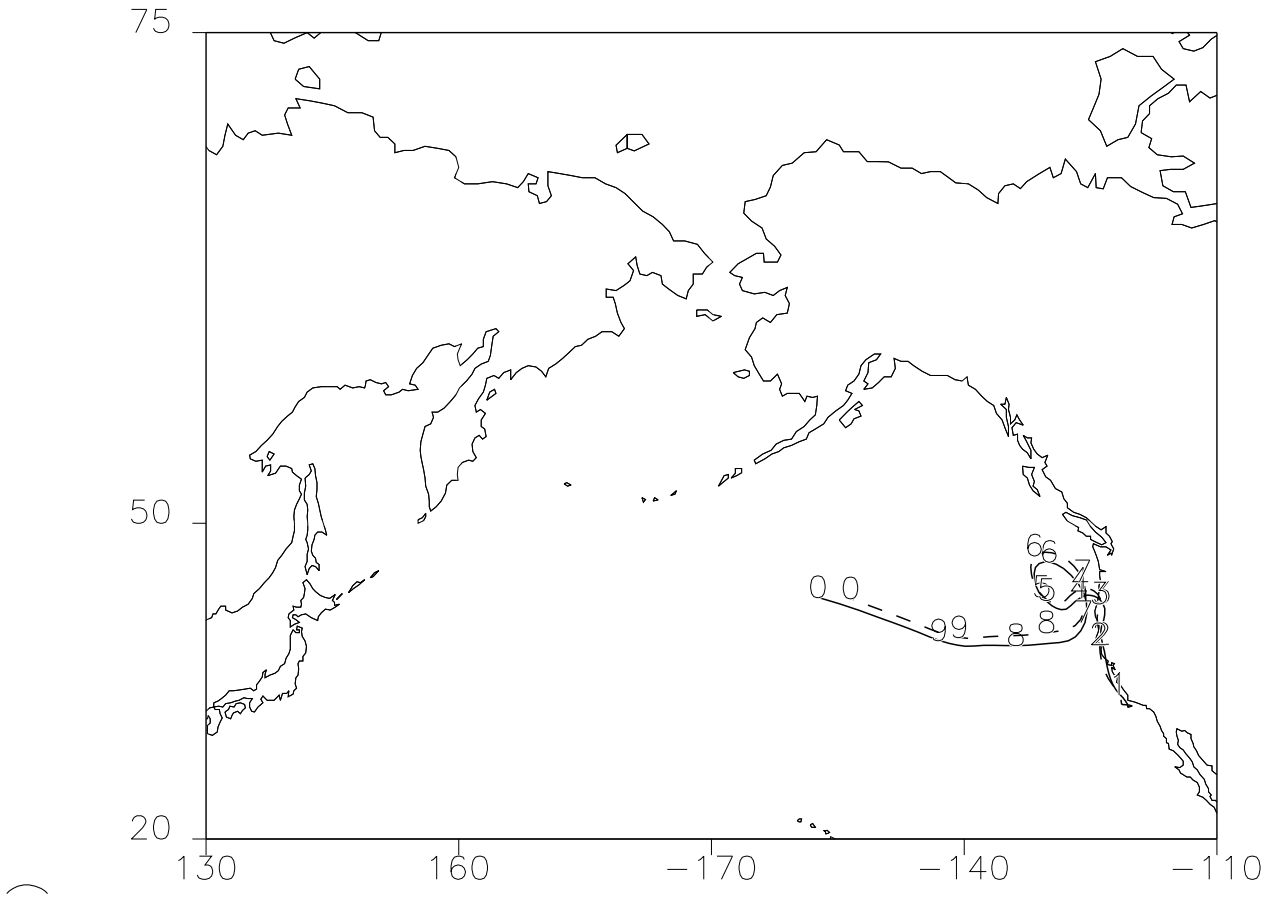
Day	km	hPa	C
0	0.3	977	13
1	0.2	991	14
2	0.7	935	7
3	1.5	852	0
4	1.4	855	1
5	2.3	763	−4
6	2.0	789	−1
7	1.4	863	7
8	1.2	885	7
9	1.5	854	6
10	2.3	758	−5

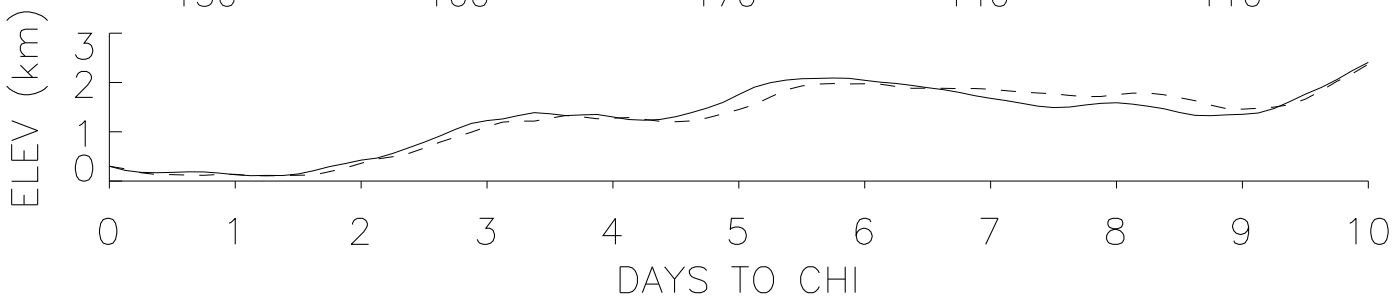
18UT

Day	km	hPa	C
0	0.3	980	16
1	0.1	996	19
2	0.5	959	14
3	1.4	860	1
4	1.3	866	1
5	2.1	776	−3
6	2.2	772	−3
7	1.5	847	6
8	1.3	880	7
9	1.3	876	6
10	2.2	778	−3

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/26/2002 (Day of Year 146)
NCEP/NCAR Reanalysis 1 Data Set





00UT

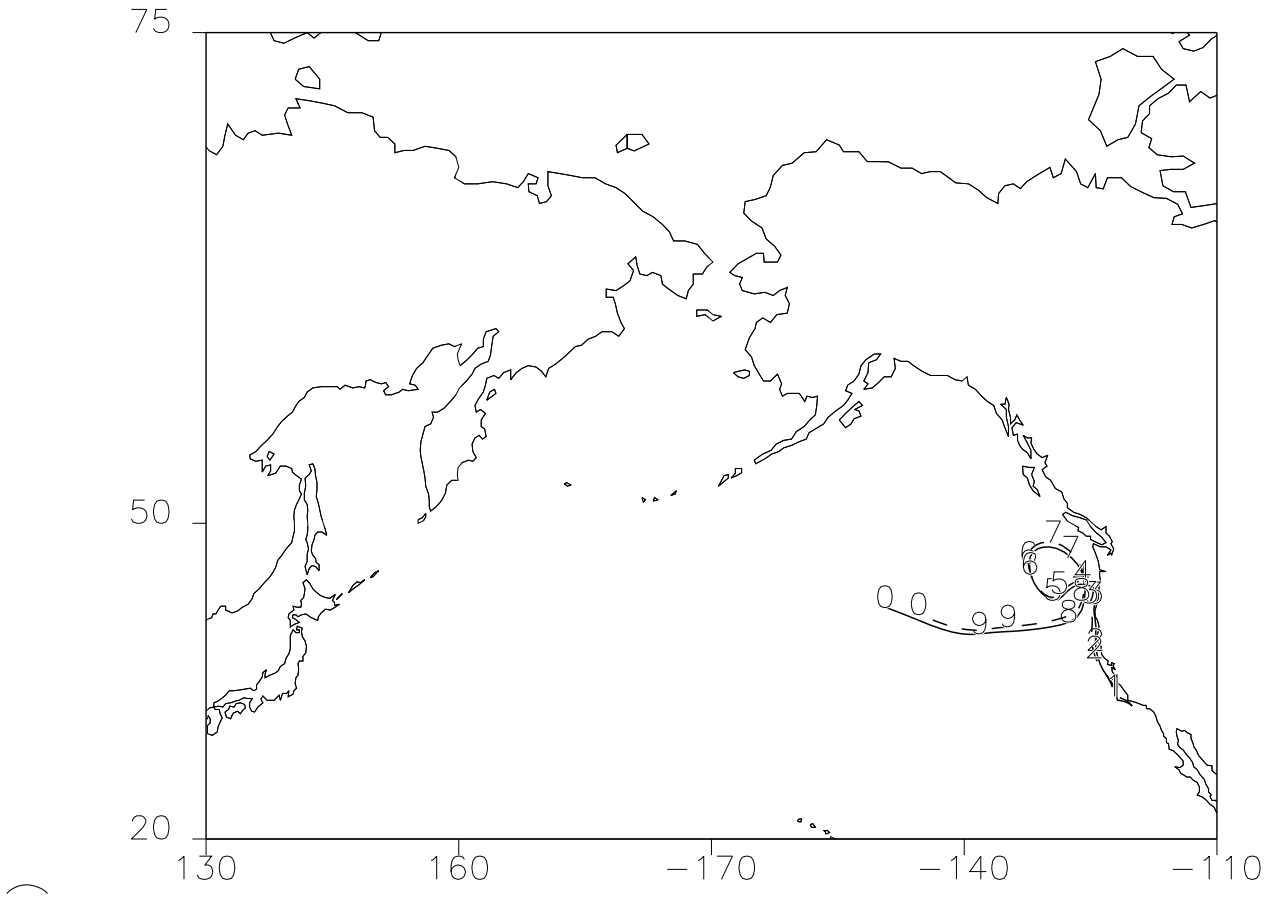
Day	km	hPa	C
0	0.3	978	17
1	0.1	997	19
2	0.4	966	18
3	1.2	881	5
4	1.3	871	1
5	1.8	816	0
6	2.0	784	−2
7	1.7	825	3
8	1.6	842	6
9	1.4	870	6
10	2.4	754	−5

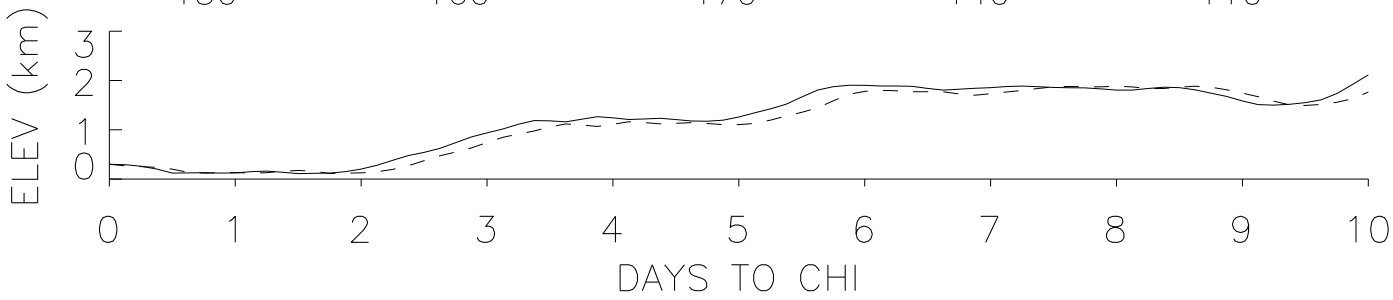
06UT

Day	km	hPa	C
0	0.3	979	14
1	0.1	997	15
2	0.4	973	13
3	1.1	895	4
4	1.3	874	1
5	1.5	849	1
6	2.0	792	−3
7	1.9	805	0
8	1.8	822	3
9	1.5	858	7
10	2.4	760	−3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/26/2002 (Day of Year 146)
NCEP/NCAR Reanalysis 1 Data Set





12UT

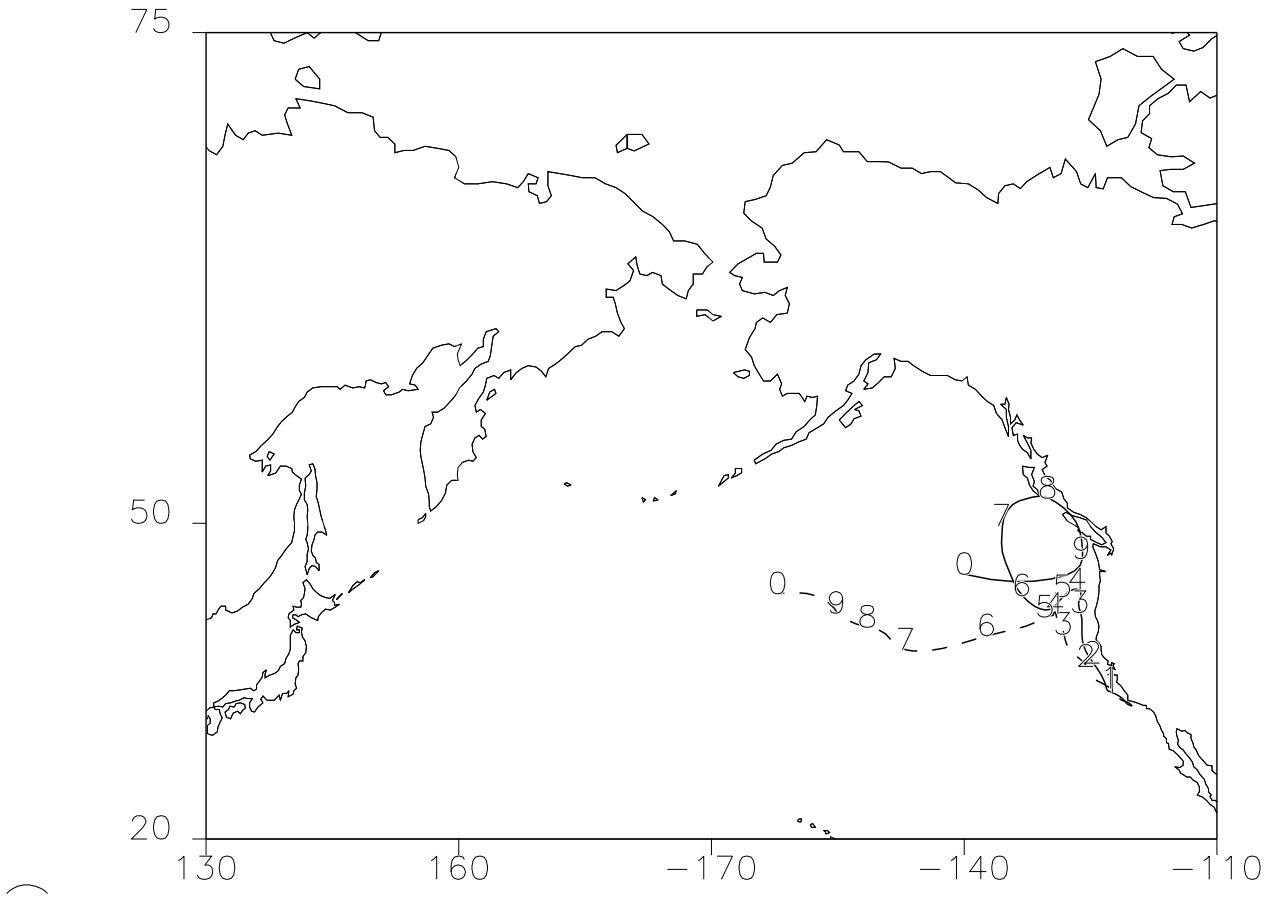
Day	km	hPa	C
0	0.3	978	12
1	0.1	999	13
2	0.2	991	11
3	0.9	913	5
4	1.2	878	2
5	1.3	872	2
6	1.9	799	−2
7	1.9	805	−1
8	1.8	813	2
9	1.6	844	5
10	2.1	788	0

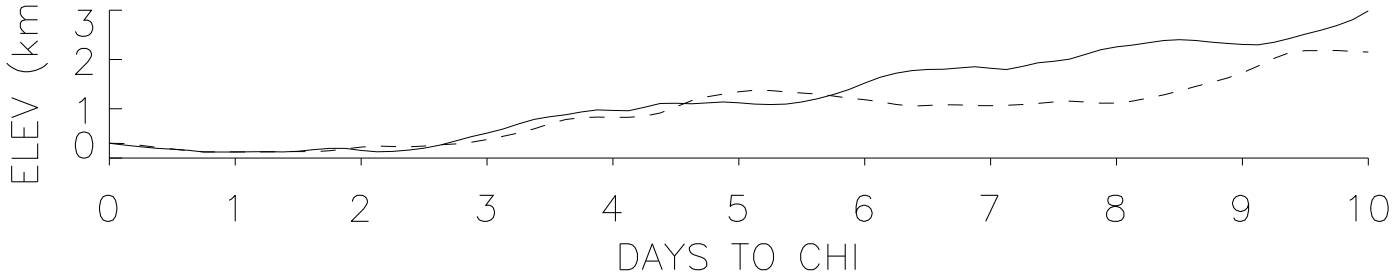
18UT

Day	km	hPa	C
0	0.3	979	16
1	0.1	1000	15
2	0.1	1000	16
3	0.7	935	8
4	1.1	893	3
5	1.1	890	2
6	1.8	811	−1
7	1.7	818	−1
8	1.9	804	−1
9	1.7	826	3
10	1.8	824	4

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/27/2002 (Day of Year 147)
NCEP/NCAR Reanalysis 1 Data Set





00UT

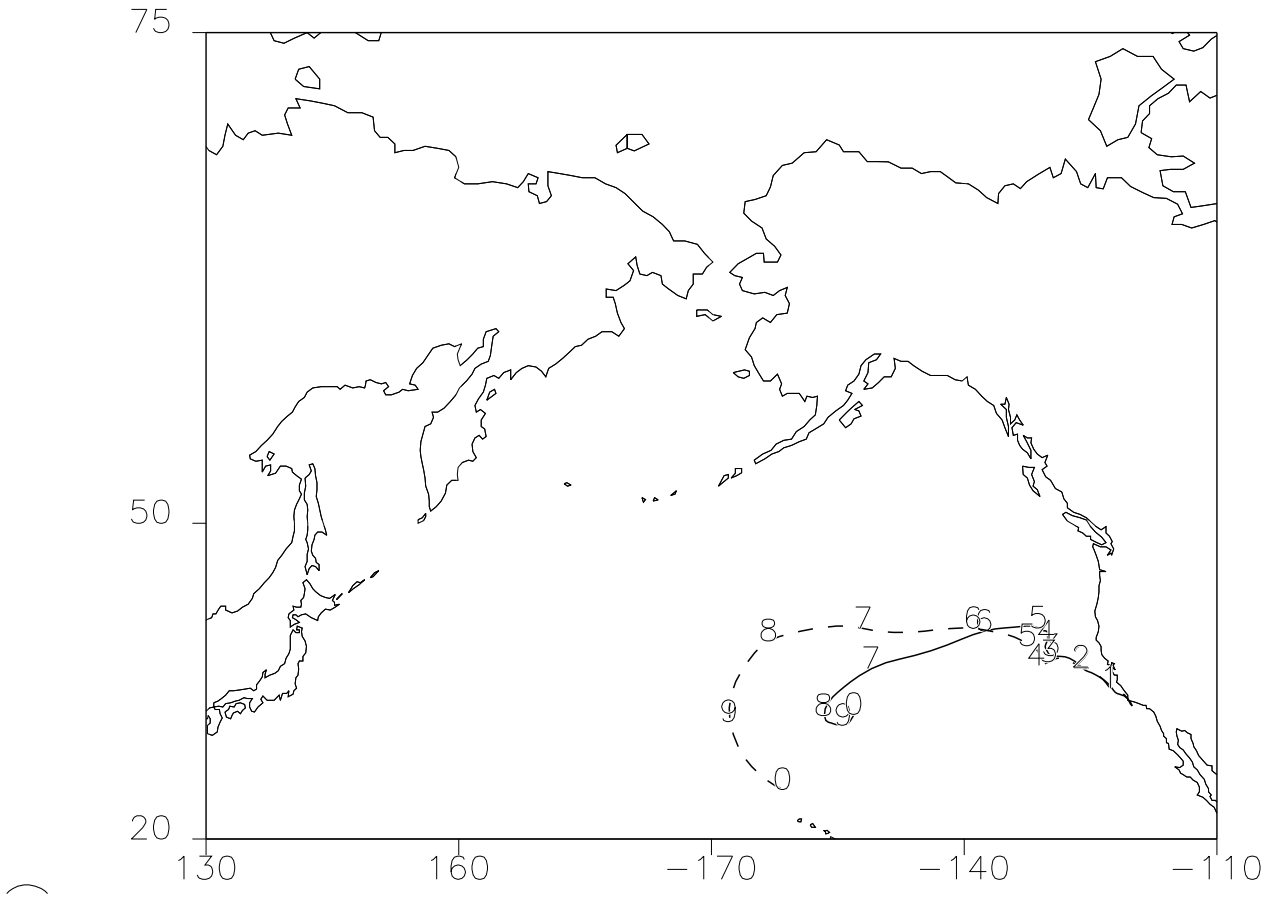
Day	km	hPa	C
0	0.3	978	16
1	0.1	1000	15
2	0.2	996	17
3	0.5	961	12
4	1.0	911	4
5	1.1	890	2
6	1.5	841	1
7	1.8	810	−2
8	2.3	768	−4
9	2.3	766	−3
10	3.0	698	−8

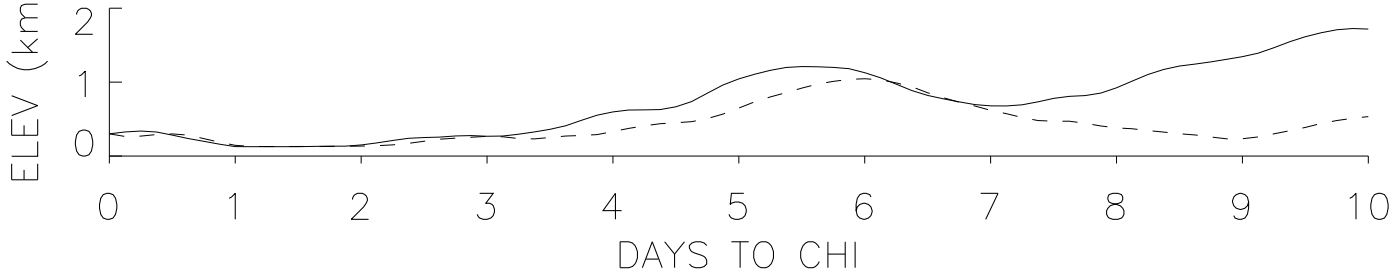
06UT

Day	km	hPa	C
0	0.3	979	14
1	0.1	1000	13
2	0.2	989	13
3	0.4	975	11
4	0.8	926	8
5	1.3	866	3
6	1.2	881	5
7	1.1	899	6
8	1.1	897	7
9	1.7	836	6
10	2.1	790	3

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/27/2002 (Day of Year 147)
NCEP/NCAR Reanalysis 1 Data Set





12UT

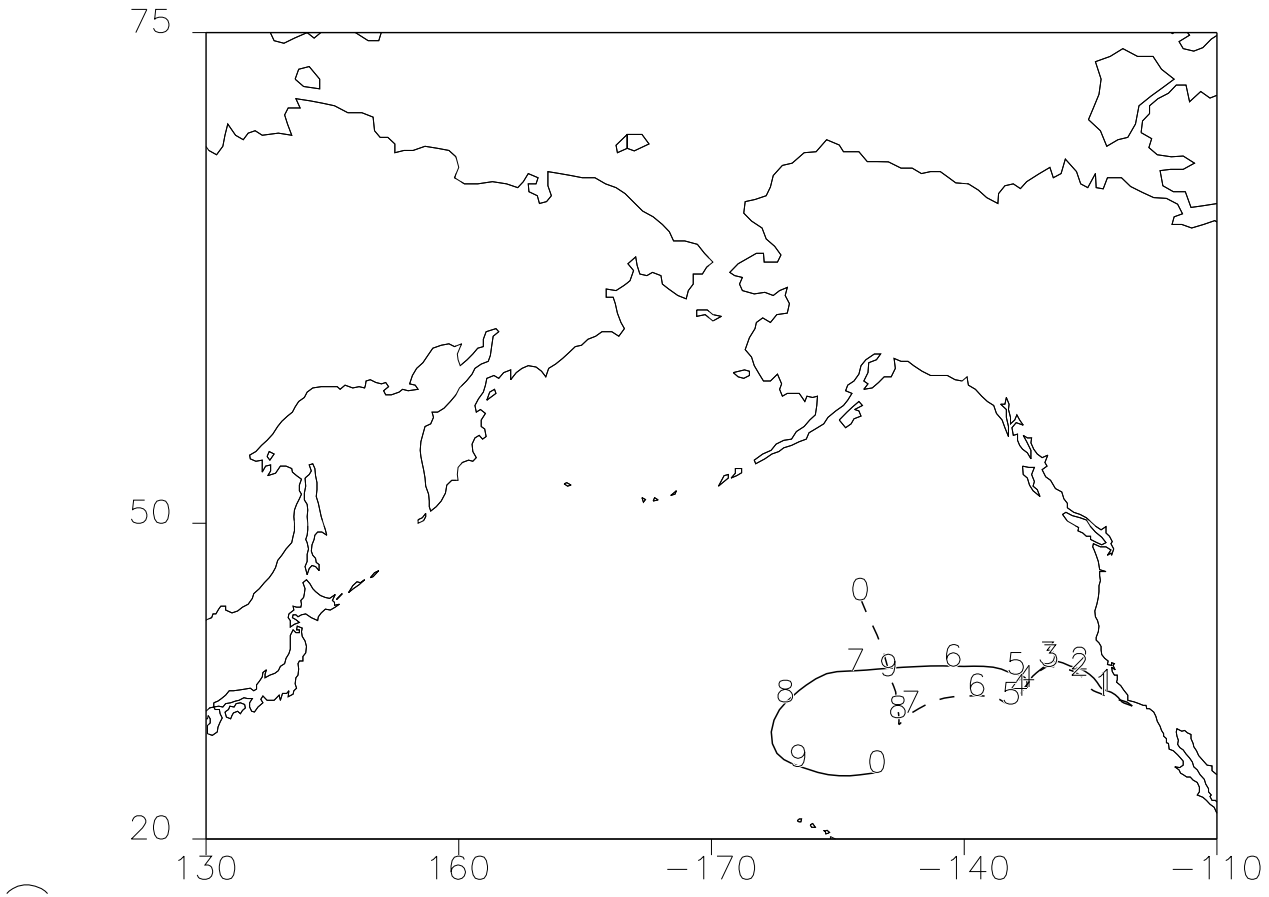
Day	km	hPa	C
0	0.3	979	12
1	0.1	1000	12
2	0.2	997	13
3	0.3	986	12
4	0.6	952	11
5	1.0	901	7
6	1.1	886	8
7	0.7	942	13
8	0.9	920	14
9	1.3	877	13
10	1.7	839	9

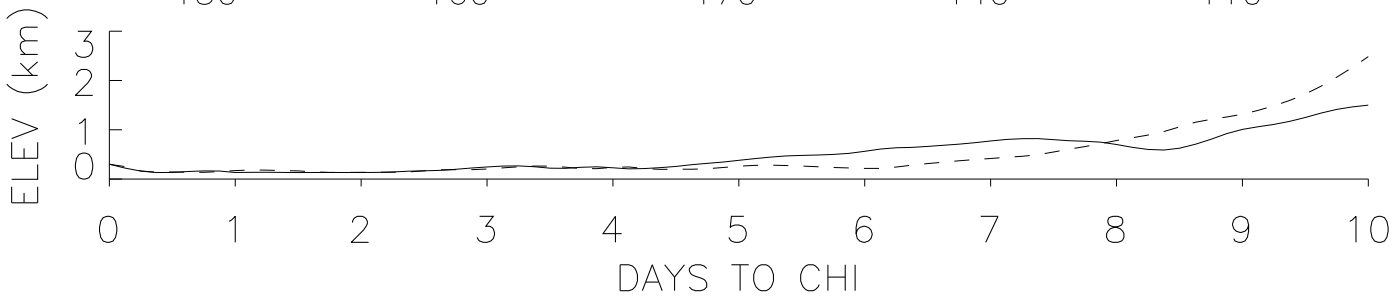
18UT

Day	km	hPa	C
0	0.3	980	17
1	0.1	999	15
2	0.1	1000	13
3	0.3	987	11
4	0.3	984	13
5	0.6	946	11
6	1.0	896	9
7	0.6	941	12
8	0.4	969	13
9	0.2	991	19
10	0.5	961	19

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/28/2002 (Day of Year 148)
NCEP/NCAR Reanalysis 1 Data Set





00UT

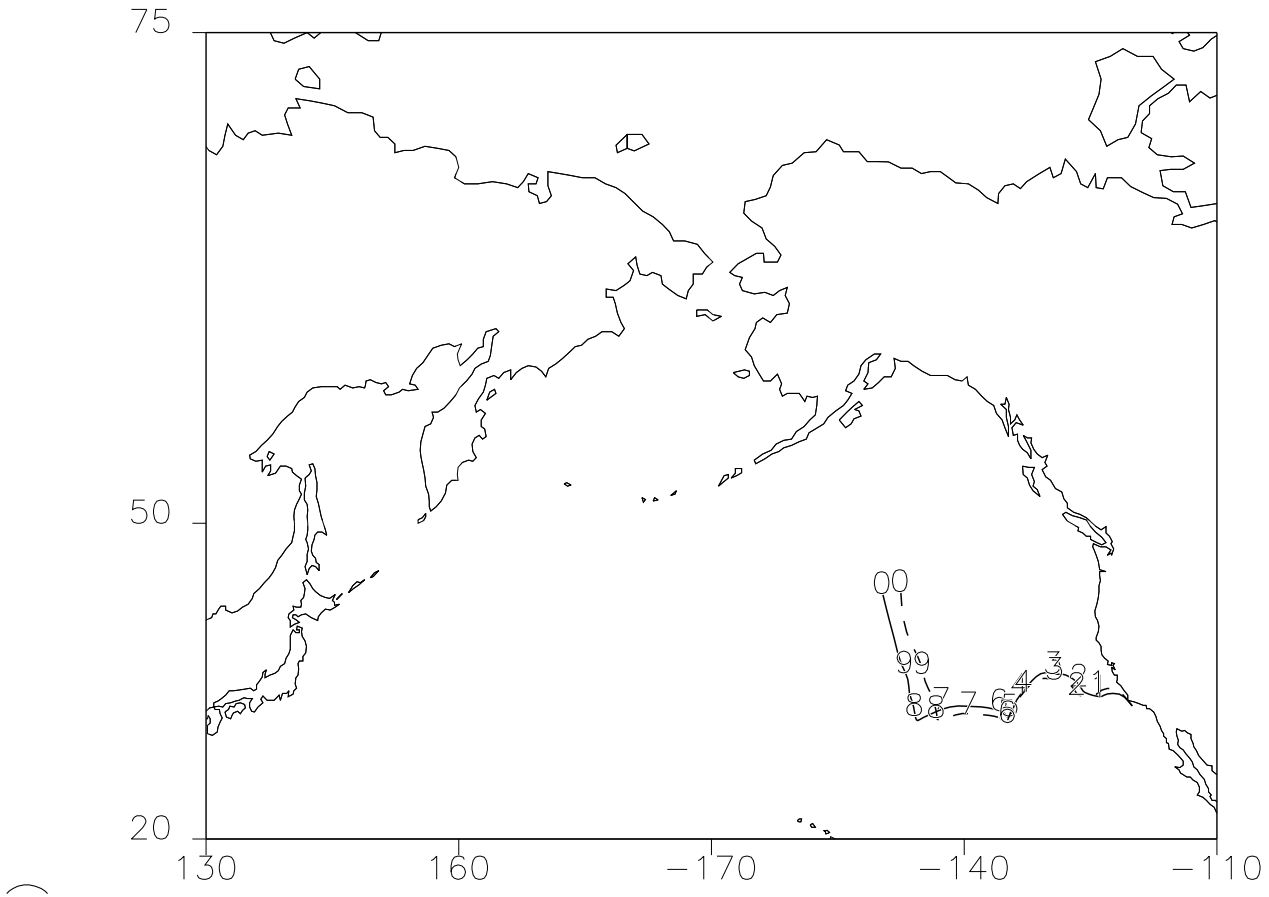
Day	km	hPa	C
0	0.3	979	17
1	0.1	1000	12
2	0.1	1000	13
3	0.2	988	11
4	0.2	996	13
5	0.4	979	14
6	0.6	955	13
7	0.8	929	13
8	0.7	940	15
9	1.0	911	14
10	1.5	859	15

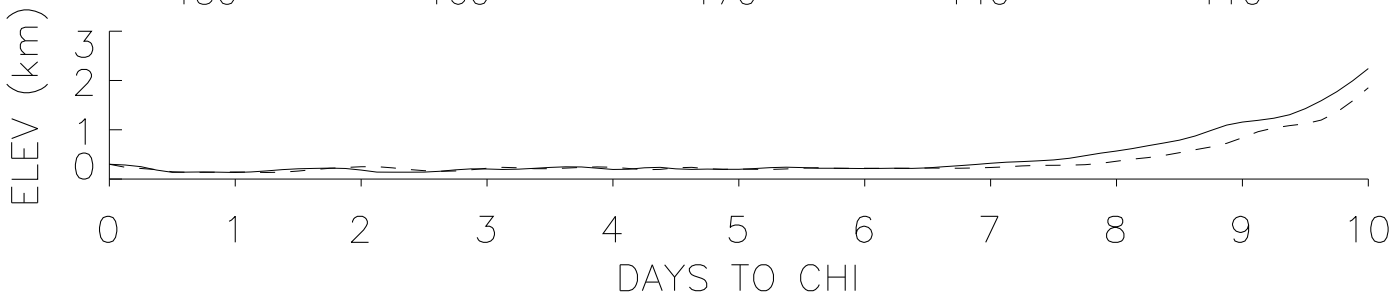
06UT

Day	km	hPa	C
0	0.3	980	15
1	0.2	996	12
2	0.1	1000	12
3	0.2	992	12
4	0.2	994	15
5	0.3	994	14
6	0.2	1000	15
7	0.4	974	15
8	0.8	934	11
9	1.3	876	9
10	2.5	759	1

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/28/2002 (Day of Year 148)
NCEP/NCAR Reanalysis 1 Data Set





12UT

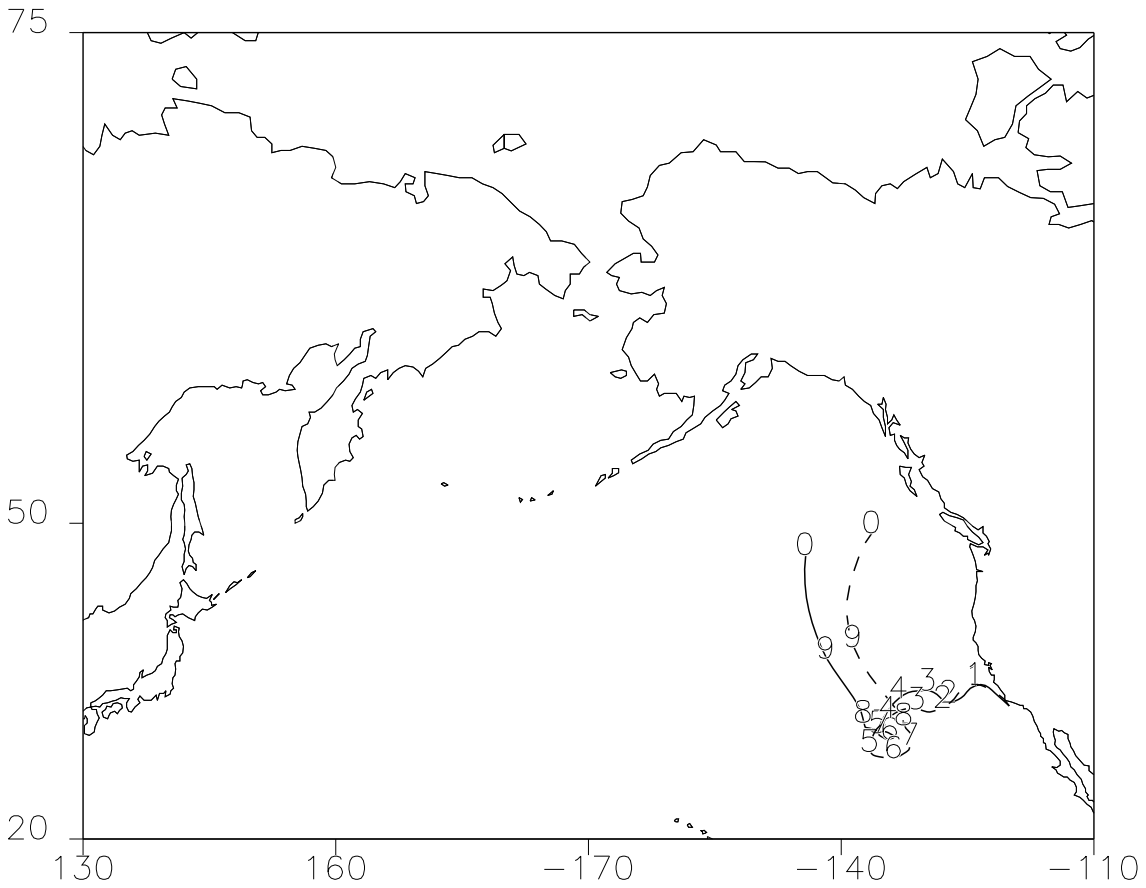
Day	km	hPa	C
0	0.3	979	13
1	0.1	1000	11
2	0.2	994	12
3	0.2	992	12
4	0.2	995	15
5	0.2	1000	15
6	0.2	1000	15
7	0.3	986	15
8	0.6	957	12
9	1.2	892	8
10	2.2	780	1

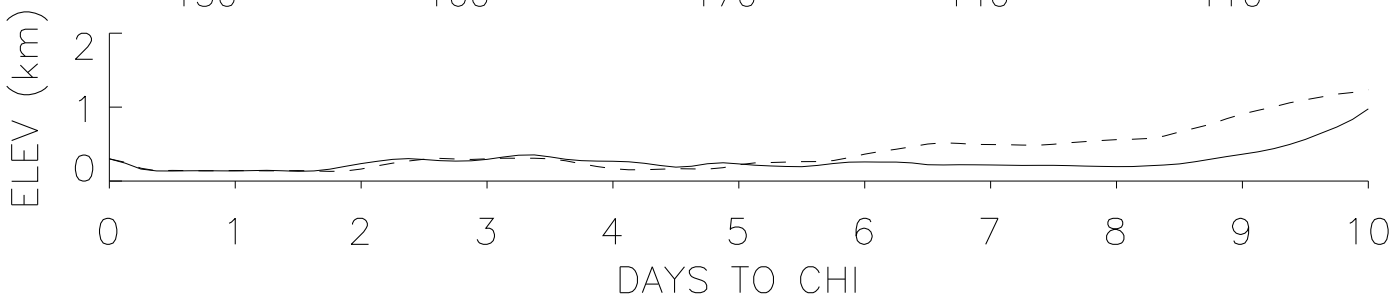
18UT

Day	km	hPa	C
0	0.3	981	19
1	0.1	1000	13
2	0.3	987	12
3	0.2	991	12
4	0.2	991	14
5	0.2	1000	15
6	0.2	1000	15
7	0.2	997	15
8	0.4	981	13
9	0.8	926	6
10	1.9	817	1

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/29/2002 (Day of Year 149)
NCEP/NCAR Reanalysis 1 Data Set





00UT

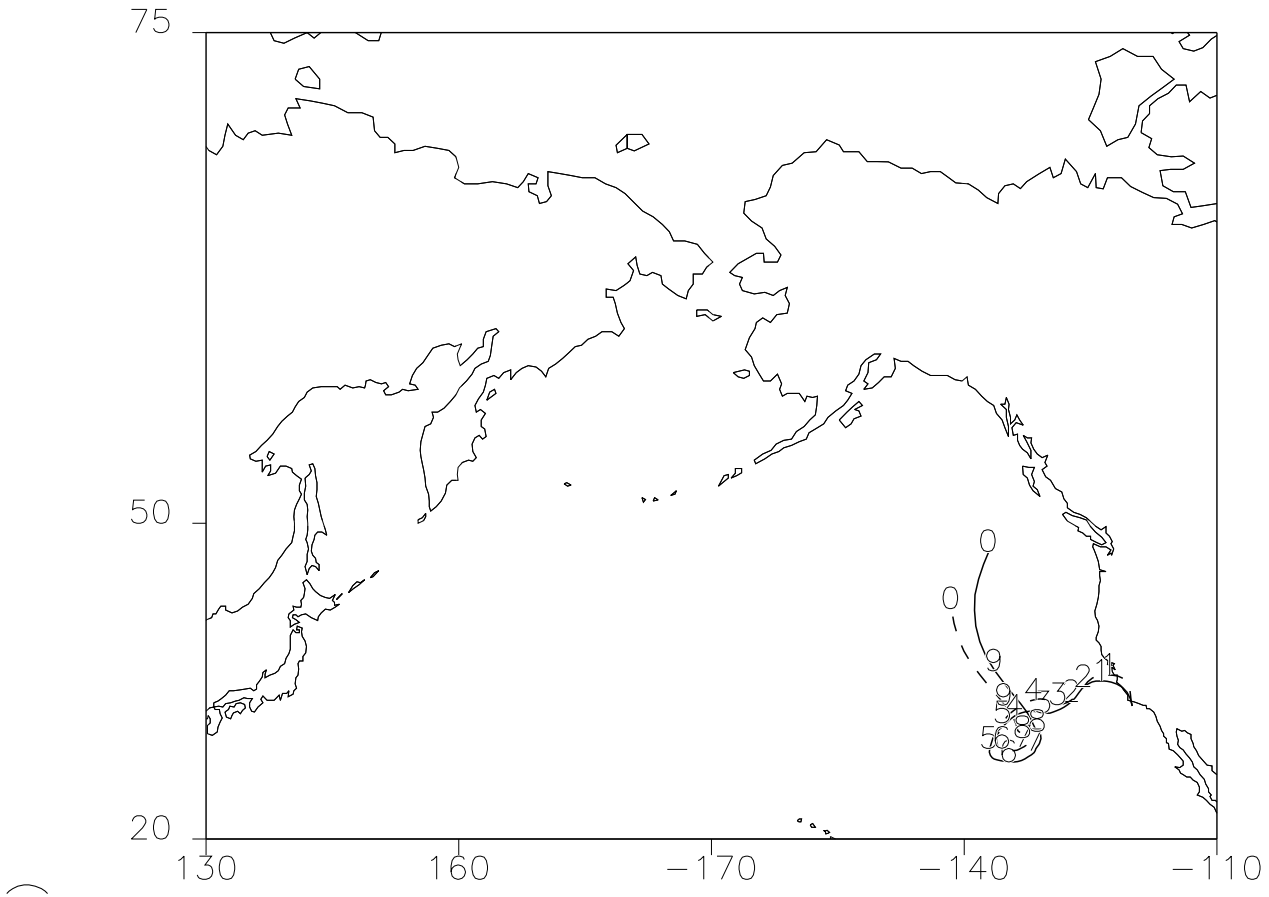
Day	km	hPa	C
0	0.3	979	19
1	0.1	1000	14
2	0.2	989	11
3	0.3	982	12
4	0.3	986	15
5	0.2	995	15
6	0.3	995	14
7	0.2	1000	15
8	0.2	1000	14
9	0.4	977	9
10	1.0	908	4

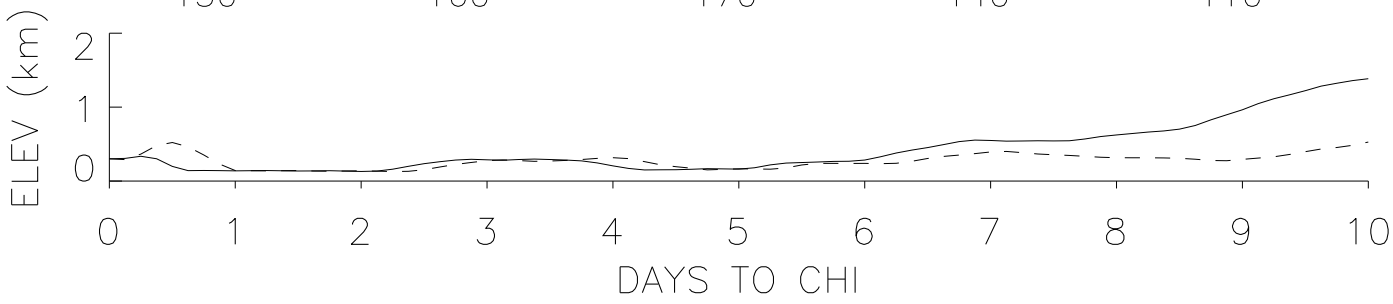
06UT

Day	km	hPa	C
0	0.3	979	17
1	0.1	1000	13
2	0.2	997	14
3	0.3	982	14
4	0.2	998	16
5	0.2	997	16
6	0.4	982	14
7	0.5	967	13
8	0.6	958	10
9	0.9	910	5
10	1.2	872	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/29/2002 (Day of Year 149)
NCEP/NCAR Reanalysis 1 Data Set





12UT

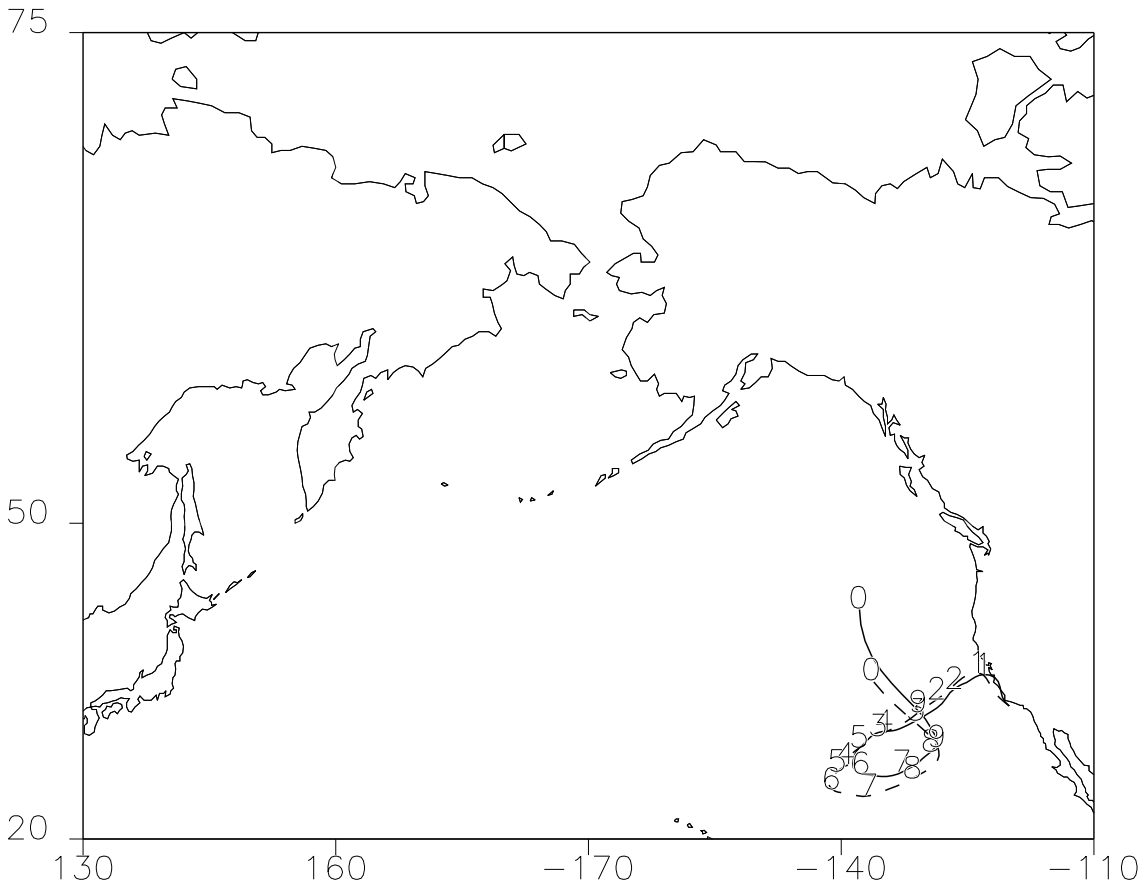
Day	km	hPa	C
0	0.3	978	16
1	0.1	1000	13
2	0.1	1000	13
3	0.3	983	15
4	0.2	993	16
5	0.2	1000	17
6	0.3	989	15
7	0.5	960	12
8	0.6	951	10
9	1.0	905	5
10	1.4	855	−2

18UT

Day	km	hPa	C
0	0.3	978	22
1	0.1	1000	18
2	0.1	1000	13
3	0.3	984	13
4	0.3	980	14
5	0.2	1000	17
6	0.2	995	15
7	0.4	979	13
8	0.3	987	14
9	0.3	987	12
10	0.5	956	6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/30/2002 (Day of Year 150)
NCEP/NCAR Reanalysis 1 Data Set

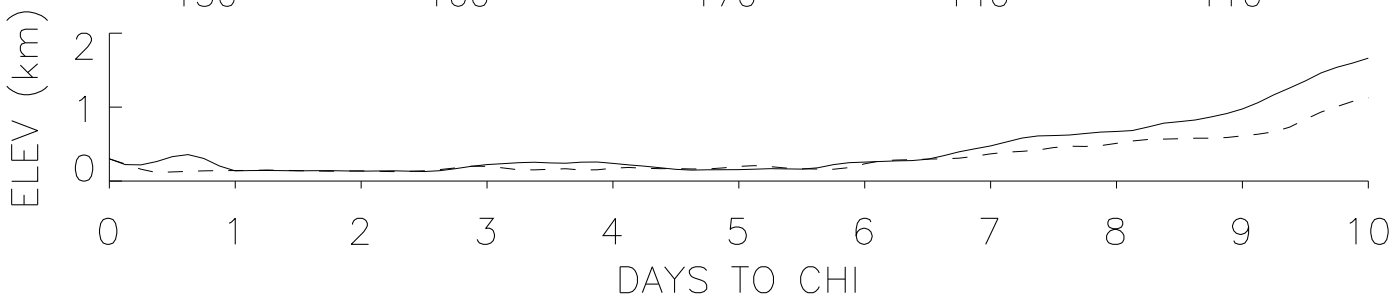


00UT

Day	km	hPa	C
0	0.3	976	24
1	0.1	1000	18
2	0.1	1000	13
3	0.2	991	15
4	0.2	989	16
5	0.2	1000	18
6	0.3	991	16
7	0.5	968	12
8	0.7	947	12
9	1.0	908	8
10	1.7	827	1

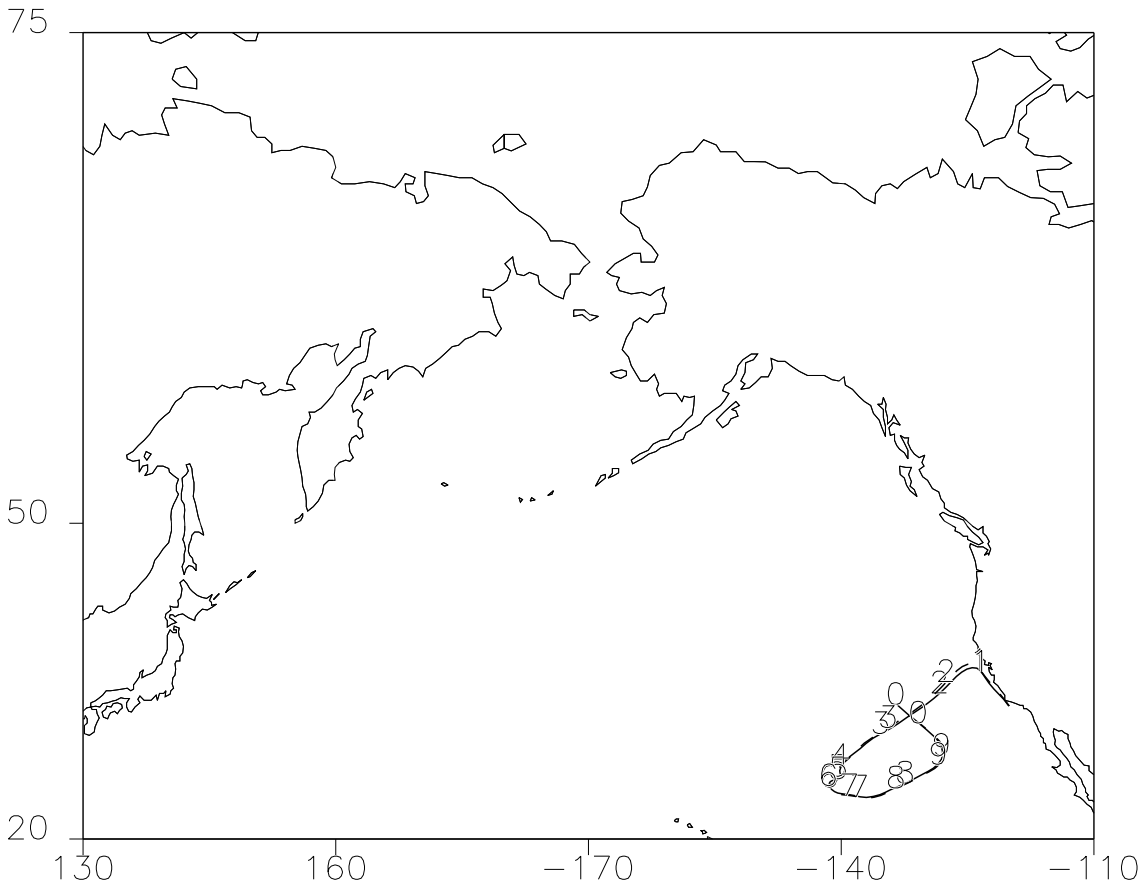
06UT

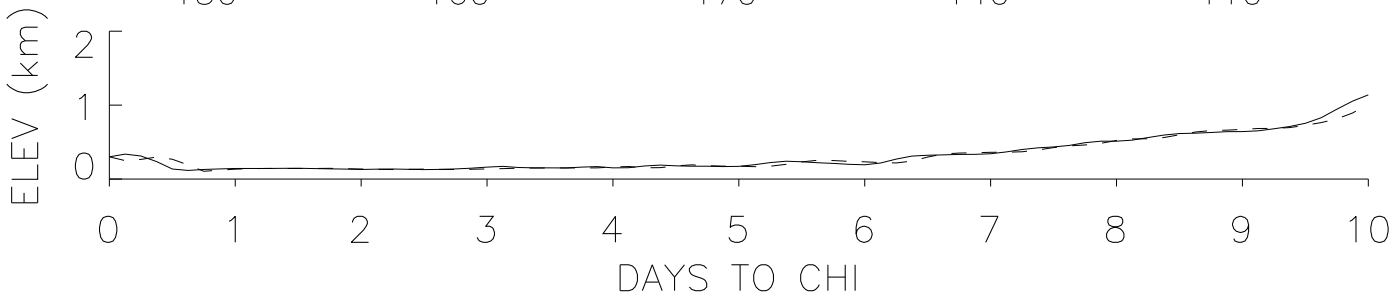
Day	km	hPa	C
0	0.3	976	20
1	0.1	1000	15
2	0.1	1000	15
3	0.2	994	17
4	0.2	998	19
5	0.2	995	19
6	0.2	994	18
7	0.4	979	15
8	0.5	965	13
9	0.6	952	11
10	1.1	886	6



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/30/2002 (Day of Year 150)
NCEP/NCAR Reanalysis 1 Data Set





12UT

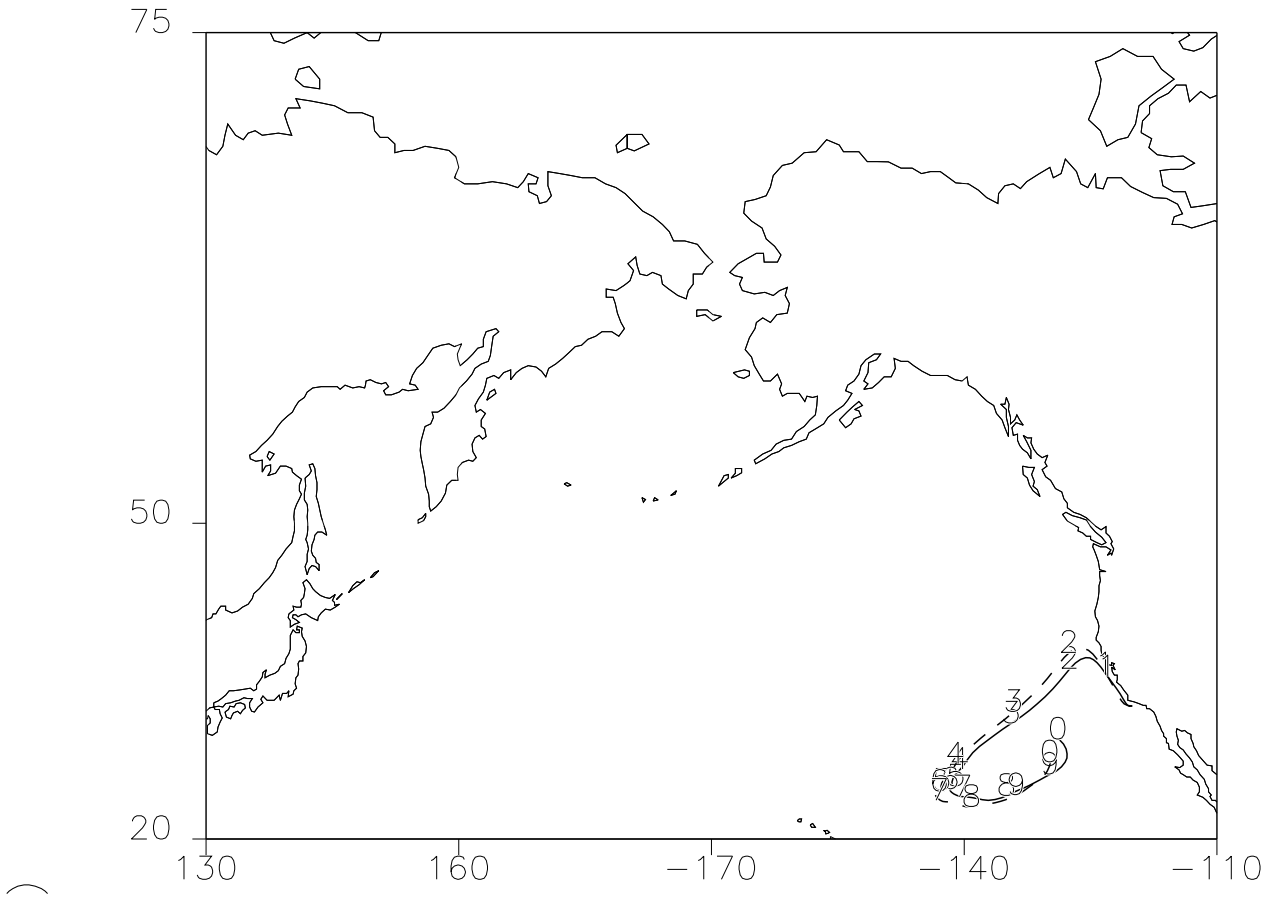
Day	km	hPa	C
0	0.3	975	21
1	0.1	1000	14
2	0.1	1000	15
3	0.2	997	17
4	0.2	999	19
5	0.2	997	19
6	0.2	996	18
7	0.3	981	16
8	0.5	963	12
9	0.6	947	11
10	1.1	886	6

18UT

Day	km	hPa	C
0	0.3	977	23
1	0.1	1000	19
2	0.1	1000	13
3	0.1	1000	17
4	0.2	999	19
5	0.2	998	19
6	0.2	992	19
7	0.4	979	16
8	0.5	963	12
9	0.7	945	11
10	1.0	903	8

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/31/2002 (Day of Year 151)
NCEP/NCAR Reanalysis 1 Data Set

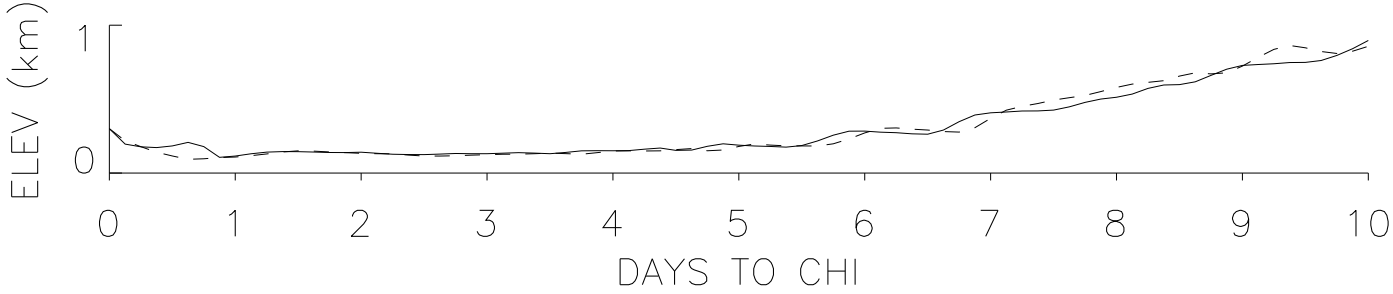


00UT

Day	km	hPa	C
0	0.3	976	22
1	0.1	1000	22
2	0.1	1000	13
3	0.1	1000	18
4	0.2	1000	20
5	0.2	995	19
6	0.3	985	19
7	0.4	973	16
8	0.5	963	13
9	0.7	939	12
10	0.9	917	10

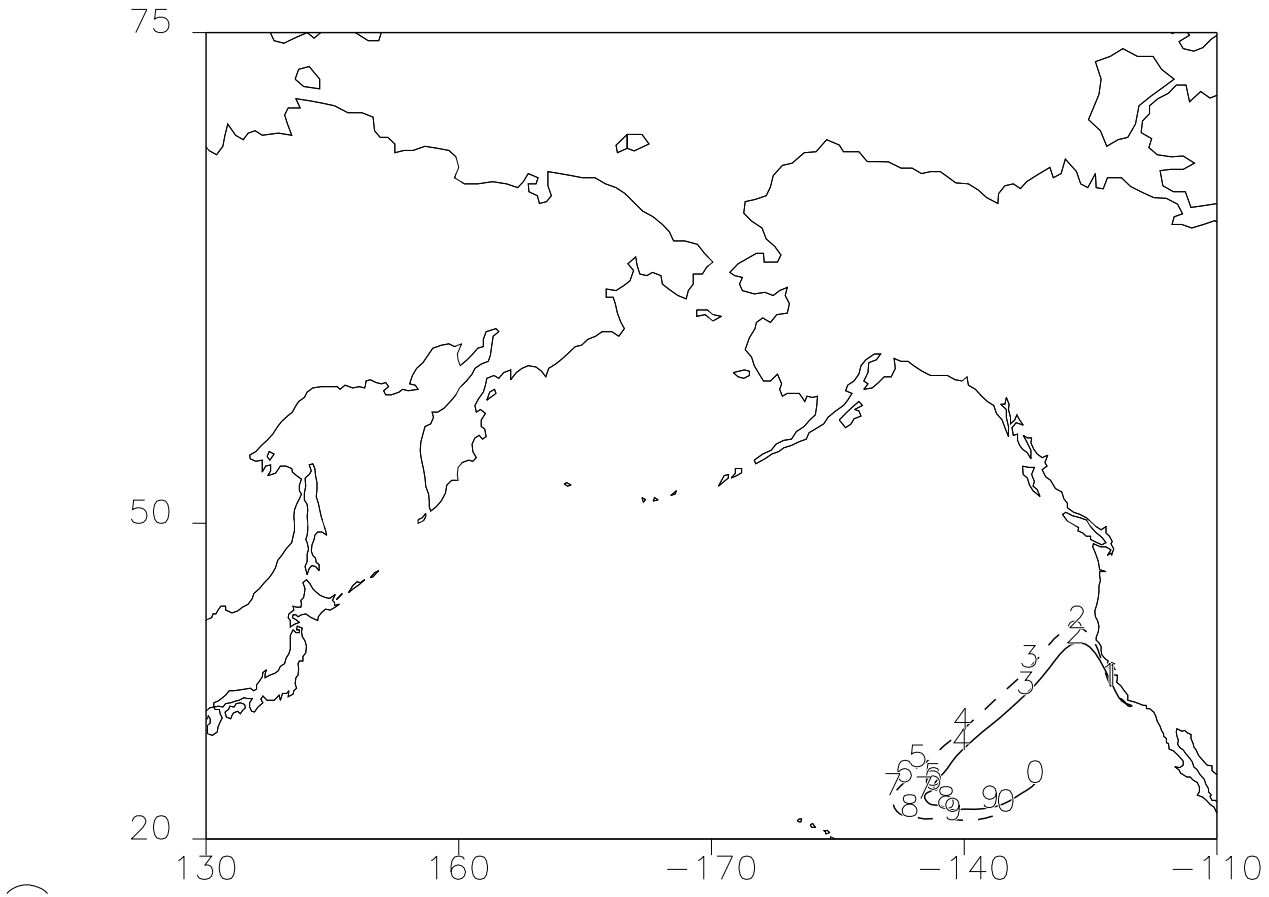
06UT

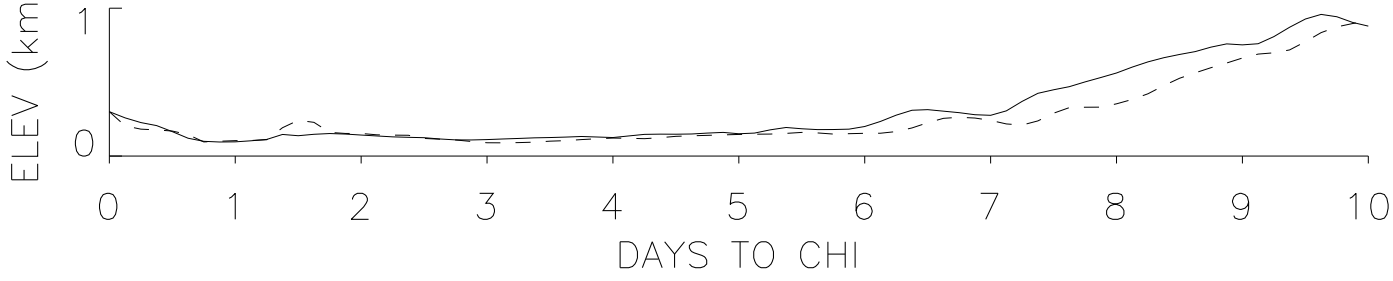
Day	km	hPa	C
0	0.3	978	18
1	0.1	1000	17
2	0.1	1000	12
3	0.1	1000	17
4	0.1	1000	20
5	0.2	998	20
6	0.3	986	20
7	0.4	977	18
8	0.6	954	14
9	0.7	940	12
10	0.9	925	9



00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/31/2002 (Day of Year 151)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	0.3	976	20
1	0.1	1000	19
2	0.1	1000	13
3	0.1	1000	17
4	0.1	1000	19
5	0.2	1000	20
6	0.2	994	19
7	0.3	986	19
8	0.6	954	15
9	0.8	935	11
10	0.9	921	11

18UT

Day	km	hPa	C
0	0.3	976	22
1	0.1	1000	19
2	0.2	1000	13
3	0.1	1000	15
4	0.1	1000	18
5	0.1	1000	20
6	0.2	1000	20
7	0.2	991	21
8	0.4	979	17
9	0.7	945	14
10	0.9	918	11

12UT – solid
18UT – dashed