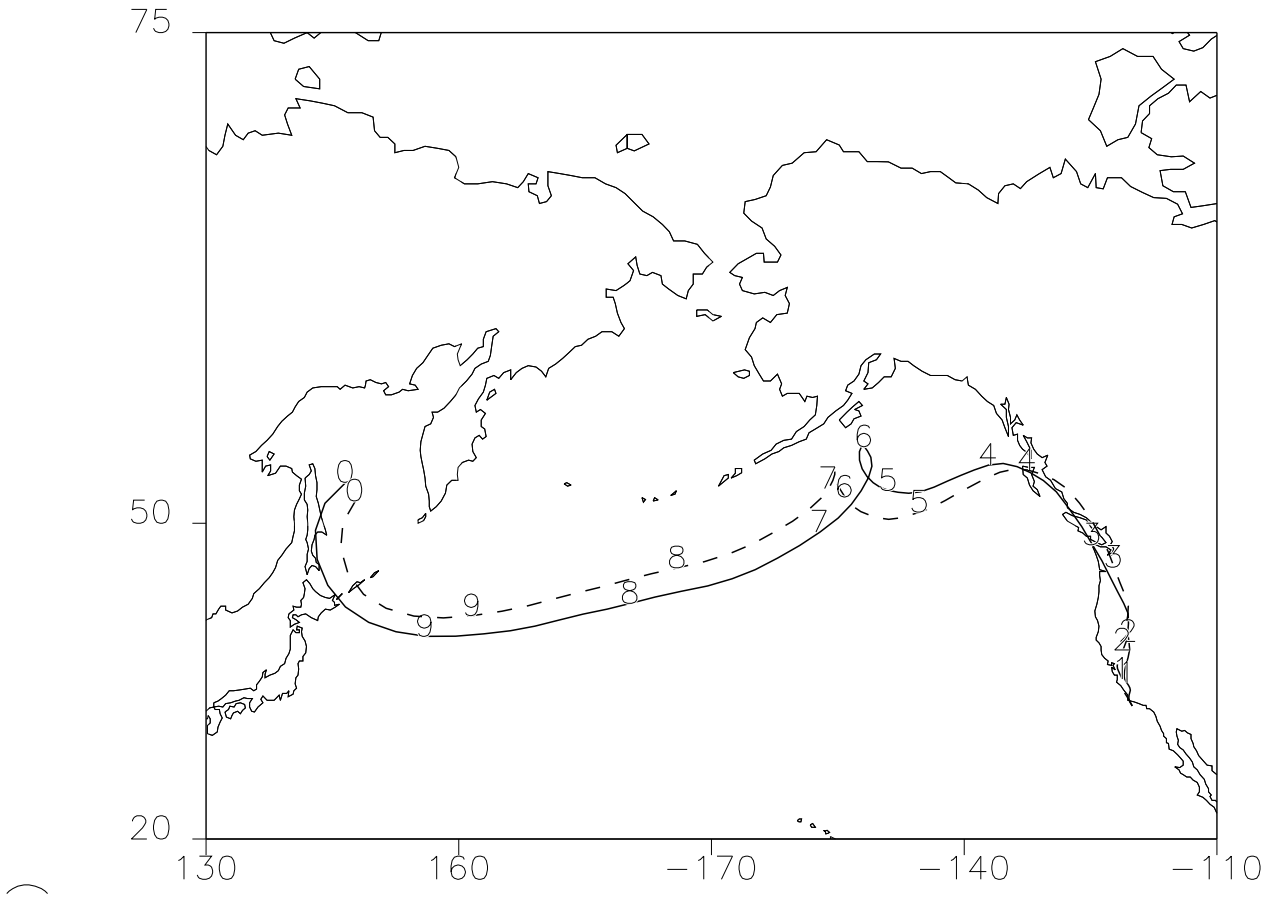
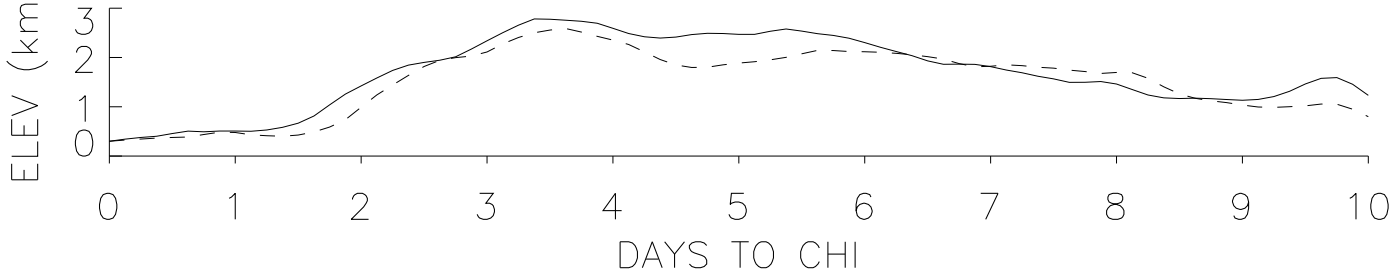
3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/1/2004 (Day of Year 122)
NCEP/NCAR Reanalysis 1 Data Set





00UT

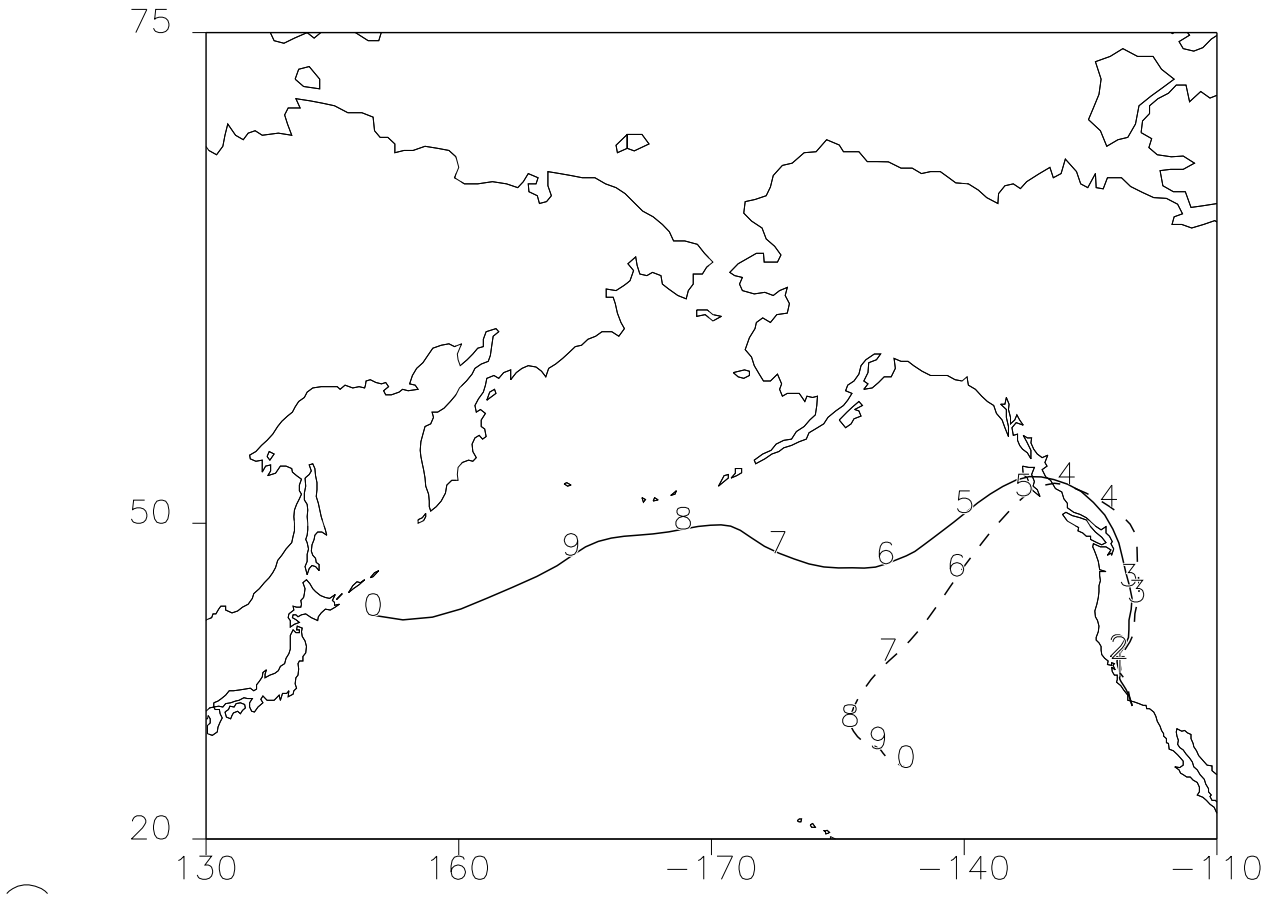
Day	km	hPa	C
0	0.3	982	19
1	0.5	953	17
2	1.4	853	11
3	2.3	762	−5
4	2.6	736	−10
5	2.5	737	−10
6	2.3	744	−9
7	1.8	799	−3
8	1.5	839	1
9	1.1	871	−2
10	1.2	849	−7

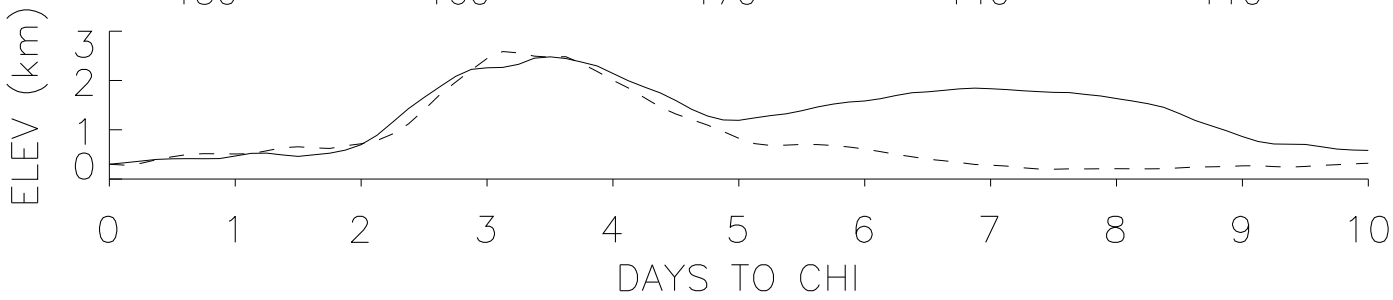
06UT

Day	km	hPa	C
0	0.3	983	16
1	0.5	960	14
2	1.0	899	10
3	2.1	783	−4
4	2.4	760	−9
5	1.9	801	−6
6	2.1	766	−8
7	1.8	791	−5
8	1.7	807	−2
9	1.0	876	−3
10	0.8	892	−4

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/1/2004 (Day of Year 122)
NCEP/NCAR Reanalysis 1 Data Set





12UT

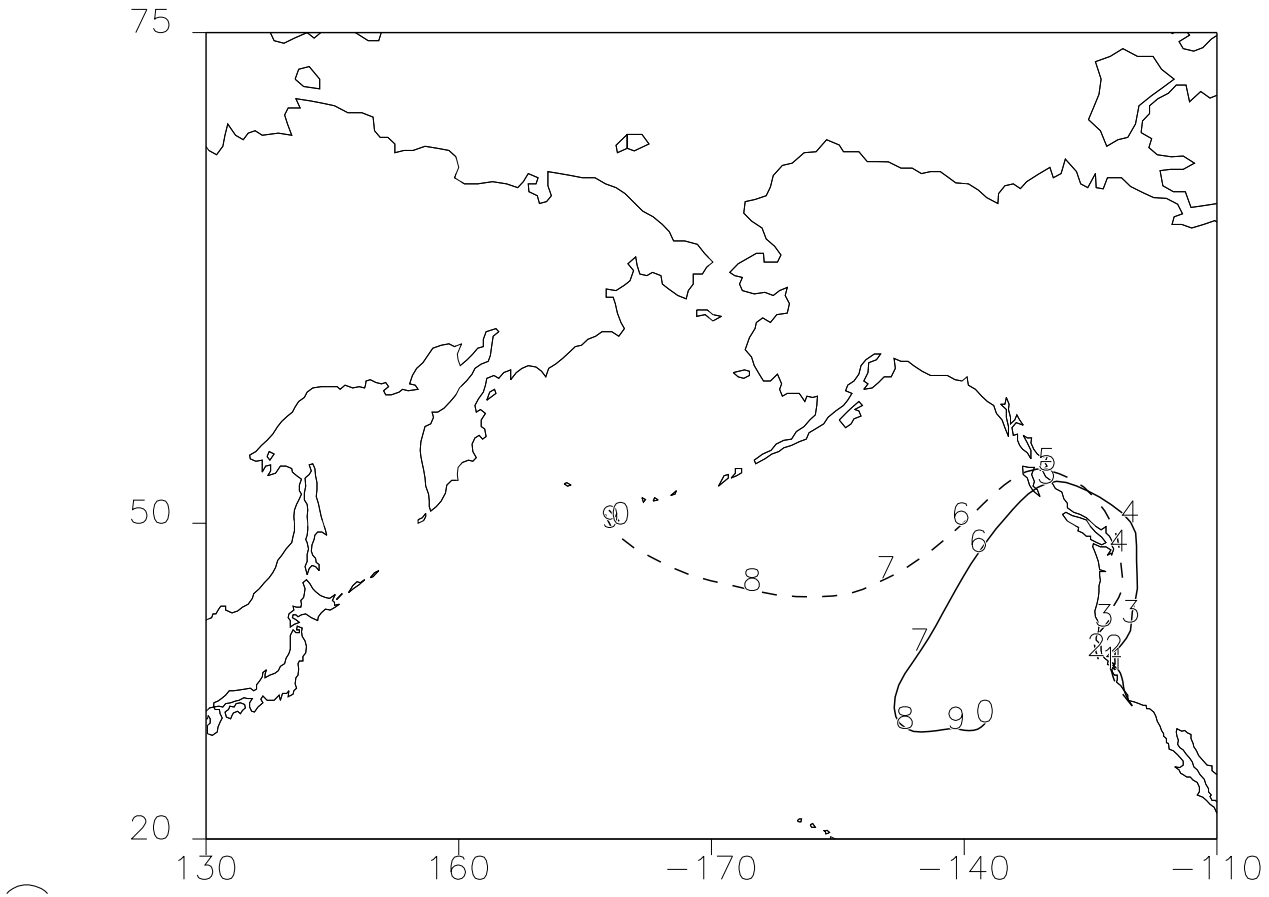
Day	km	hPa	C
0	0.3	983	14
1	0.5	963	11
2	0.7	932	10
3	2.3	768	−5
4	2.1	780	−7
5	1.2	879	−1
6	1.6	827	−4
7	1.8	794	−7
8	1.6	807	−4
9	0.9	891	0
10	0.6	923	−1

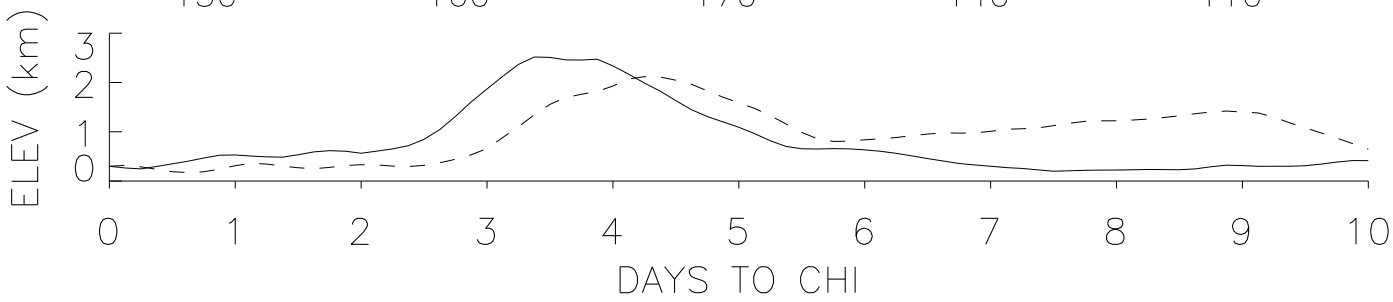
18UT

Day	km	hPa	C
0	0.3	985	21
1	0.5	961	17
2	0.7	931	14
3	2.4	753	−5
4	2.0	790	−4
5	0.8	925	3
6	0.6	942	7
7	0.3	986	14
8	0.2	1000	19
9	0.3	994	19
10	0.3	988	17

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/2/2004 (Day of Year 123)
NCEP/NCAR Reanalysis 1 Data Set





00UT

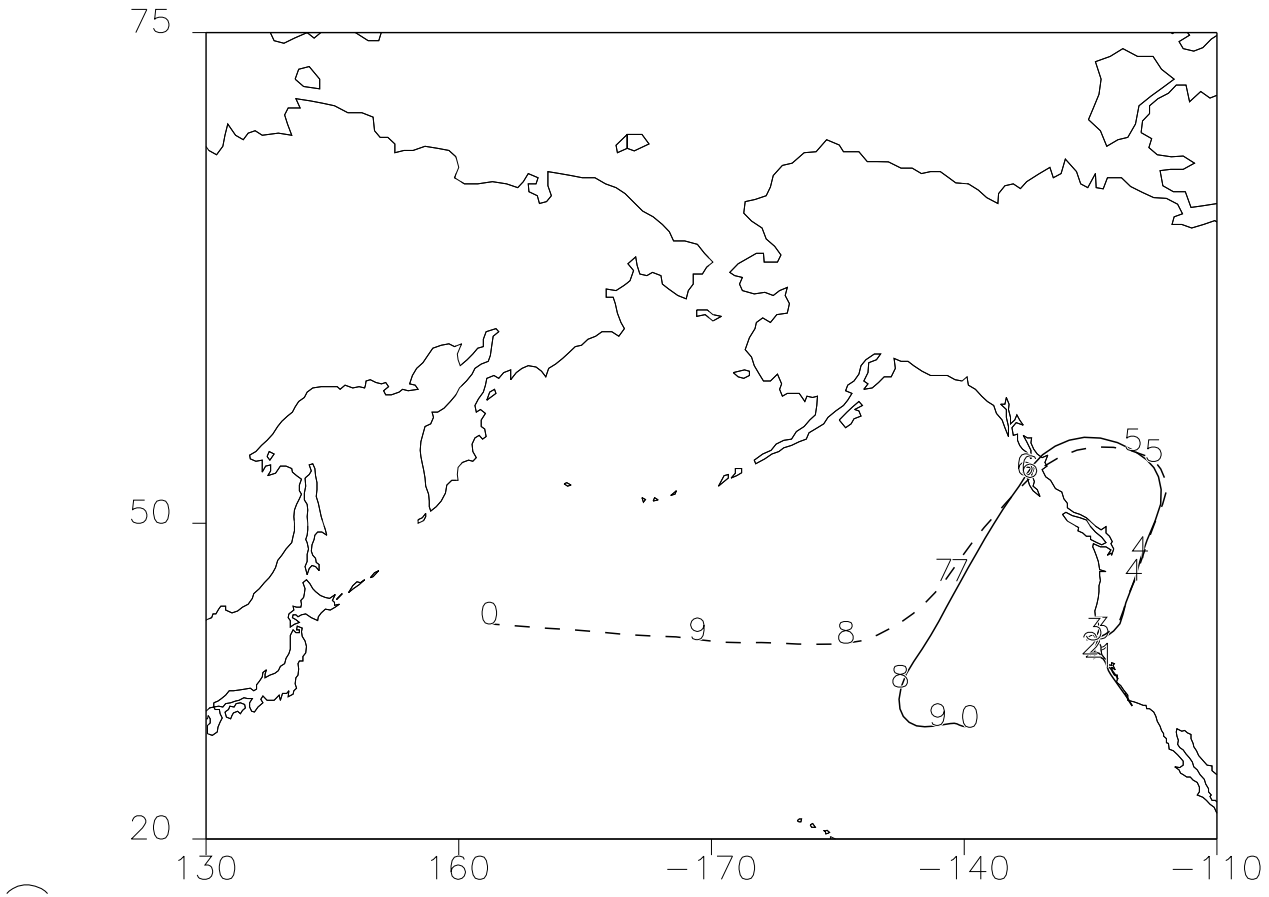
Day	km	hPa	C
0	0.3	982	22
1	0.5	957	20
2	0.6	948	18
3	1.9	810	4
4	2.3	756	−6
5	1.1	895	4
6	0.6	942	7
7	0.3	983	14
8	0.2	1000	18
9	0.3	990	17
10	0.4	977	14

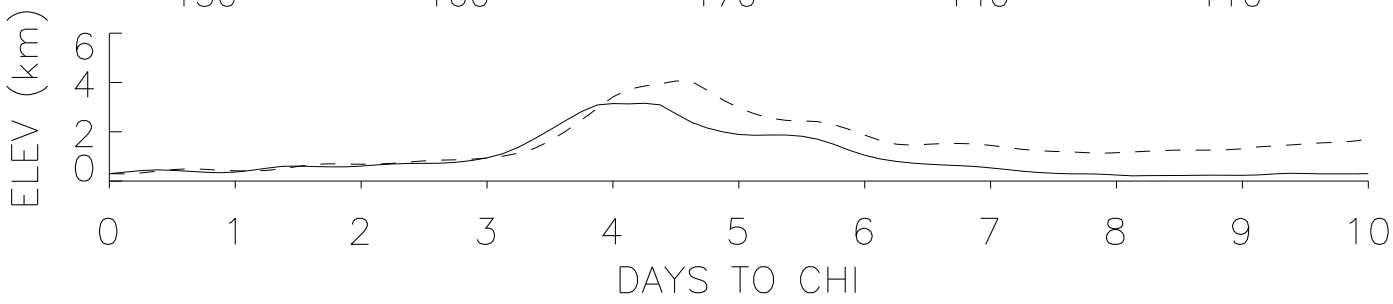
06UT

Day	km	hPa	C
0	0.3	983	20
1	0.3	983	16
2	0.3	976	15
3	0.7	937	12
4	1.9	800	−4
5	1.6	838	−4
6	0.8	918	2
7	1.0	889	1
8	1.2	863	0
9	1.4	830	−2
10	0.6	918	0

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/2/2004 (Day of Year 123)
NCEP/NCAR Reanalysis 1 Data Set





12UT

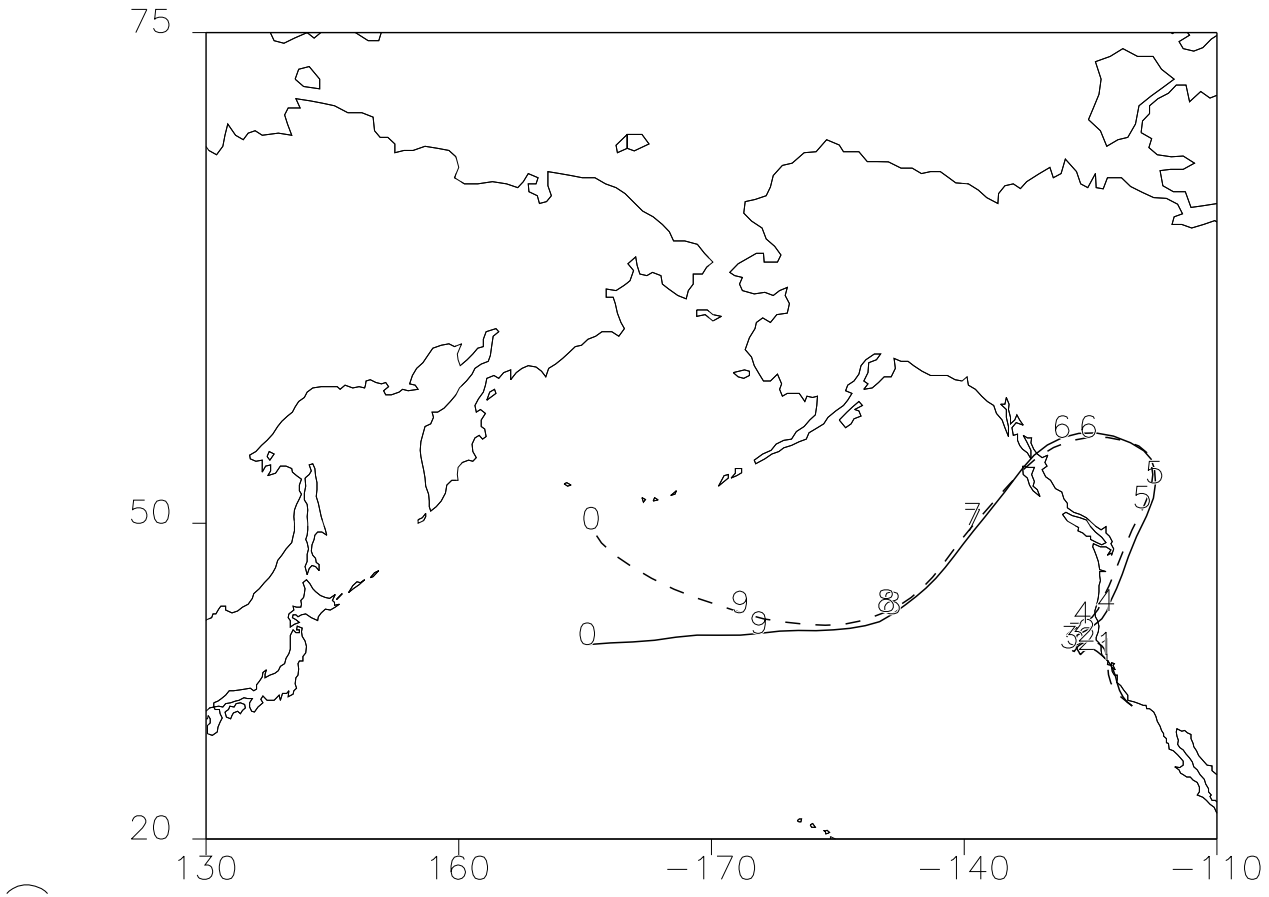
Day	km	hPa	C
0	0.3	982	19
1	0.4	977	14
2	0.6	947	14
3	0.9	906	10
4	3.1	684	−13
5	1.9	801	−1
6	1.0	898	3
7	0.5	950	8
8	0.2	994	17
9	0.2	1000	18
10	0.3	990	16

18UT

Day	km	hPa	C
0	0.3	982	24
1	0.4	973	19
2	0.7	941	15
3	0.9	907	13
4	3.4	666	−11
5	3.0	695	−9
6	1.9	812	−2
7	1.4	849	2
8	1.2	884	4
9	1.3	864	4
10	1.7	815	−2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/3/2004 (Day of Year 124)
NCEP/NCAR Reanalysis 1 Data Set

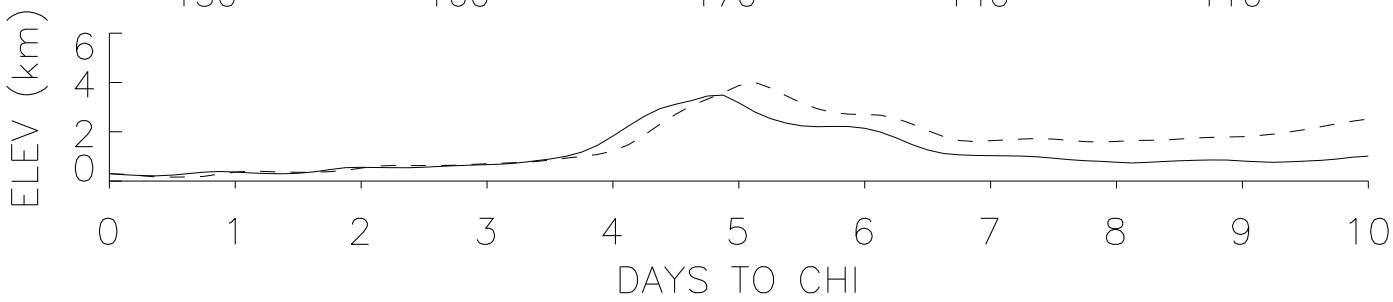


00UT

Day	km	hPa	C
0	0.3	979	26
1	0.4	978	21
2	0.6	955	16
3	0.7	938	14
4	1.8	817	6
5	3.2	677	−12
6	2.1	782	−4
7	1.0	895	4
8	0.8	923	7
9	0.8	918	7
10	1.0	895	6

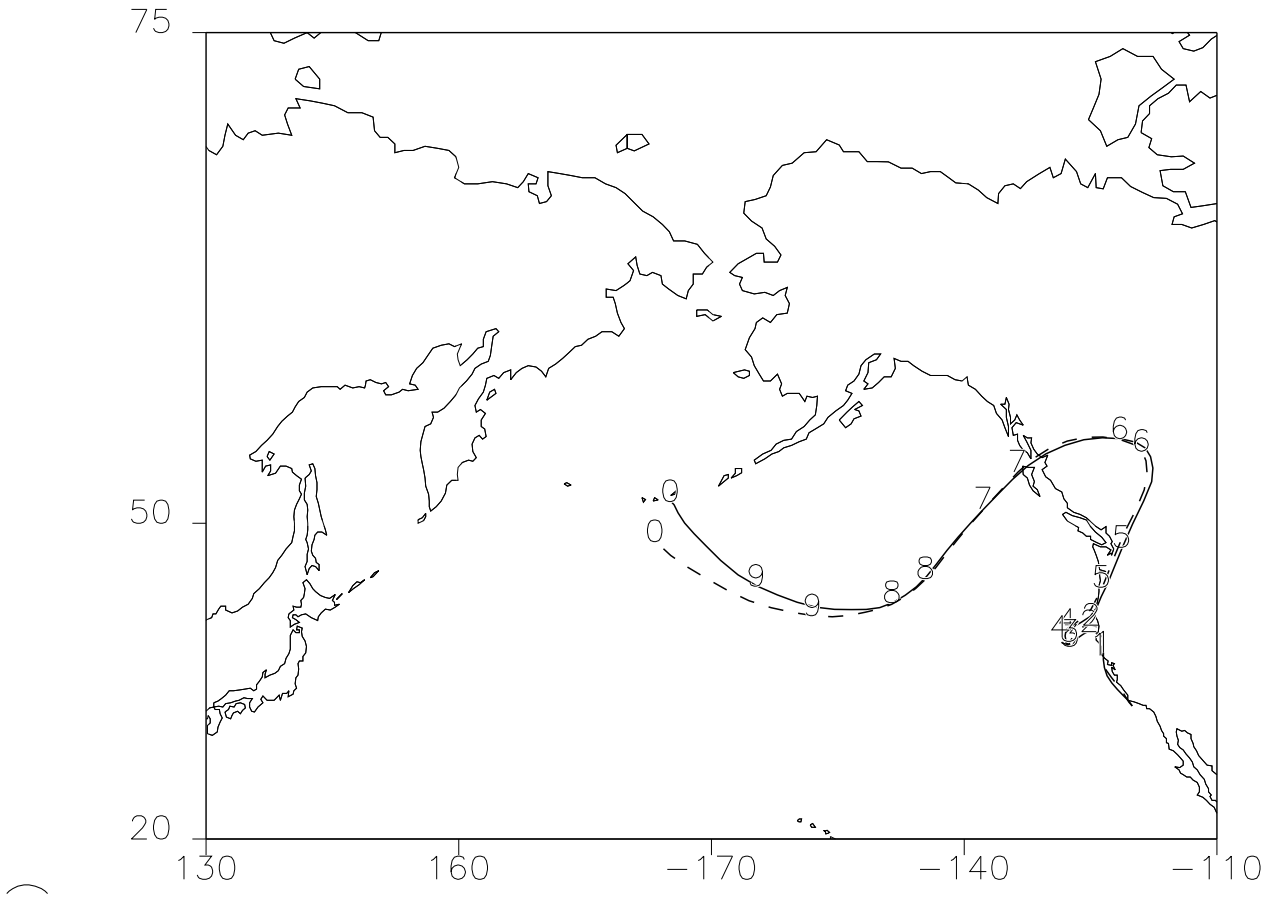
06UT

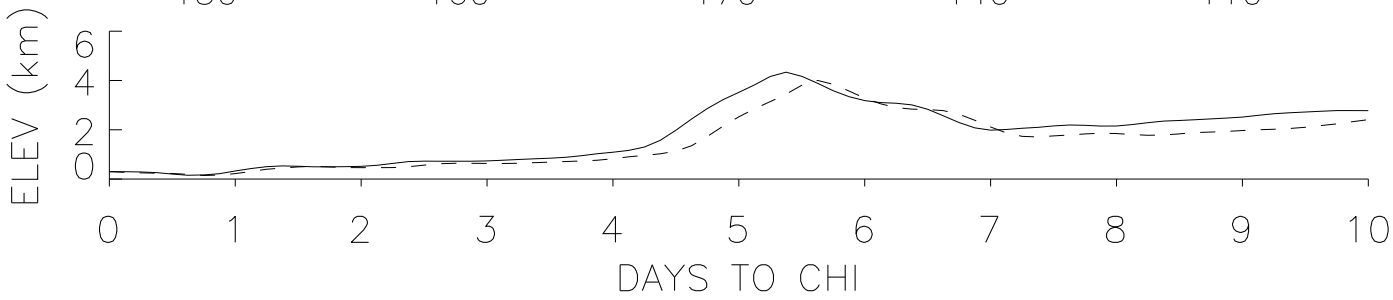
Day	km	hPa	C
0	0.3	980	21
1	0.4	979	17
2	0.5	958	15
3	0.7	935	14
4	1.2	878	11
5	3.9	619	−19
6	2.7	723	−10
7	1.6	832	−1
8	1.6	829	0
9	1.8	808	−2
10	2.5	721	−12



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/3/2004 (Day of Year 124)
NCEP/NCAR Reanalysis 1 Data Set





12UT

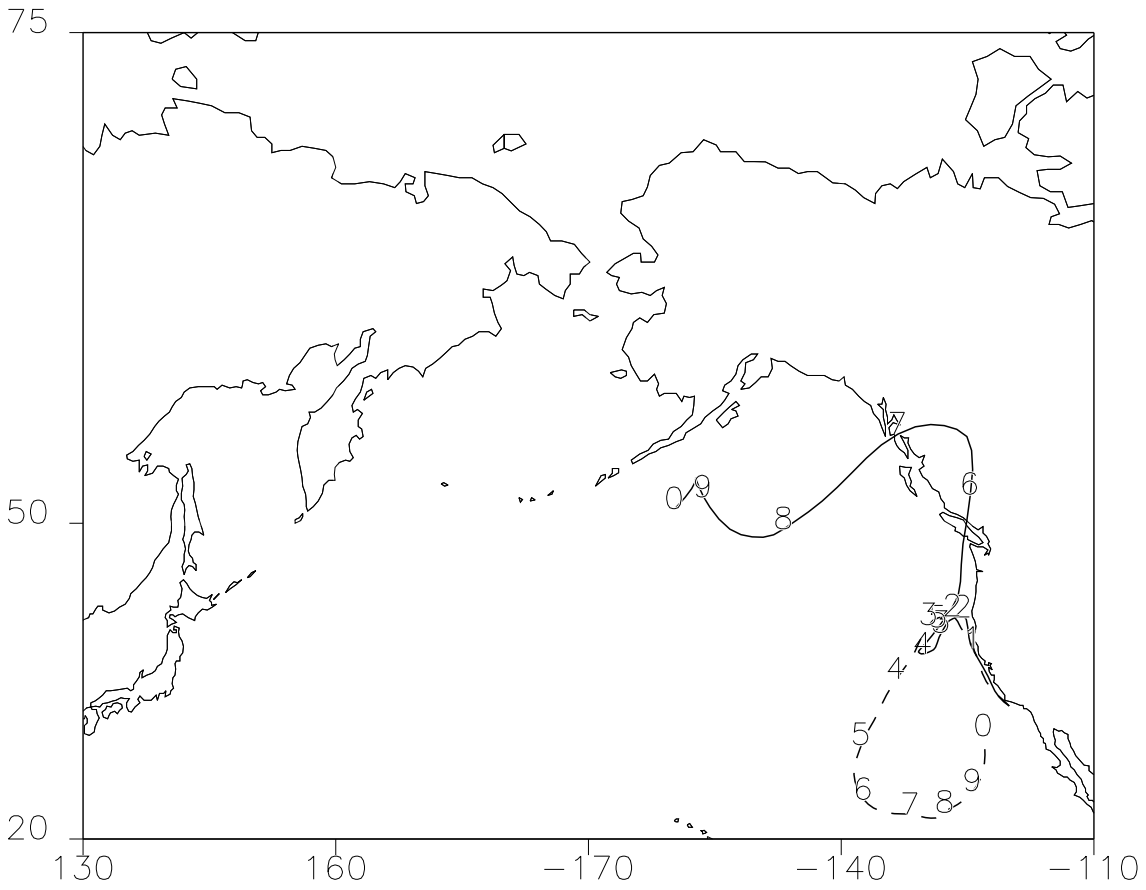
Day	km	hPa	C
0	0.3	979	21
1	0.3	983	14
2	0.5	960	14
3	0.7	931	15
4	1.1	891	10
5	3.5	655	−13
6	3.2	679	−11
7	2.0	797	−2
8	2.2	774	−4
9	2.5	734	−10
10	2.8	695	−12

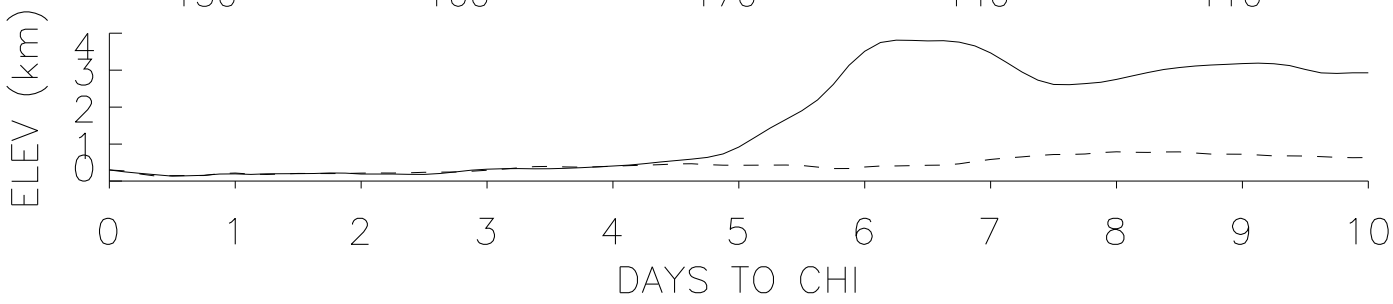
18UT

Day	km	hPa	C
0	0.3	980	26
1	0.2	995	19
2	0.5	968	16
3	0.6	945	14
4	0.8	919	11
5	2.5	750	−1
6	3.3	667	−13
7	2.1	786	−4
8	1.8	805	−2
9	2.0	792	−4
10	2.4	734	−9

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/4/2004 (Day of Year 125)
NCEP/NCAR Reanalysis 1 Data Set





00UT

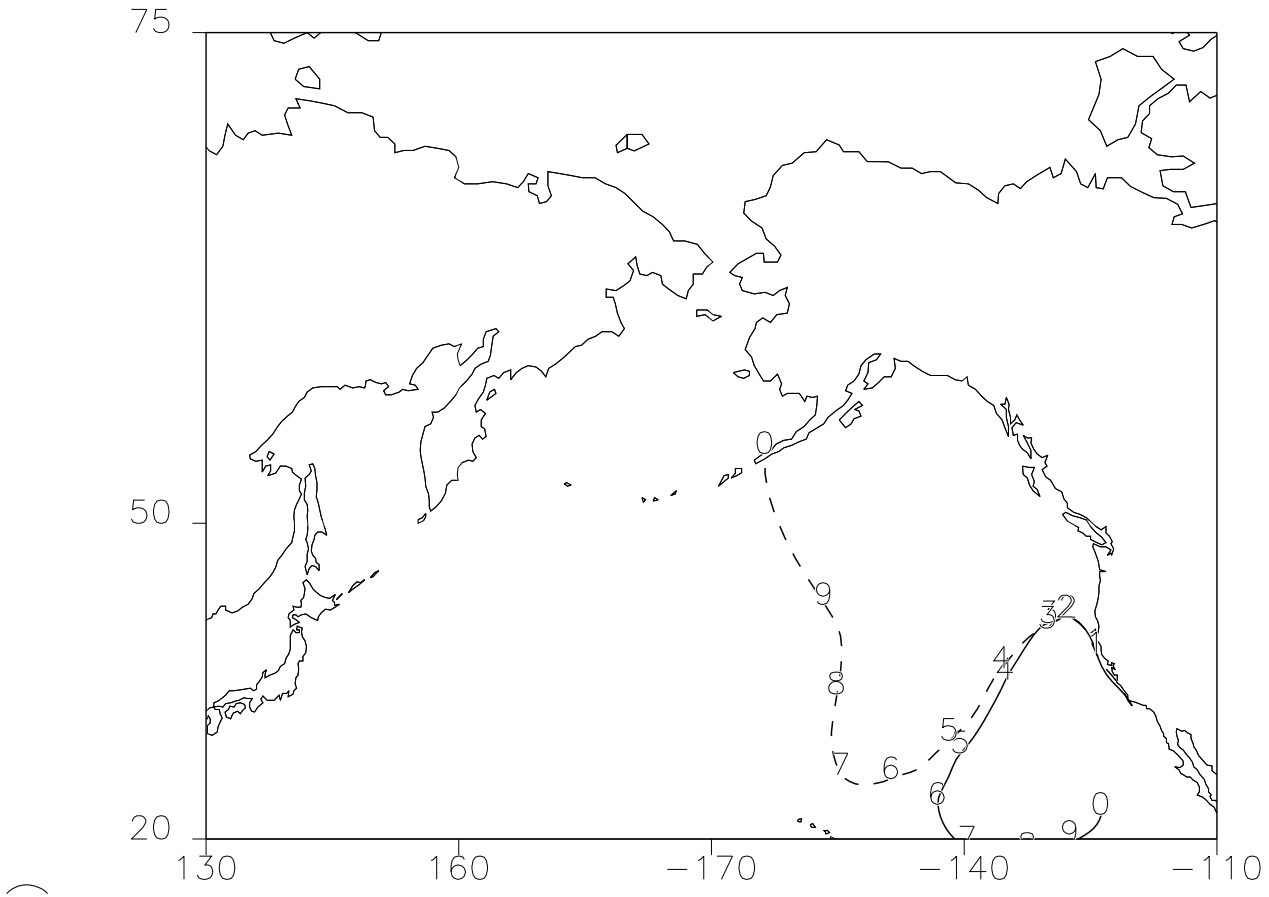
Day	km	hPa	C
0	0.3	978	27
1	0.2	996	21
2	0.2	1000	18
3	0.3	981	14
4	0.4	968	12
5	0.9	913	9
6	3.5	654	−15
7	3.5	656	−16
8	2.7	714	−11
9	3.2	665	−16
10	2.9	687	−12

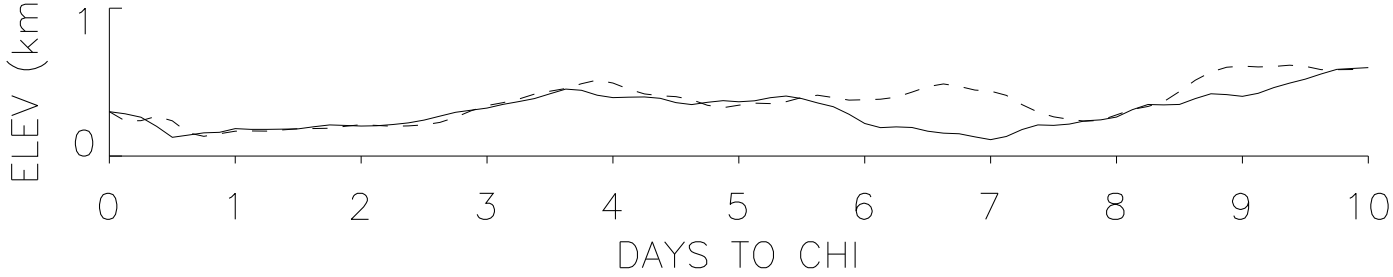
06UT

Day	km	hPa	C
0	0.3	979	20
1	0.2	995	15
2	0.2	999	14
3	0.3	984	13
4	0.4	969	16
5	0.4	967	18
6	0.4	976	19
7	0.6	951	15
8	0.8	929	13
9	0.7	935	12
10	0.6	945	14

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/4/2004 (Day of Year 125)
NCEP/NCAR Reanalysis 1 Data Set





12UT

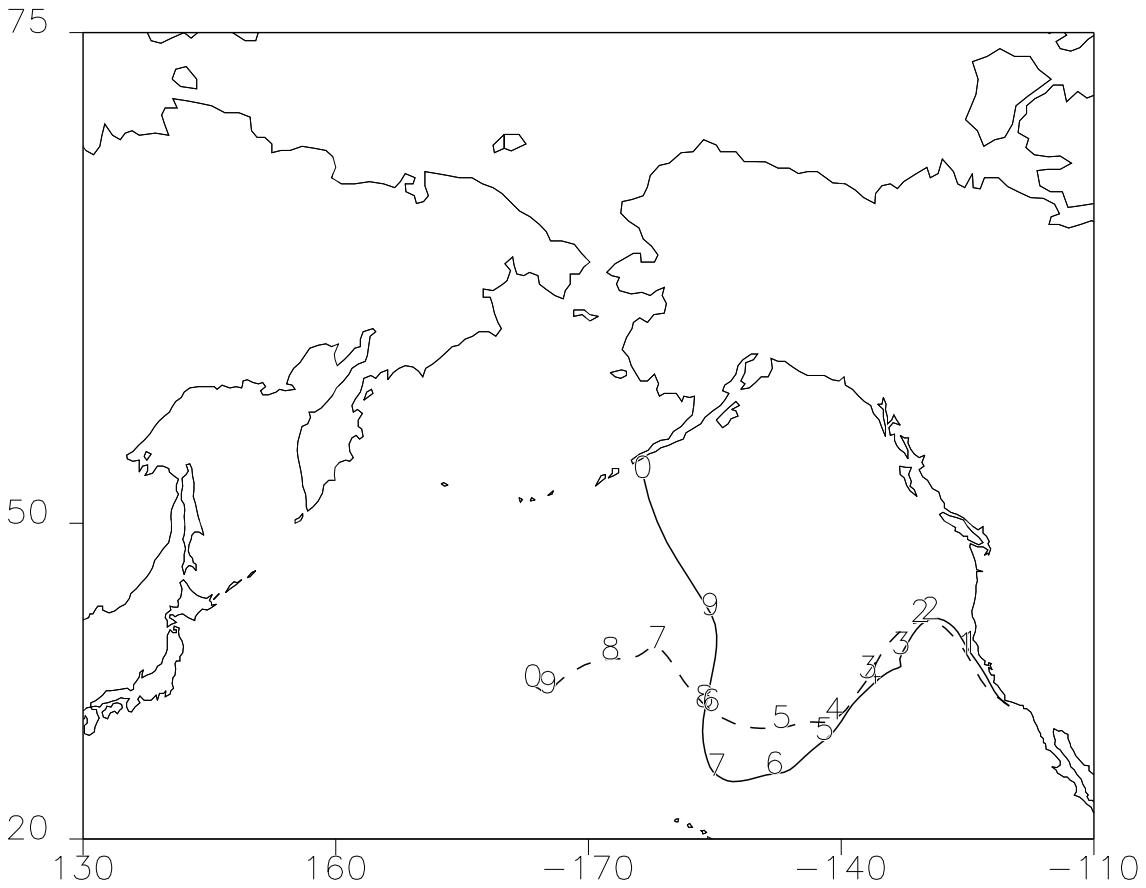
Day	km	hPa	C
0	0.3	977	19
1	0.2	997	14
2	0.2	1000	13
3	0.3	981	14
4	0.4	968	17
5	0.4	971	19
6	0.2	989	21
7	0.1	1000	22
8	0.3	983	19
9	0.4	967	15
10	0.6	947	12

18UT

Day	km	hPa	C
0	0.3	979	23
1	0.2	1000	18
2	0.2	1000	14
3	0.3	982	13
4	0.5	959	15
5	0.3	974	18
6	0.4	971	18
7	0.4	964	14
8	0.3	988	10
9	0.6	945	4
10	0.6	931	0

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/5/2004 (Day of Year 126)
NCEP/NCAR Reanalysis 1 Data Set

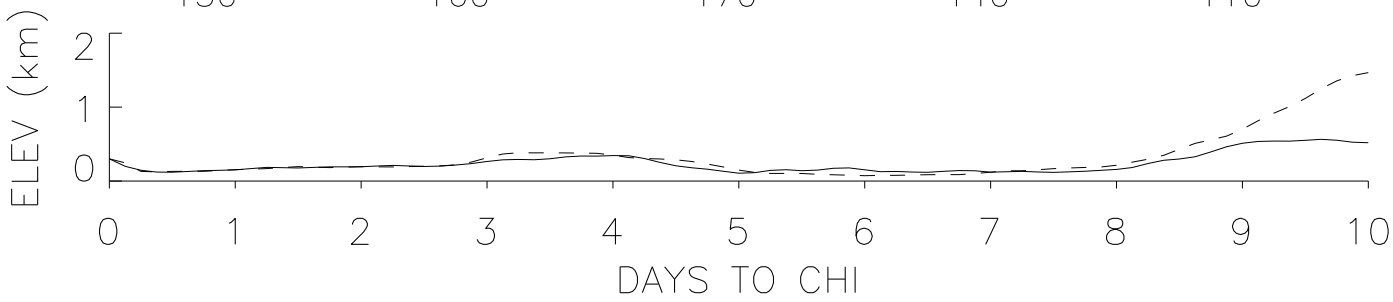


00UT

Day	km	hPa	C
0	0.3	978	23
1	0.2	1000	19
2	0.2	1000	13
3	0.3	992	15
4	0.3	977	17
5	0.1	1000	20
6	0.2	997	20
7	0.1	1000	18
8	0.2	1000	13
9	0.5	958	6
10	0.5	945	1

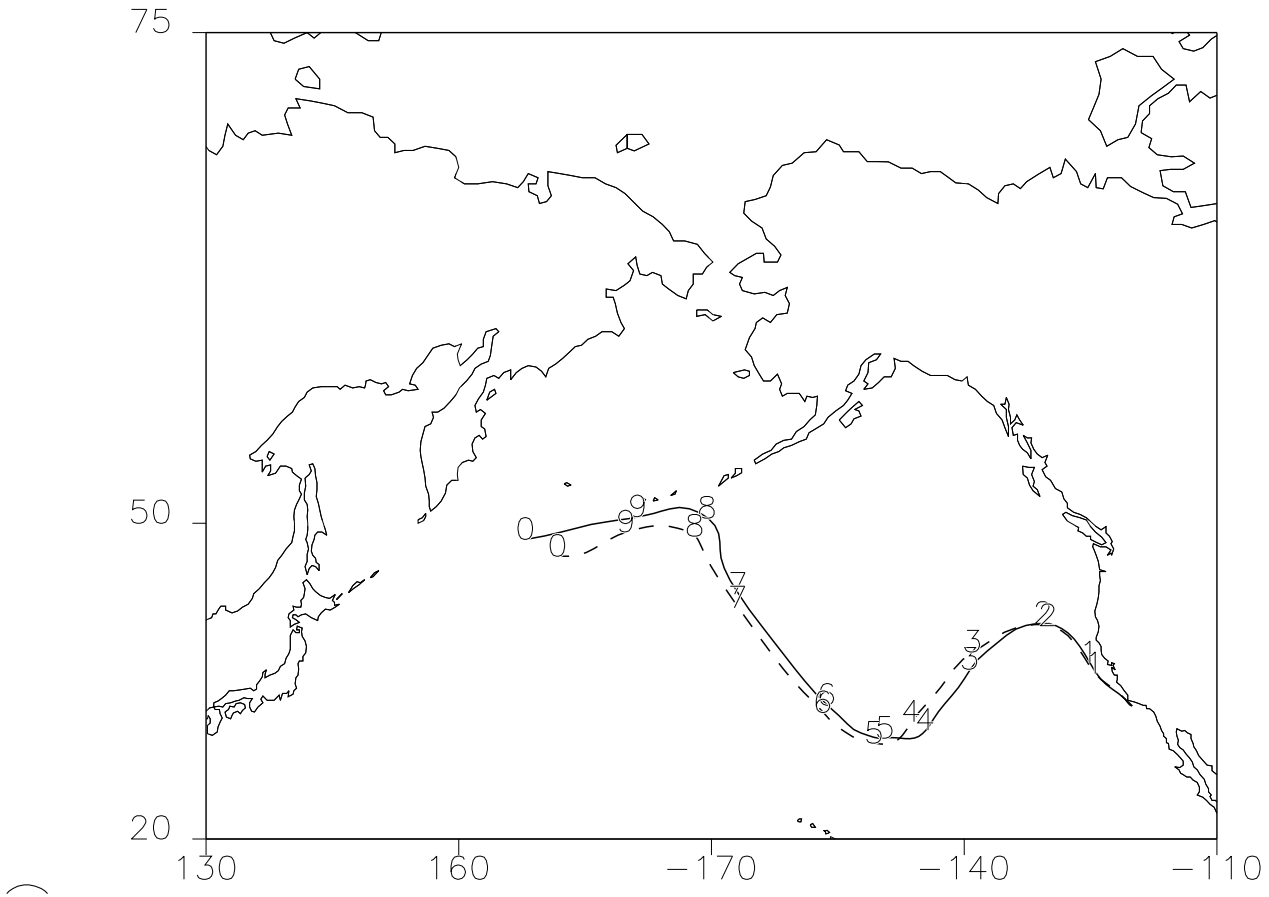
06UT

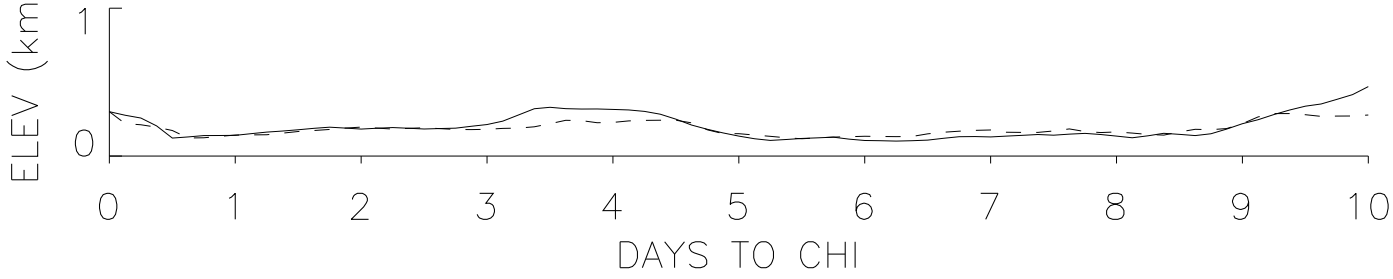
Day	km	hPa	C
0	0.3	979	19
1	0.2	1000	14
2	0.2	1000	13
3	0.3	986	16
4	0.4	978	16
5	0.1	994	16
6	0.1	1000	14
7	0.1	1000	11
8	0.2	998	14
9	0.7	948	11
10	1.5	863	9



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/5/2004 (Day of Year 126)
NCEP/NCAR Reanalysis 1 Data Set





12UT

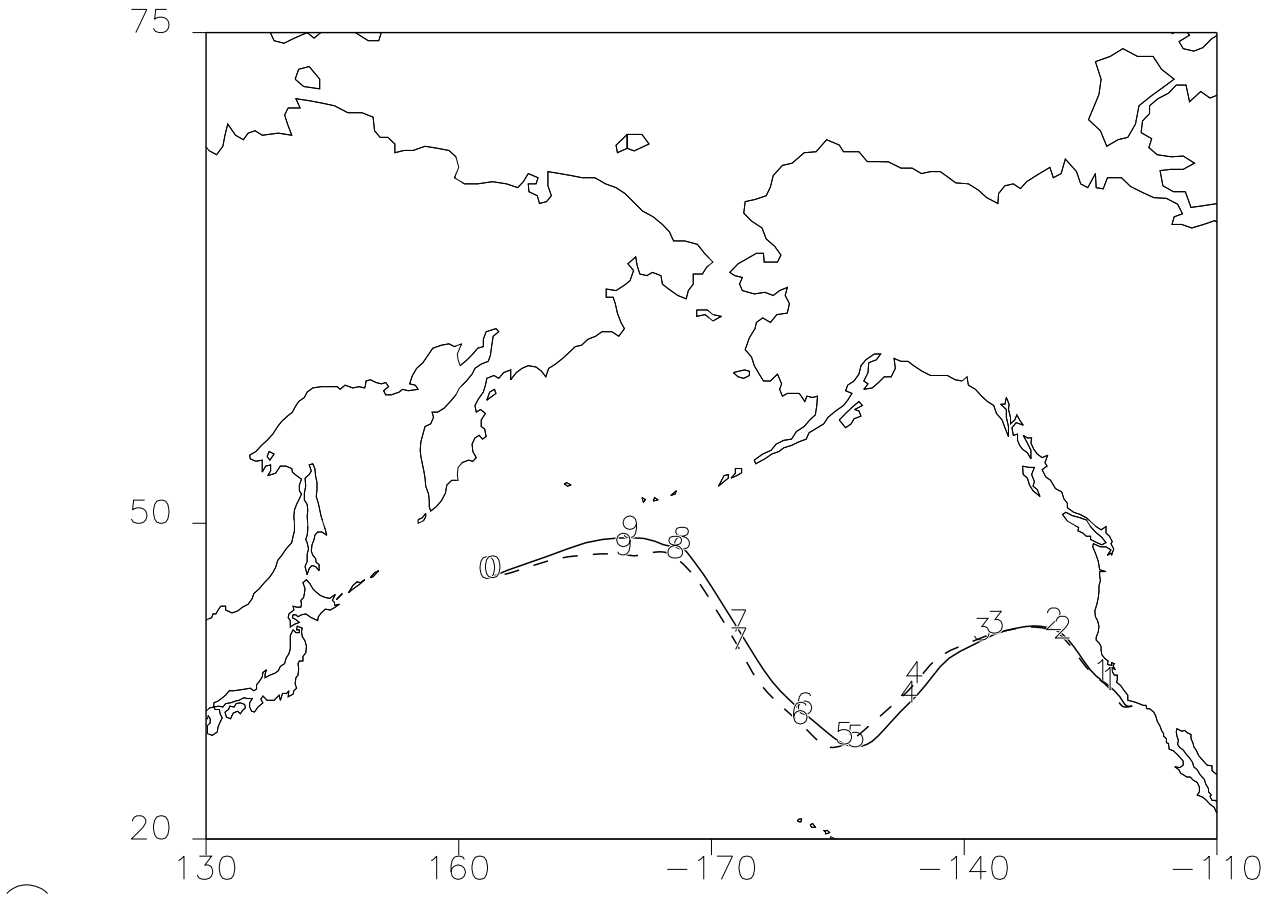
Day	km	hPa	C
0	0.3	978	17
1	0.1	1000	14
2	0.2	1000	13
3	0.2	995	16
4	0.3	982	16
5	0.1	999	16
6	0.1	1000	11
7	0.1	1000	4
8	0.1	1000	3
9	0.2	987	1
10	0.5	947	−1

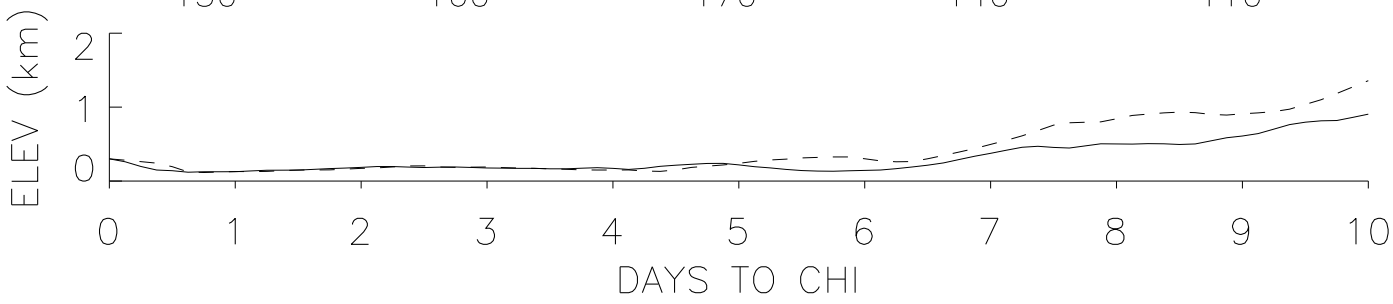
18UT

Day	km	hPa	C
0	0.3	980	20
1	0.1	1000	15
2	0.2	1000	12
3	0.2	1000	15
4	0.2	992	17
5	0.2	1000	16
6	0.1	1000	12
7	0.2	999	4
8	0.2	1000	2
9	0.2	987	1
10	0.3	976	0

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/6/2004 (Day of Year 127)
NCEP/NCAR Reanalysis 1 Data Set





00UT

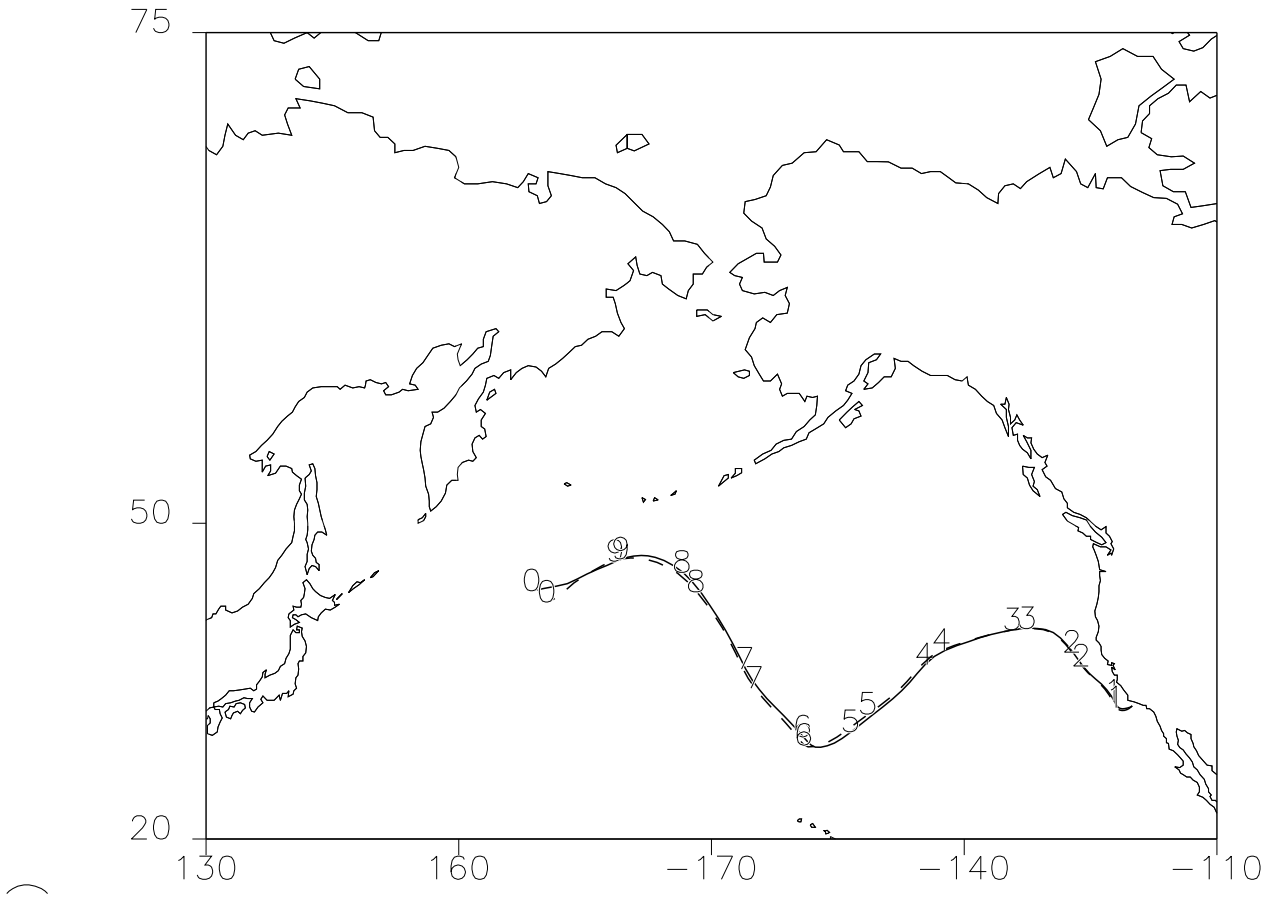
Day	km	hPa	C
0	0.3	978	19
1	0.1	1000	16
2	0.2	1000	13
3	0.2	1000	15
4	0.2	996	17
5	0.2	993	16
6	0.1	1000	13
7	0.4	976	4
8	0.5	958	−1
9	0.6	942	−1
10	0.9	903	−3

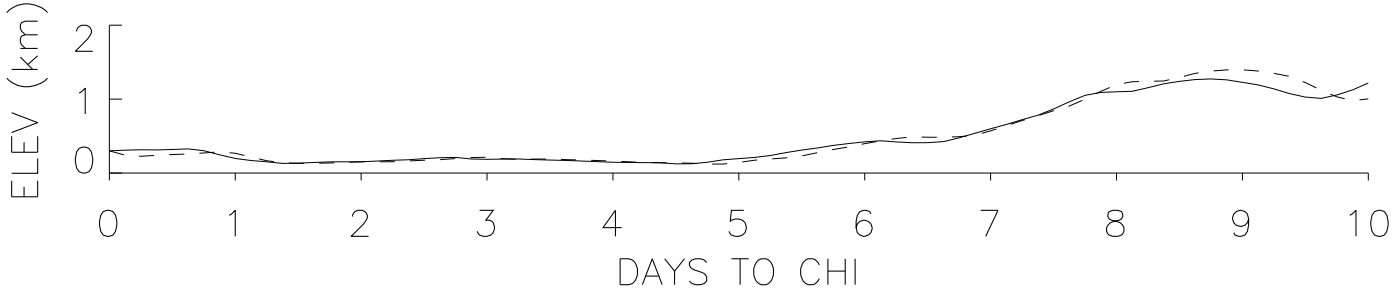
06UT

Day	km	hPa	C
0	0.3	980	16
1	0.1	1000	14
2	0.2	1000	12
3	0.2	1000	13
4	0.1	998	16
5	0.2	989	15
6	0.3	981	11
7	0.5	962	5
8	0.8	920	−3
9	0.9	911	−3
10	1.4	853	−8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/6/2004 (Day of Year 127)
NCEP/NCAR Reanalysis 1 Data Set





12UT

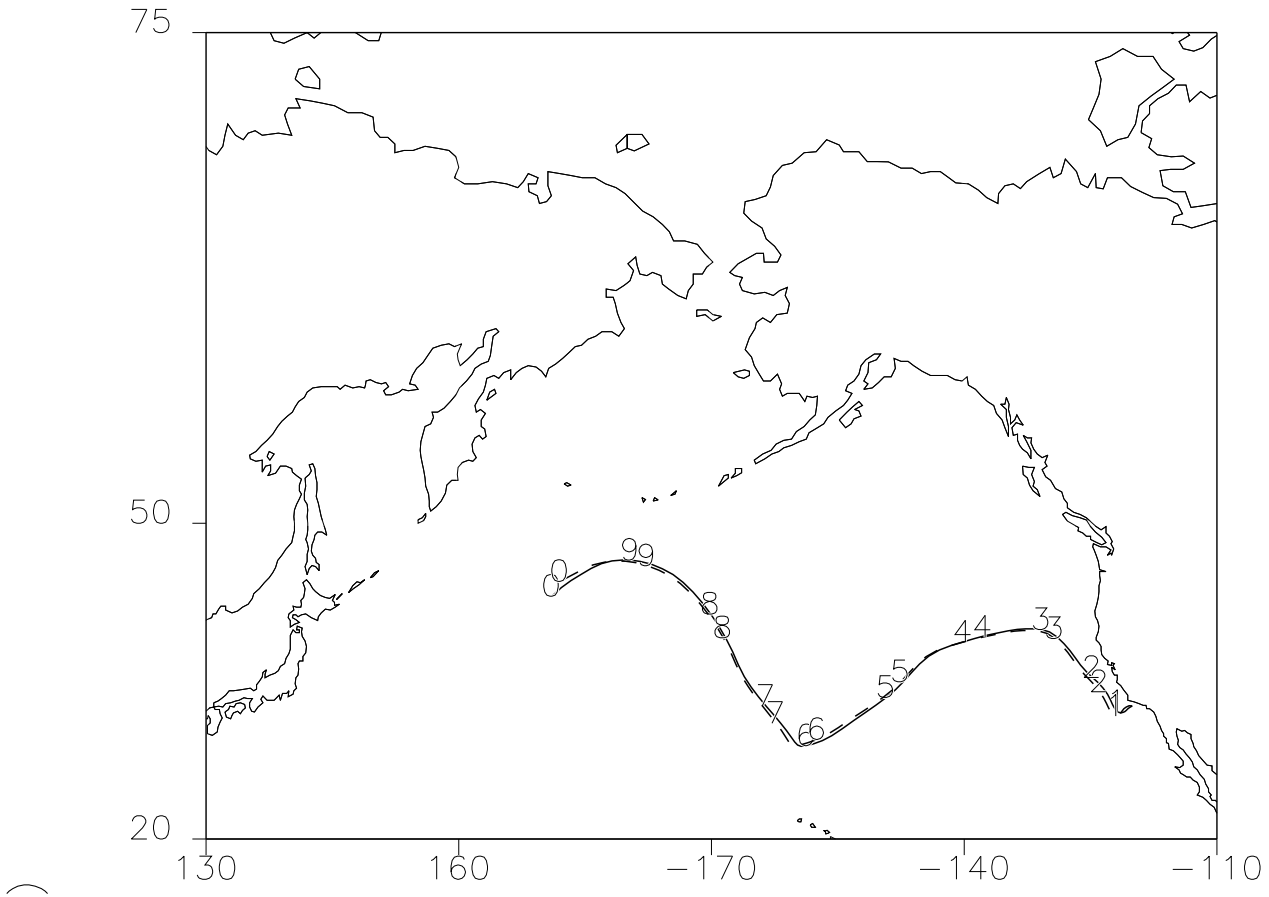
Day	km	hPa	C
0	0.3	980	16
1	0.2	991	14
2	0.2	1000	13
3	0.2	1000	13
4	0.1	1000	15
5	0.2	993	16
6	0.4	968	11
7	0.6	951	5
8	1.1	893	−4
9	1.2	874	−4
10	1.2	876	−5

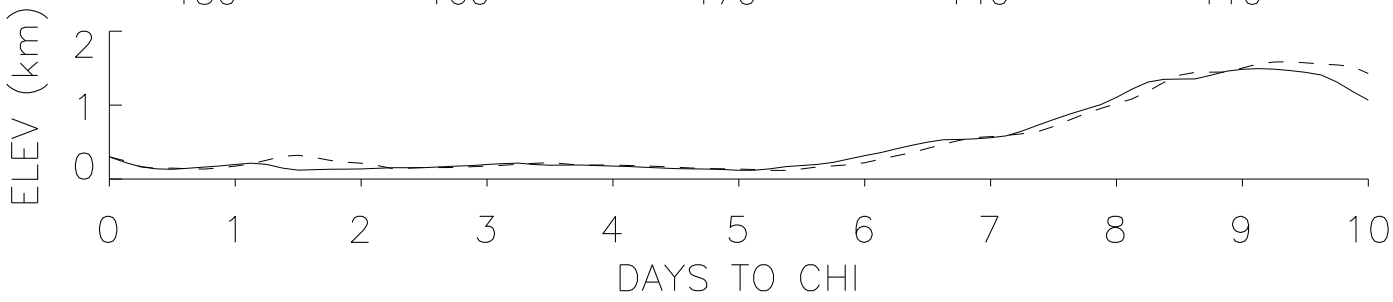
18UT

Day	km	hPa	C
0	0.3	982	17
1	0.3	984	15
2	0.2	1000	13
3	0.2	998	13
4	0.2	1000	13
5	0.1	998	16
6	0.4	973	12
7	0.6	954	7
8	1.2	884	−3
9	1.4	856	−7
10	1.0	901	−2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/7/2004 (Day of Year 128)
NCEP/NCAR Reanalysis 1 Data Set





00UT

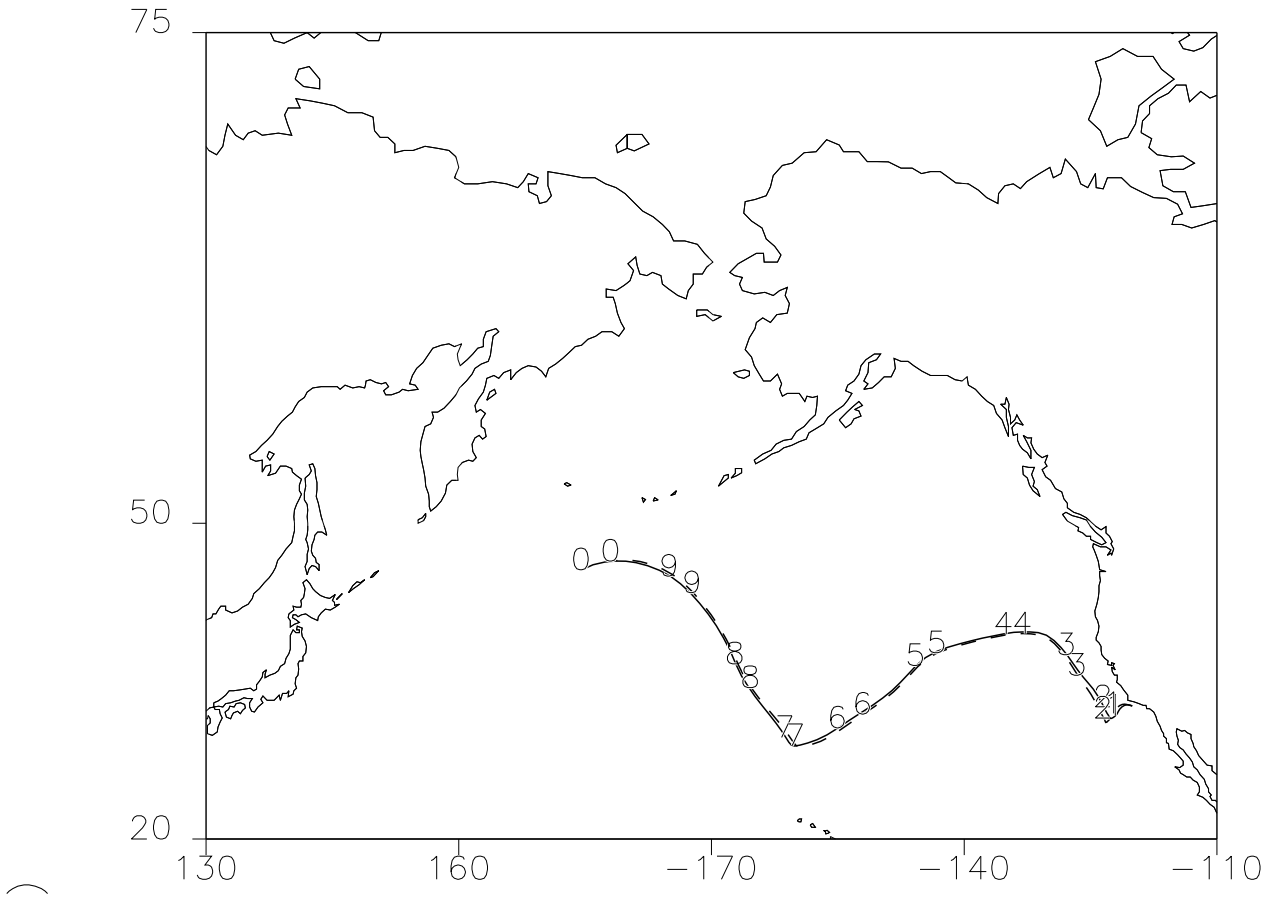
Day	km	hPa	C
0	0.3	981	19
1	0.2	991	14
2	0.1	1000	13
3	0.2	999	12
4	0.2	1000	14
5	0.1	1000	16
6	0.3	982	14
7	0.6	955	9
8	1.1	895	−1
9	1.5	847	−8
10	1.1	893	−2

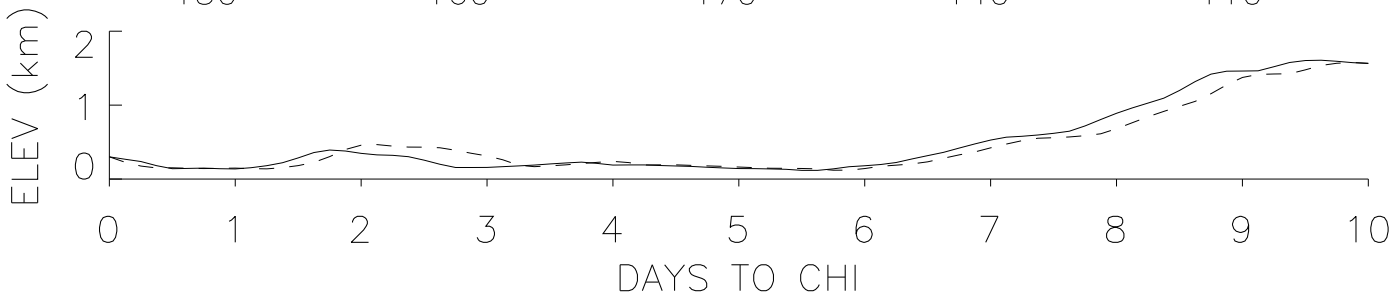
06UT

Day	km	hPa	C
0	0.3	982	17
1	0.2	995	13
2	0.2	991	13
3	0.2	1000	12
4	0.2	1000	12
5	0.1	999	15
6	0.2	990	15
7	0.6	951	9
8	1.0	903	0
9	1.5	848	−7
10	1.4	852	−5

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/7/2004 (Day of Year 128)
NCEP/NCAR Reanalysis 1 Data Set





12UT

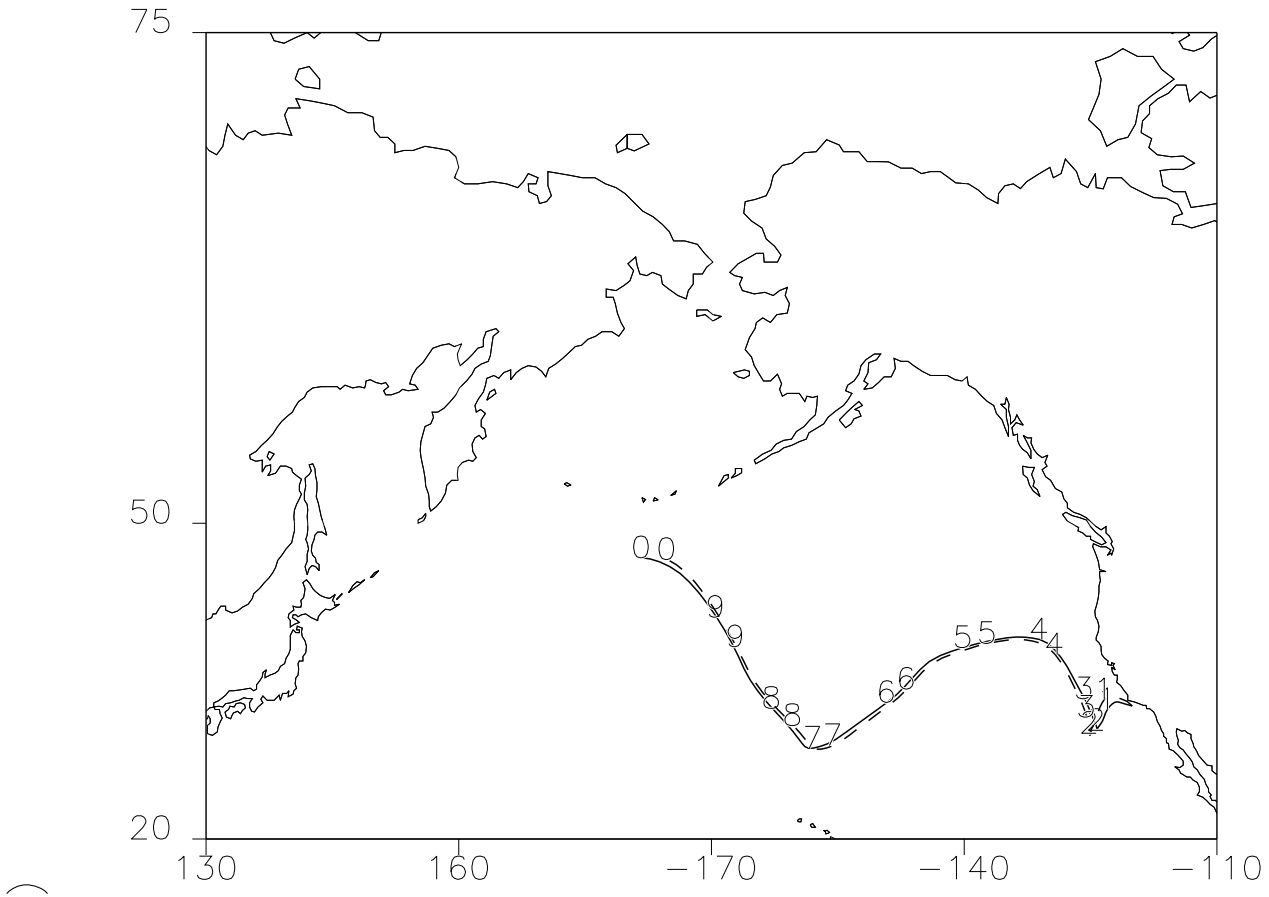
Day	km	hPa	C
0	0.3	981	17
1	0.1	999	15
2	0.3	974	13
3	0.2	1000	13
4	0.2	1000	13
5	0.1	1000	14
6	0.2	993	15
7	0.5	957	10
8	0.9	918	3
9	1.5	854	−6
10	1.6	838	−6

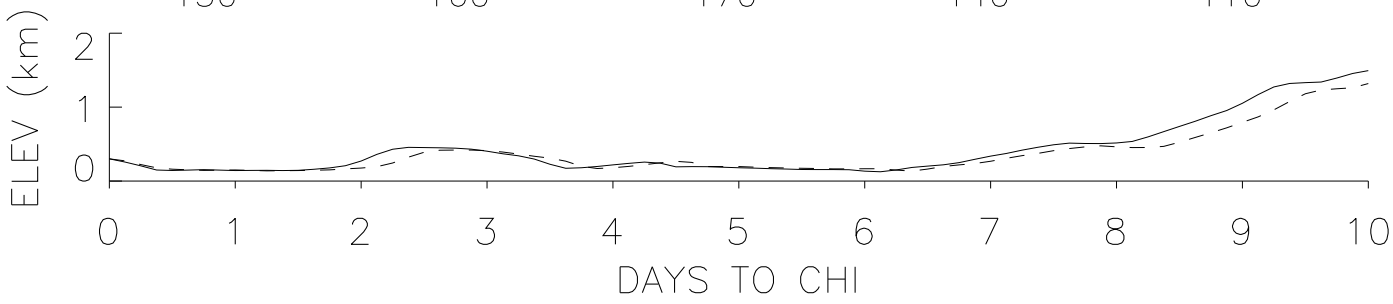
18UT

Day	km	hPa	C
0	0.3	982	20
1	0.1	1000	14
2	0.5	963	12
3	0.3	982	12
4	0.2	995	13
5	0.2	1000	13
6	0.1	998	16
7	0.4	971	11
8	0.7	942	7
9	1.4	864	−4
10	1.6	838	−8

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/8/2004 (Day of Year 129)
NCEP/NCAR Reanalysis 1 Data Set





00UT

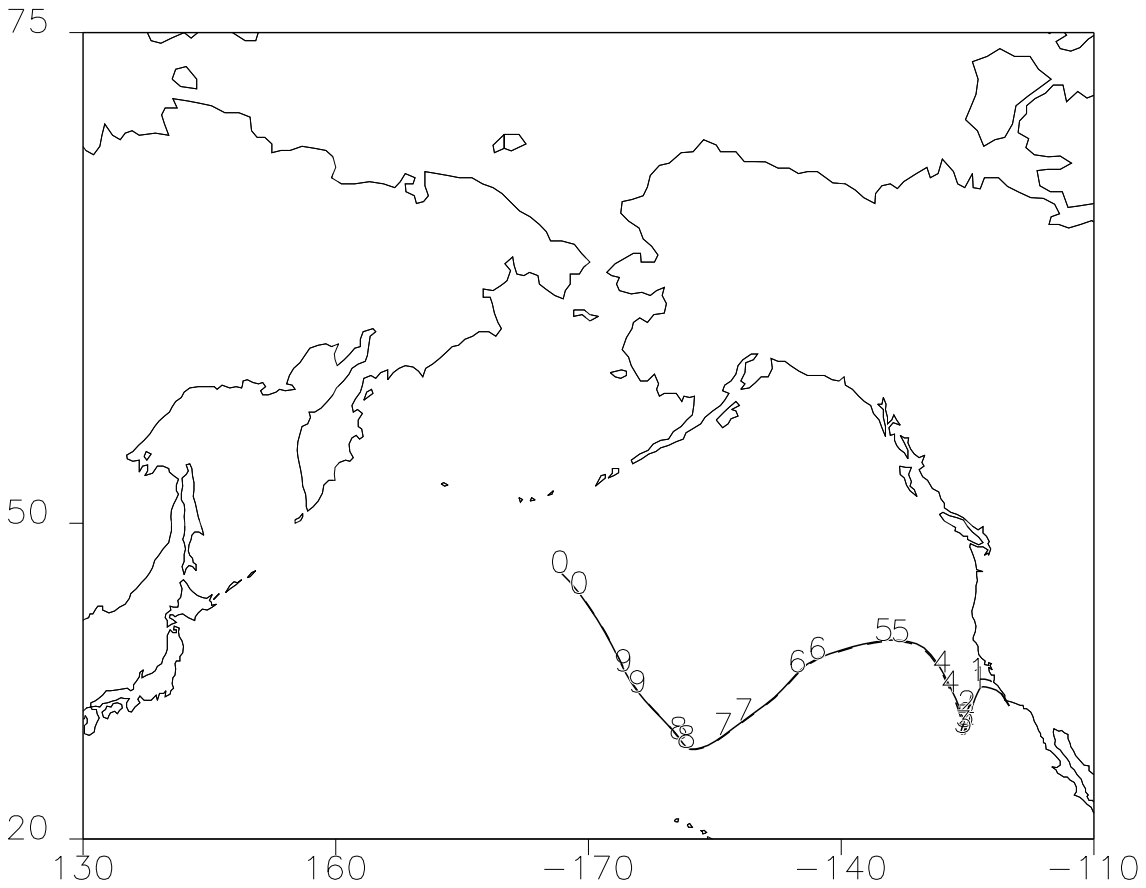
Day	km	hPa	C
0	0.3	981	19
1	0.1	1000	14
2	0.3	983	12
3	0.4	970	12
4	0.2	997	13
5	0.2	1000	14
6	0.1	999	17
7	0.3	980	14
8	0.5	959	9
9	1.1	900	−1
10	1.5	846	−8

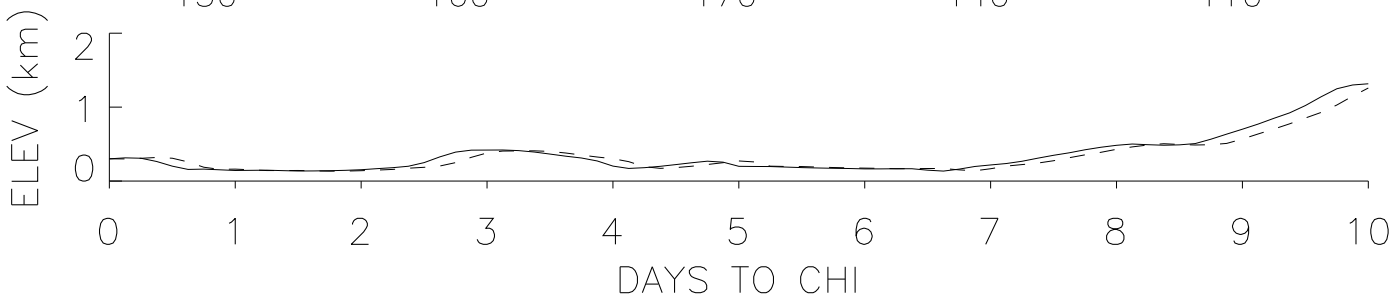
06UT

Day	km	hPa	C
0	0.3	984	16
1	0.2	1000	14
2	0.2	995	13
3	0.4	969	12
4	0.2	1000	13
5	0.2	1000	13
6	0.2	996	16
7	0.3	986	15
8	0.5	963	10
9	0.8	927	2
10	1.3	867	−6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/8/2004 (Day of Year 129)
NCEP/NCAR Reanalysis 1 Data Set





12UT

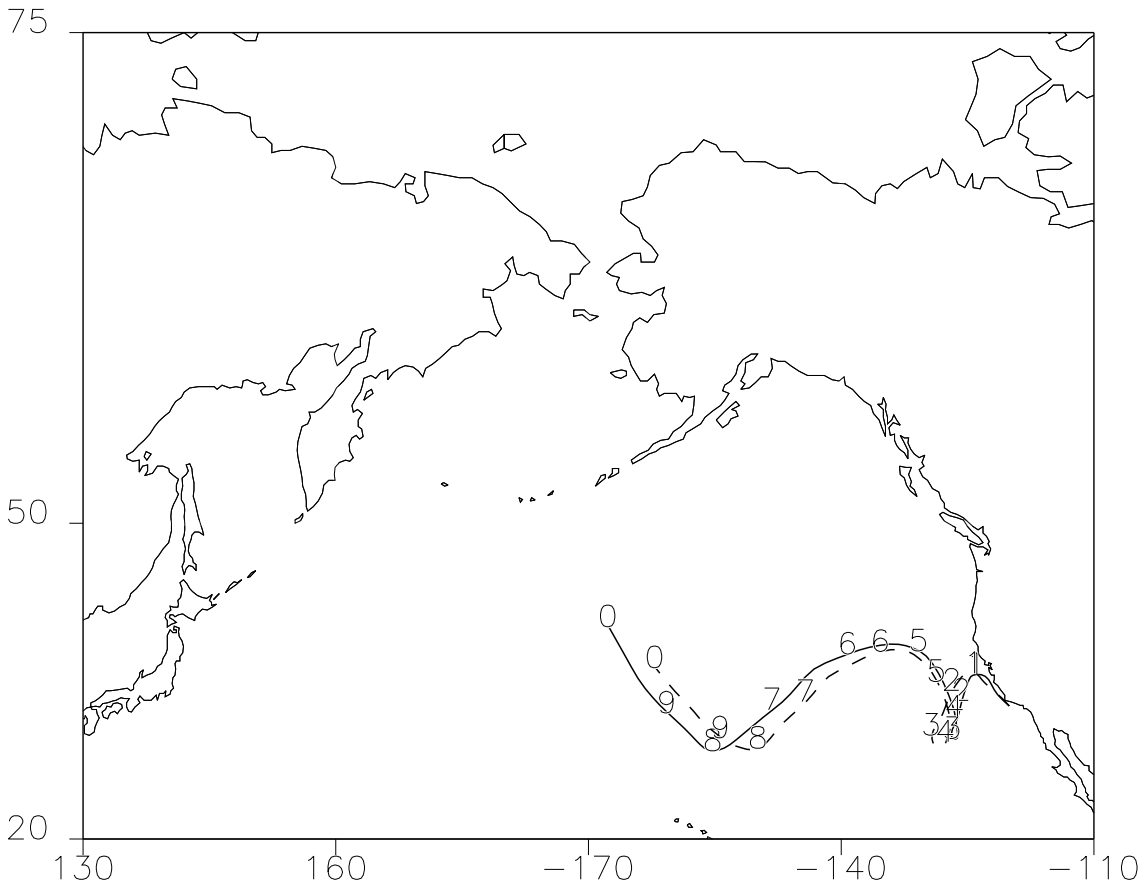
Day	km	hPa	C
0	0.3	983	13
1	0.1	1000	15
2	0.2	997	15
3	0.4	966	12
4	0.2	995	14
5	0.2	999	14
6	0.2	998	15
7	0.2	990	15
8	0.5	961	11
9	0.7	939	5
10	1.3	869	−5

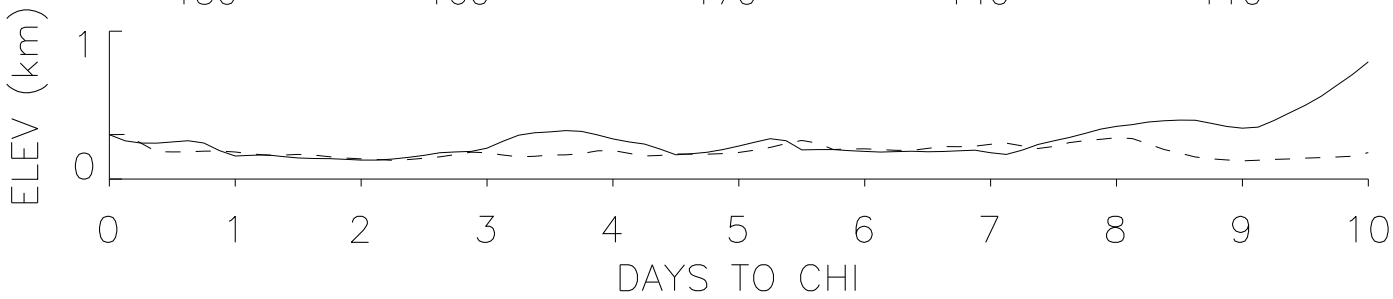
18UT

Day	km	hPa	C
0	0.3	983	18
1	0.2	1000	16
2	0.1	1000	13
3	0.4	972	12
4	0.3	984	12
5	0.3	992	13
6	0.2	999	14
7	0.2	996	16
8	0.4	969	12
9	0.6	954	8
10	1.3	876	−4

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/9/2004 (Day of Year 130)
NCEP/NCAR Reanalysis 1 Data Set





00UT

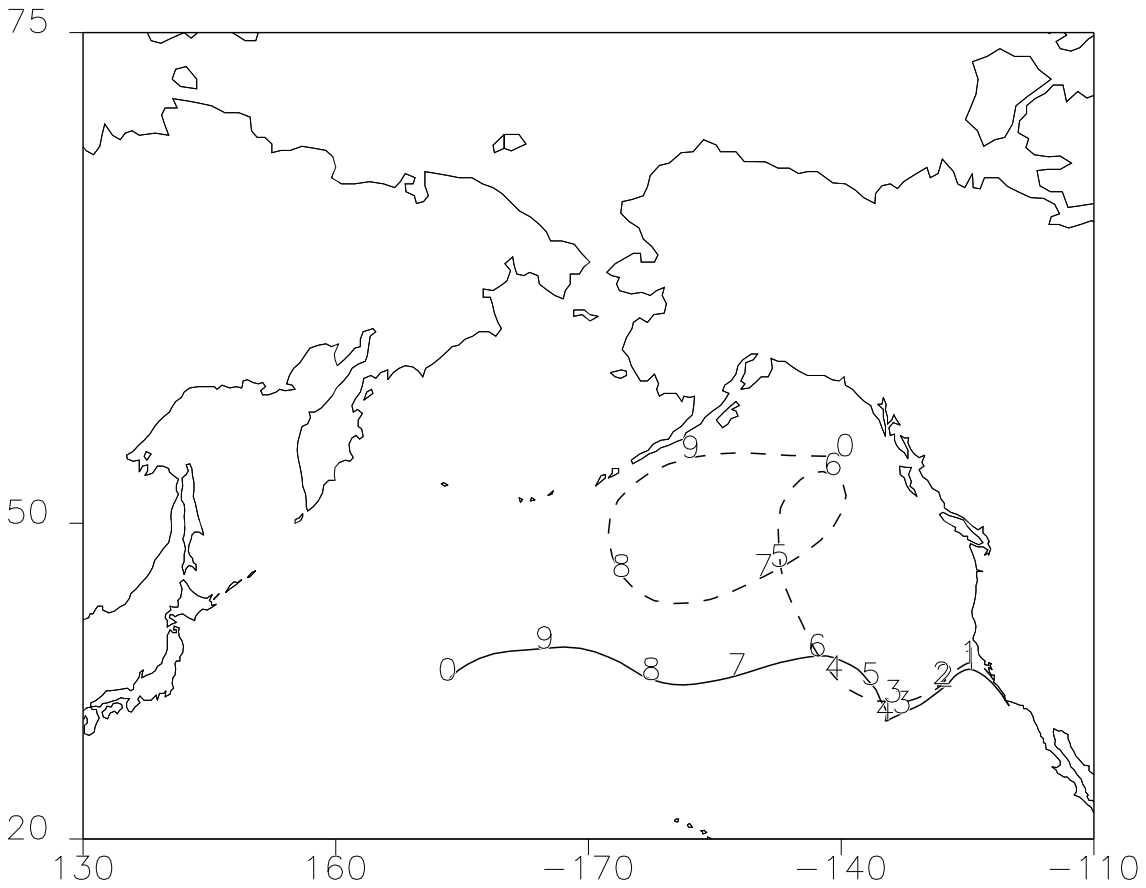
Day	km	hPa	C
0	0.3	981	17
1	0.2	1000	14
2	0.1	1000	14
3	0.2	989	14
4	0.3	986	13
5	0.2	996	14
6	0.2	1000	15
7	0.2	995	17
8	0.4	977	14
9	0.3	978	11
10	0.8	928	1

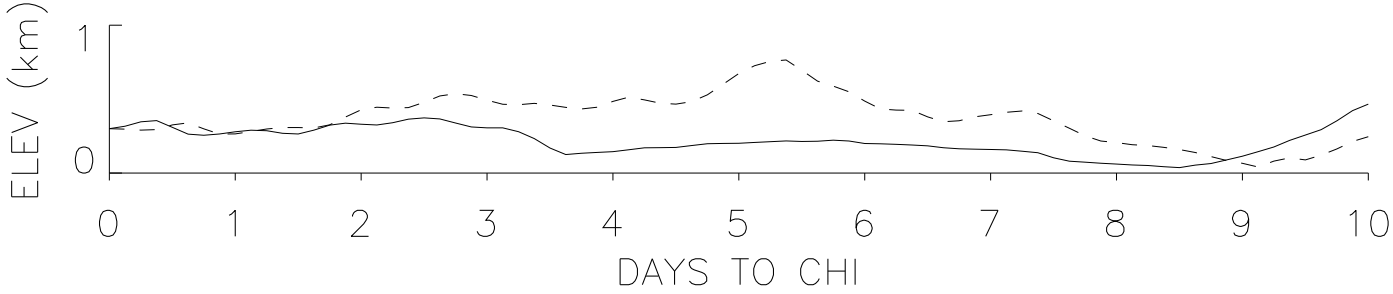
06UT

Day	km	hPa	C
0	0.3	982	15
1	0.2	1000	12
2	0.1	999	14
3	0.2	993	16
4	0.2	996	15
5	0.2	1000	14
6	0.2	1000	14
7	0.2	991	17
8	0.3	986	16
9	0.1	1000	15
10	0.2	995	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/9/2004 (Day of Year 130)
NCEP/NCAR Reanalysis 1 Data Set





12UT

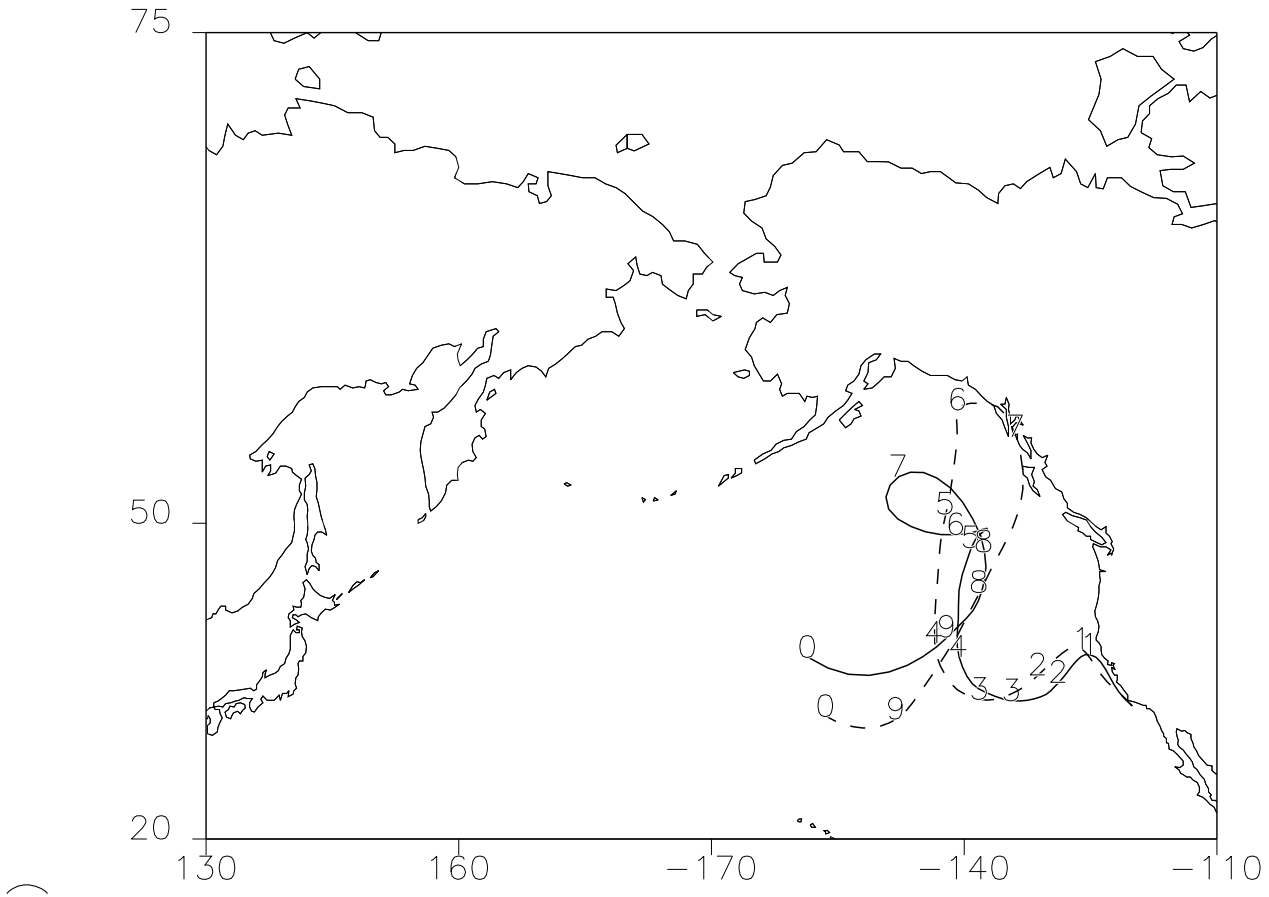
Day	km	hPa	C
0	0.3	980	13
1	0.3	989	11
2	0.3	977	13
3	0.3	976	16
4	0.1	1000	16
5	0.2	1000	14
6	0.2	1000	12
7	0.2	996	12
8	0.1	1000	13
9	0.1	1000	12
10	0.5	974	12

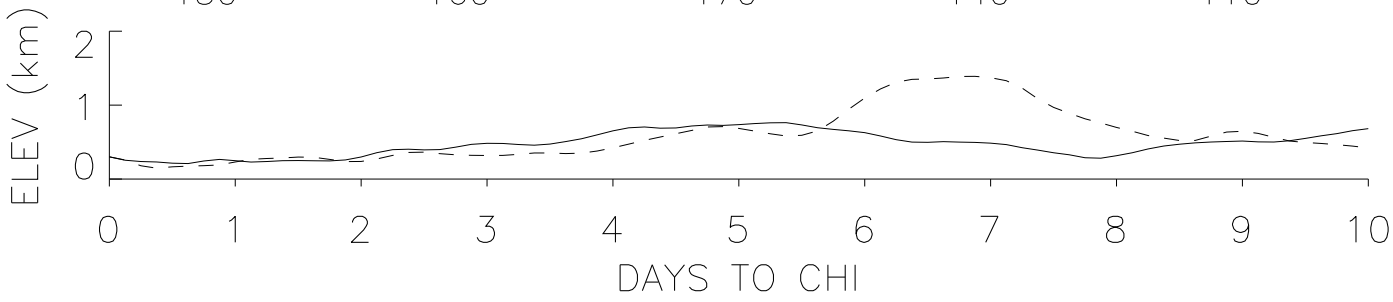
18UT

Day	km	hPa	C
0	0.3	980	18
1	0.3	991	13
2	0.4	968	11
3	0.5	954	12
4	0.5	958	8
5	0.7	940	2
6	0.5	947	4
7	0.4	954	5
8	0.2	968	6
9	0.1	987	5
10	0.2	992	6

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/10/2004 (Day of Year 131)
NCEP/NCAR Reanalysis 1 Data Set





00UT

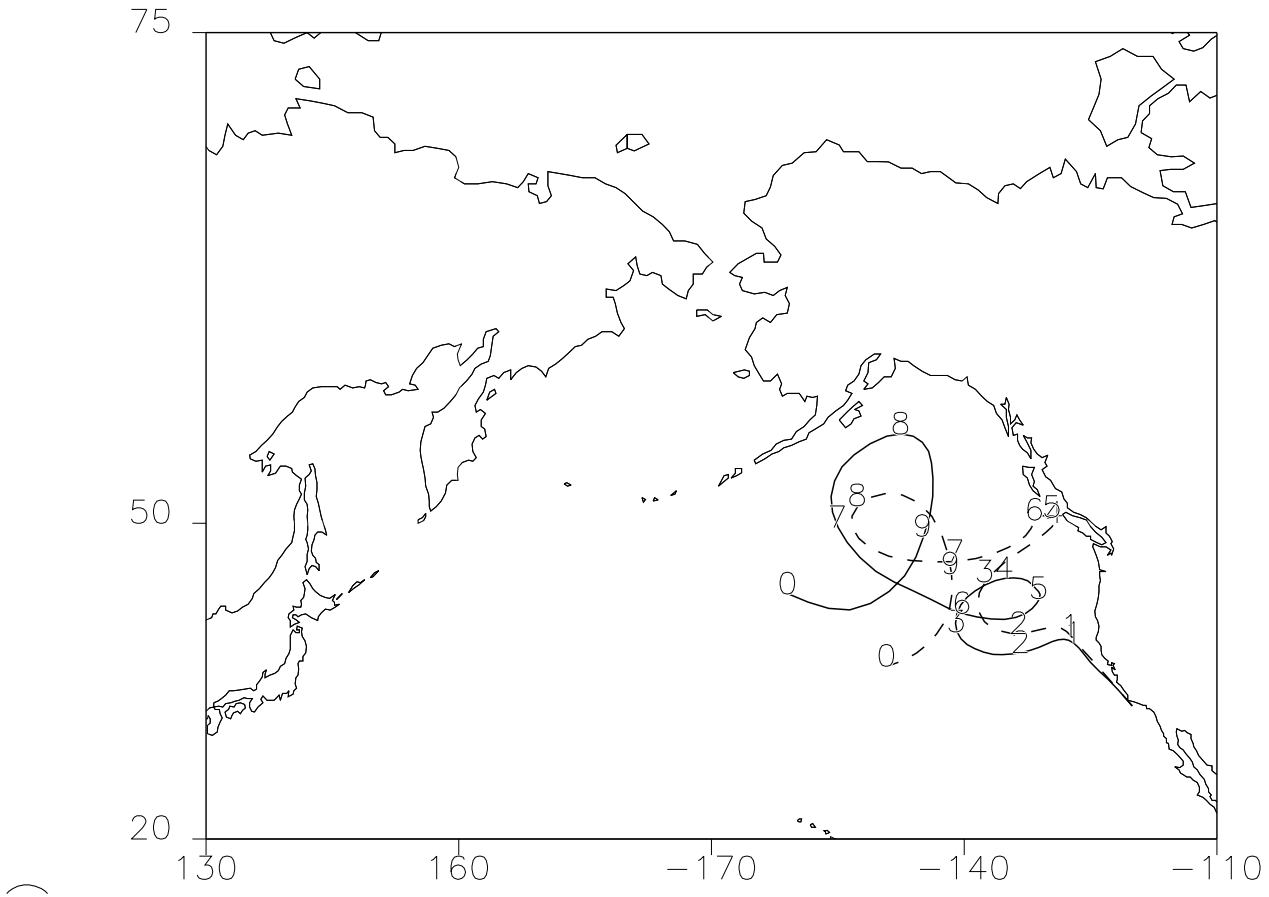
Day	km	hPa	C
0	0.3	977	18
1	0.2	993	12
2	0.3	982	11
3	0.5	956	11
4	0.7	937	6
5	0.7	925	2
6	0.6	933	4
7	0.5	940	4
8	0.3	975	8
9	0.5	950	9
10	0.7	927	3

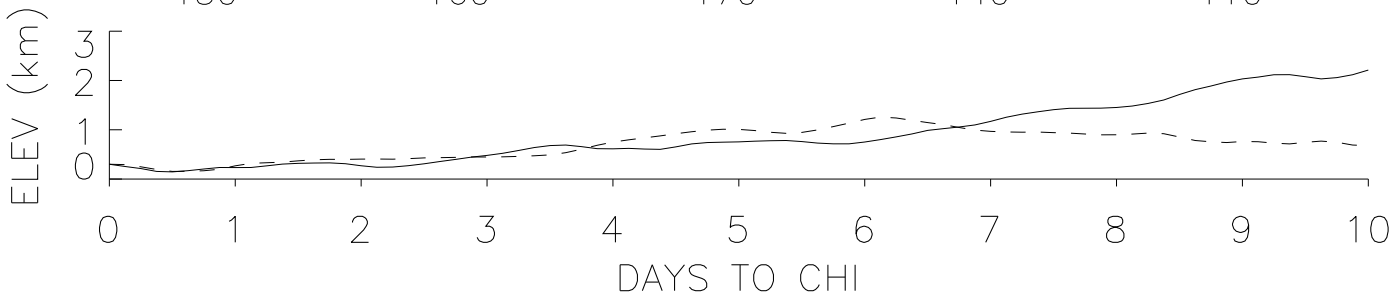
06UT

Day	km	hPa	C
0	0.3	978	16
1	0.2	996	11
2	0.2	989	13
3	0.3	977	11
4	0.4	965	8
5	0.7	939	6
6	1.1	890	3
7	1.4	855	0
8	0.7	931	8
9	0.6	943	11
10	0.4	965	10

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/10/2004 (Day of Year 131)
NCEP/NCAR Reanalysis 1 Data Set





12UT

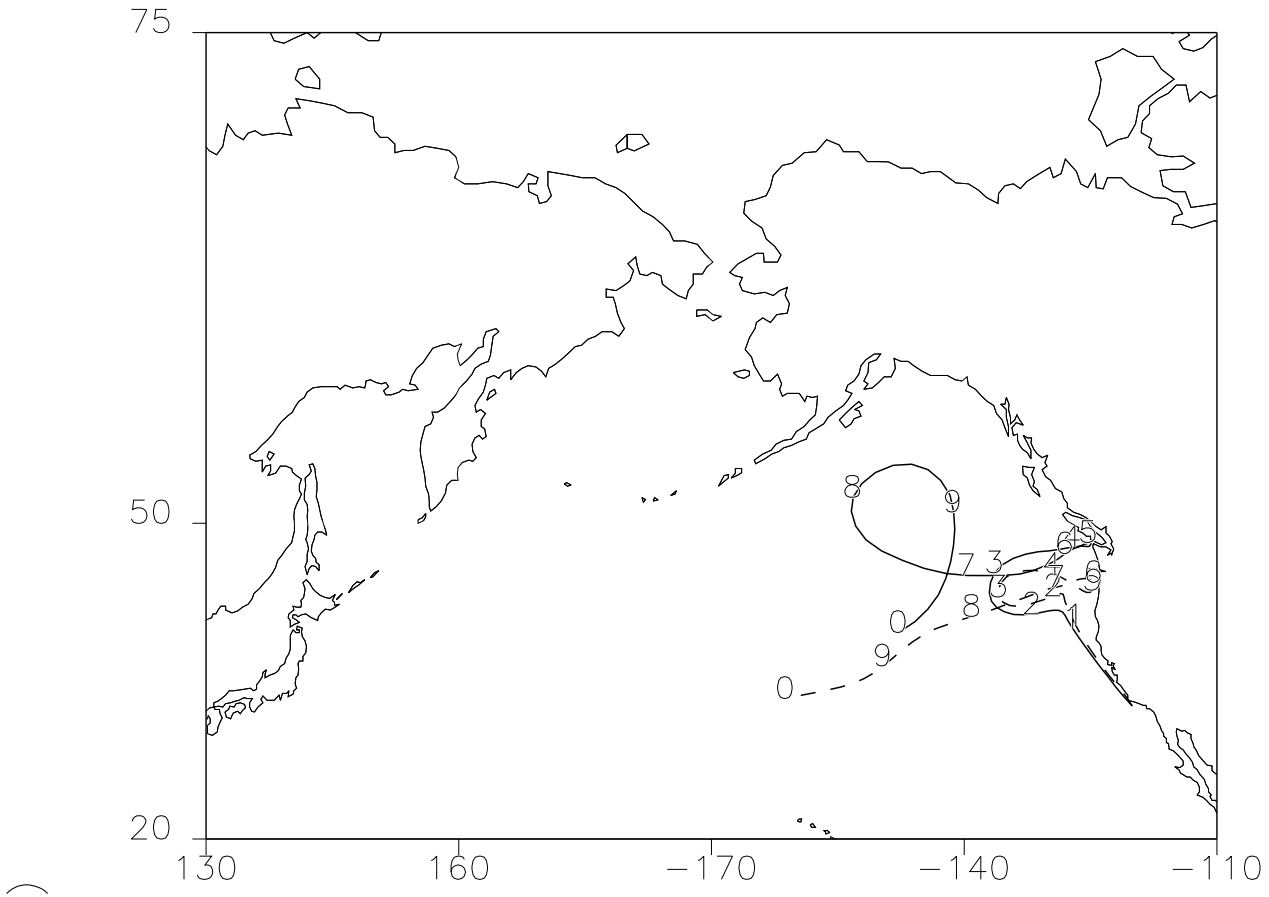
Day	km	hPa	C
0	0.3	977	14
1	0.2	995	11
2	0.3	985	10
3	0.5	954	7
4	0.6	940	4
5	0.8	923	3
6	0.8	932	3
7	1.2	878	−1
8	1.5	841	−3
9	2.0	779	−5
10	2.2	758	−8

18UT

Day	km	hPa	C
0	0.3	979	15
1	0.3	992	10
2	0.4	970	8
3	0.4	957	8
4	0.8	929	5
5	1.0	897	2
6	1.2	871	0
7	1.0	898	2
8	0.9	893	1
9	0.8	919	4
10	0.7	928	6

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/11/2004 (Day of Year 132)
NCEP/NCAR Reanalysis 1 Data Set

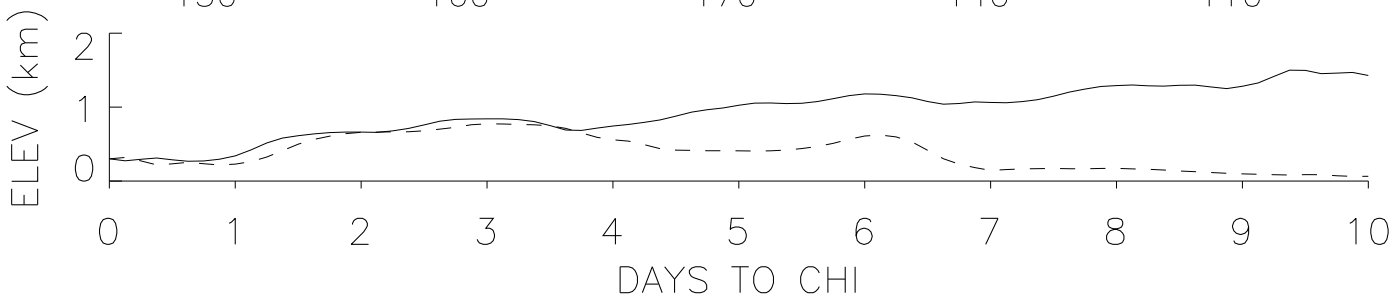


00UT

Day	km	hPa	C
0	0.3	976	16
1	0.3	981	8
2	0.7	941	5
3	0.8	912	5
4	0.7	927	8
5	1.0	897	3
6	1.2	878	0
7	1.1	892	3
8	1.3	855	0
9	1.3	860	−1
10	1.4	844	0

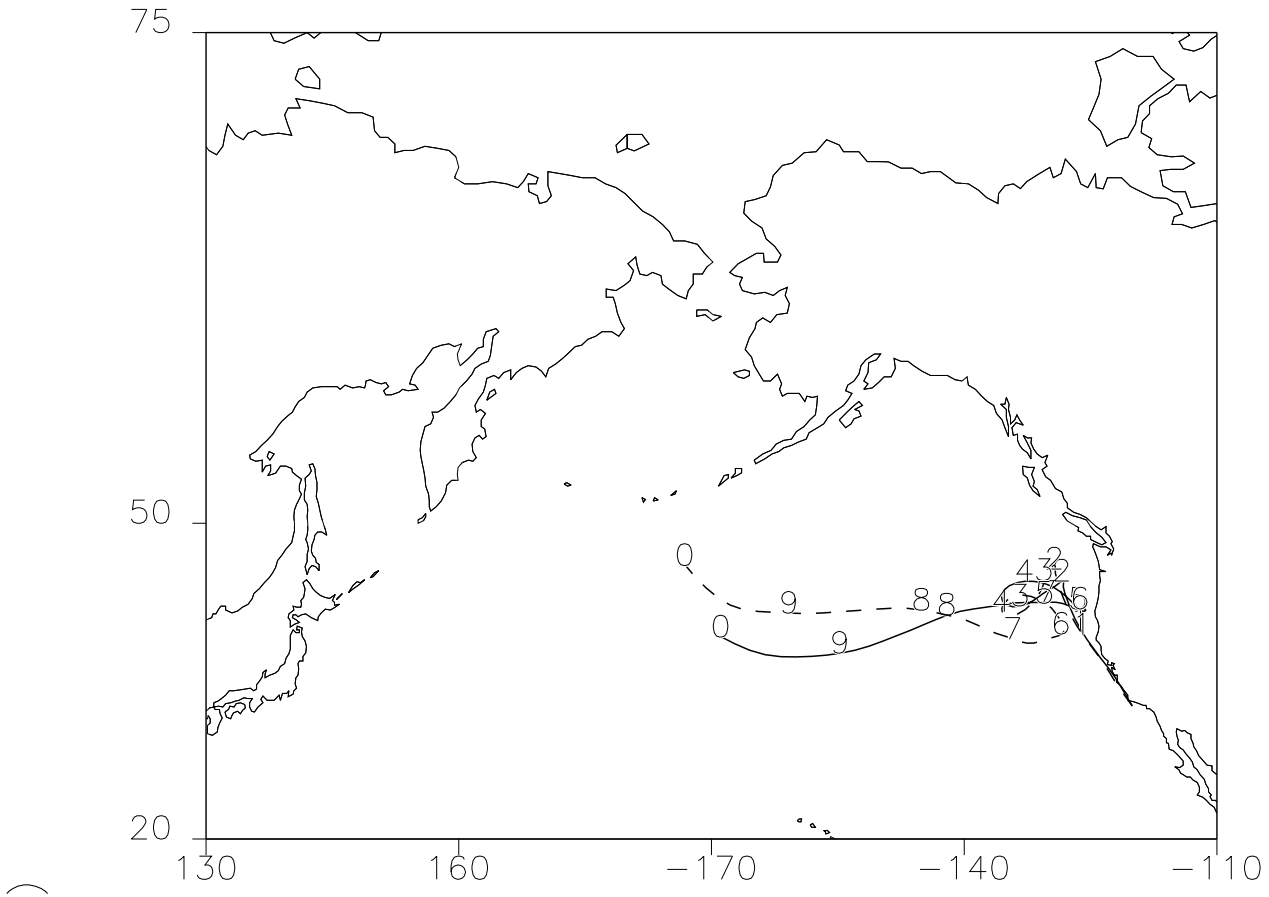
06UT

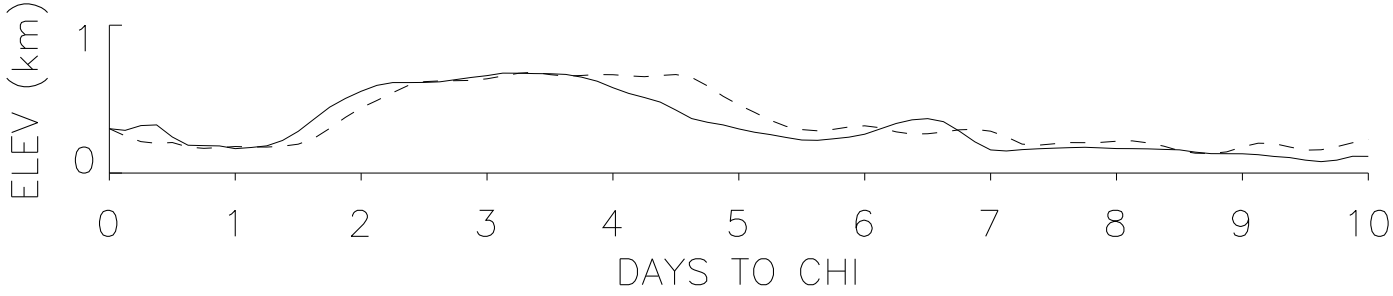
Day	km	hPa	C
0	0.3	977	14
1	0.2	993	10
2	0.7	943	7
3	0.8	919	4
4	0.6	943	9
5	0.4	966	9
6	0.6	942	6
7	0.1	1000	11
8	0.2	1000	10
9	0.1	1000	13
10	0.1	999	15



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/11/2004 (Day of Year 132)
NCEP/NCAR Reanalysis 1 Data Set





12UT

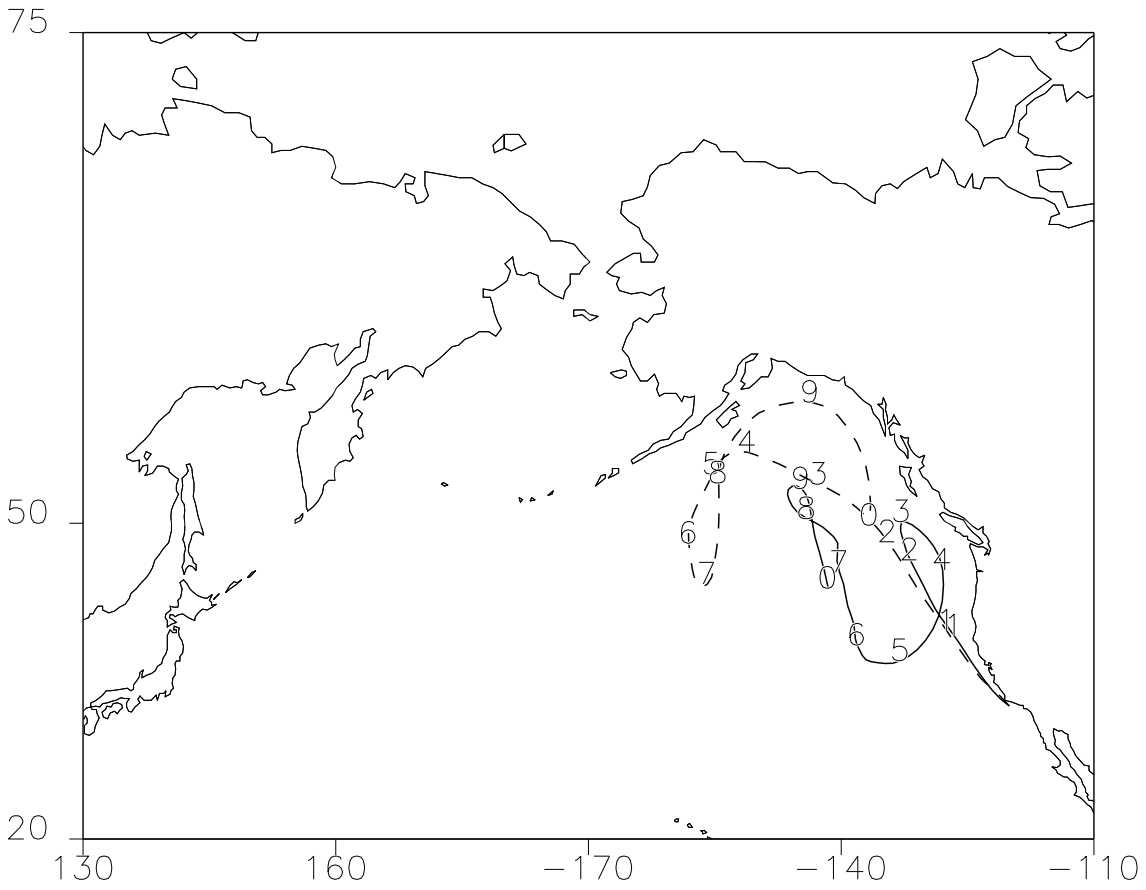
Day	km	hPa	C
0	0.3	977	13
1	0.2	1000	10
2	0.6	955	7
3	0.7	933	4
4	0.6	938	7
5	0.3	977	10
6	0.3	982	9
7	0.2	998	10
8	0.2	1000	8
9	0.1	996	10
10	0.1	994	7

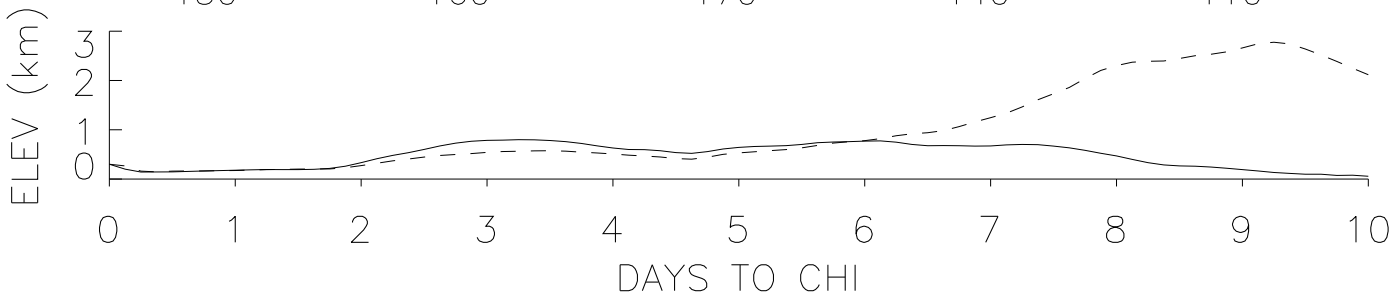
18UT

Day	km	hPa	C
0	0.3	979	16
1	0.2	1000	11
2	0.4	971	8
3	0.6	939	7
4	0.7	929	7
5	0.5	956	8
6	0.3	977	9
7	0.3	987	9
8	0.2	996	7
9	0.2	989	7
10	0.2	979	4

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/12/2004 (Day of Year 133)
NCEP/NCAR Reanalysis 1 Data Set





00UT

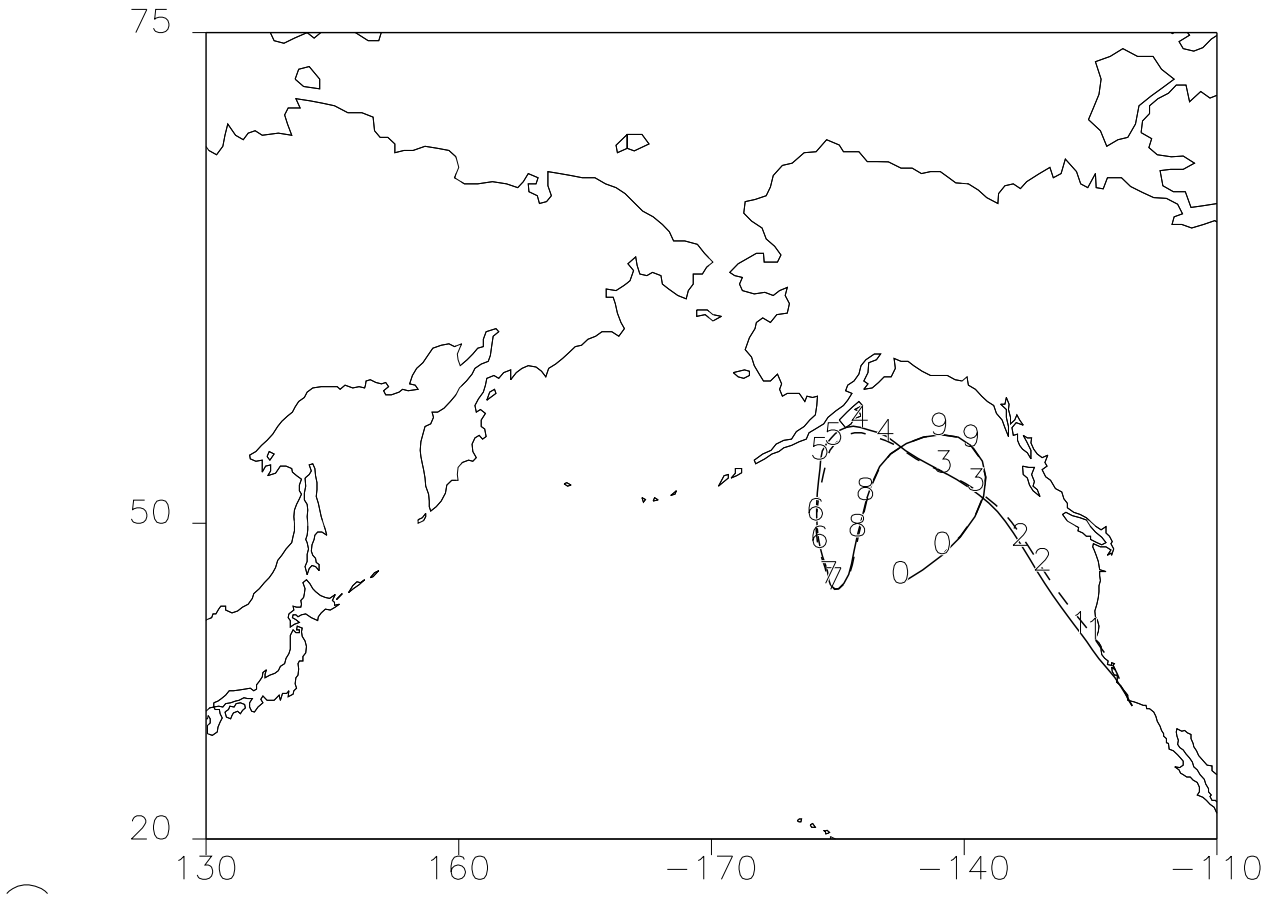
Day	km	hPa	C
0	0.3	976	17
1	0.2	1000	11
2	0.3	985	9
3	0.8	927	6
4	0.6	938	7
5	0.6	933	8
6	0.8	921	5
7	0.7	931	2
8	0.5	950	4
9	0.2	972	6
10	0.1	998	9

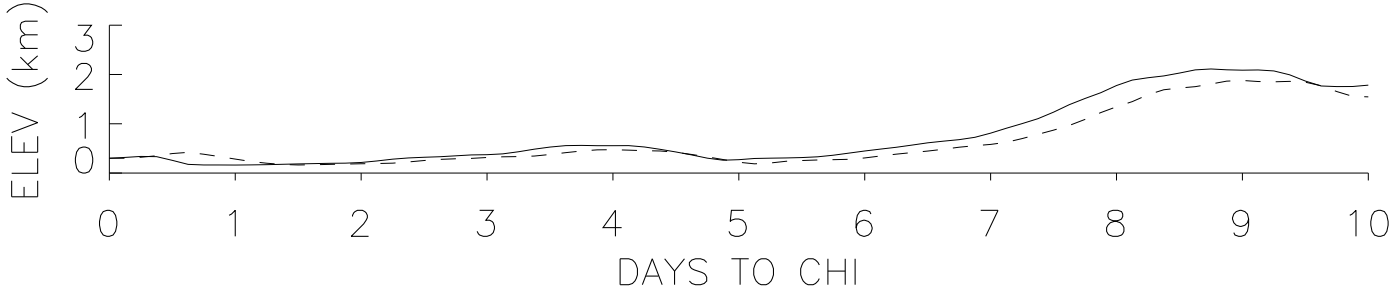
06UT

Day	km	hPa	C
0	0.3	977	14
1	0.2	1000	10
2	0.3	993	7
3	0.5	958	4
4	0.5	956	5
5	0.5	952	5
6	0.8	932	4
7	1.2	888	5
8	2.3	769	−6
9	2.7	723	−9
10	2.1	780	−2

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/12/2004 (Day of Year 133)
NCEP/NCAR Reanalysis 1 Data Set





12UT

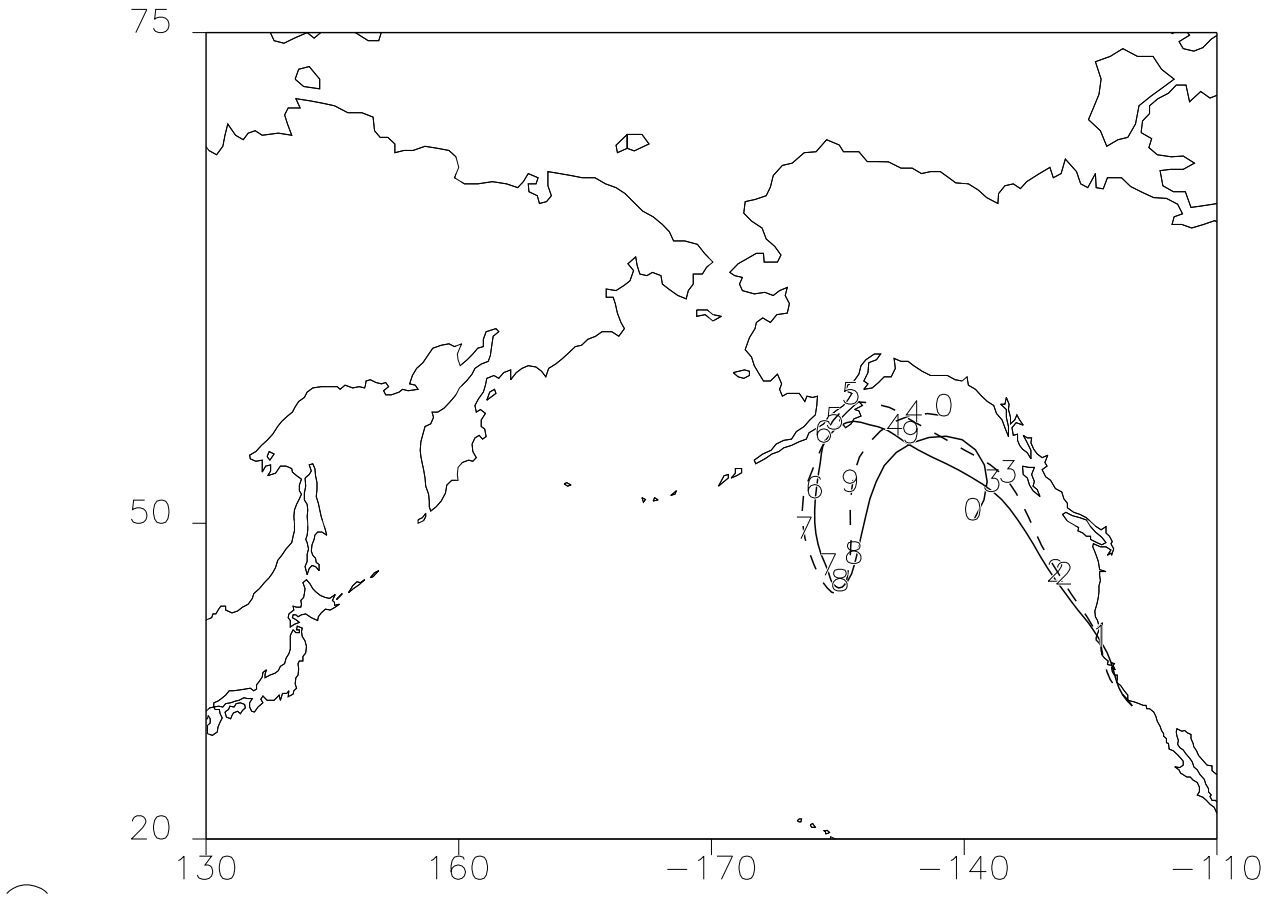
Day	km	hPa	C
0	0.3	978	12
1	0.2	1000	10
2	0.2	998	7
3	0.4	977	5
4	0.6	950	6
5	0.3	981	6
6	0.4	970	5
7	0.8	936	5
8	1.8	823	−4
9	2.1	776	−6
10	1.8	802	−2

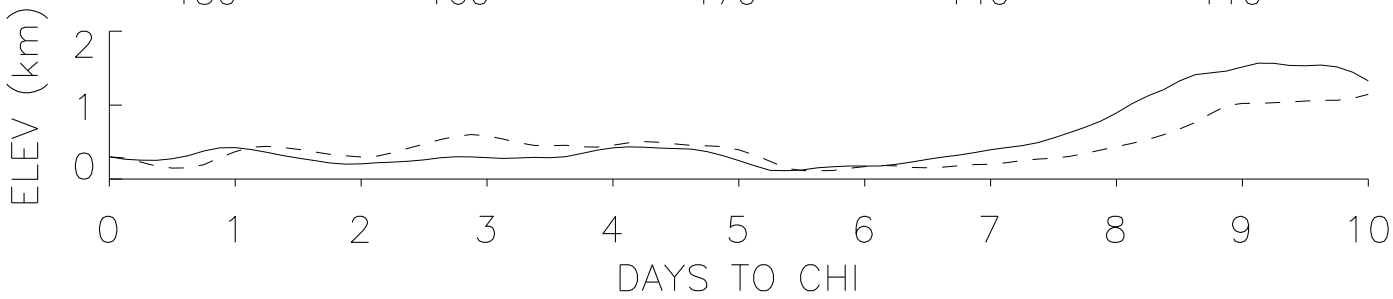
18UT

Day	km	hPa	C
0	0.3	980	16
1	0.3	985	11
2	0.2	1000	9
3	0.3	987	5
4	0.5	961	5
5	0.2	988	5
6	0.3	983	4
7	0.6	960	5
8	1.3	873	−1
9	1.9	800	−5
10	1.5	830	−1

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/13/2004 (Day of Year 134)
NCEP/NCAR Reanalysis 1 Data Set





00UT

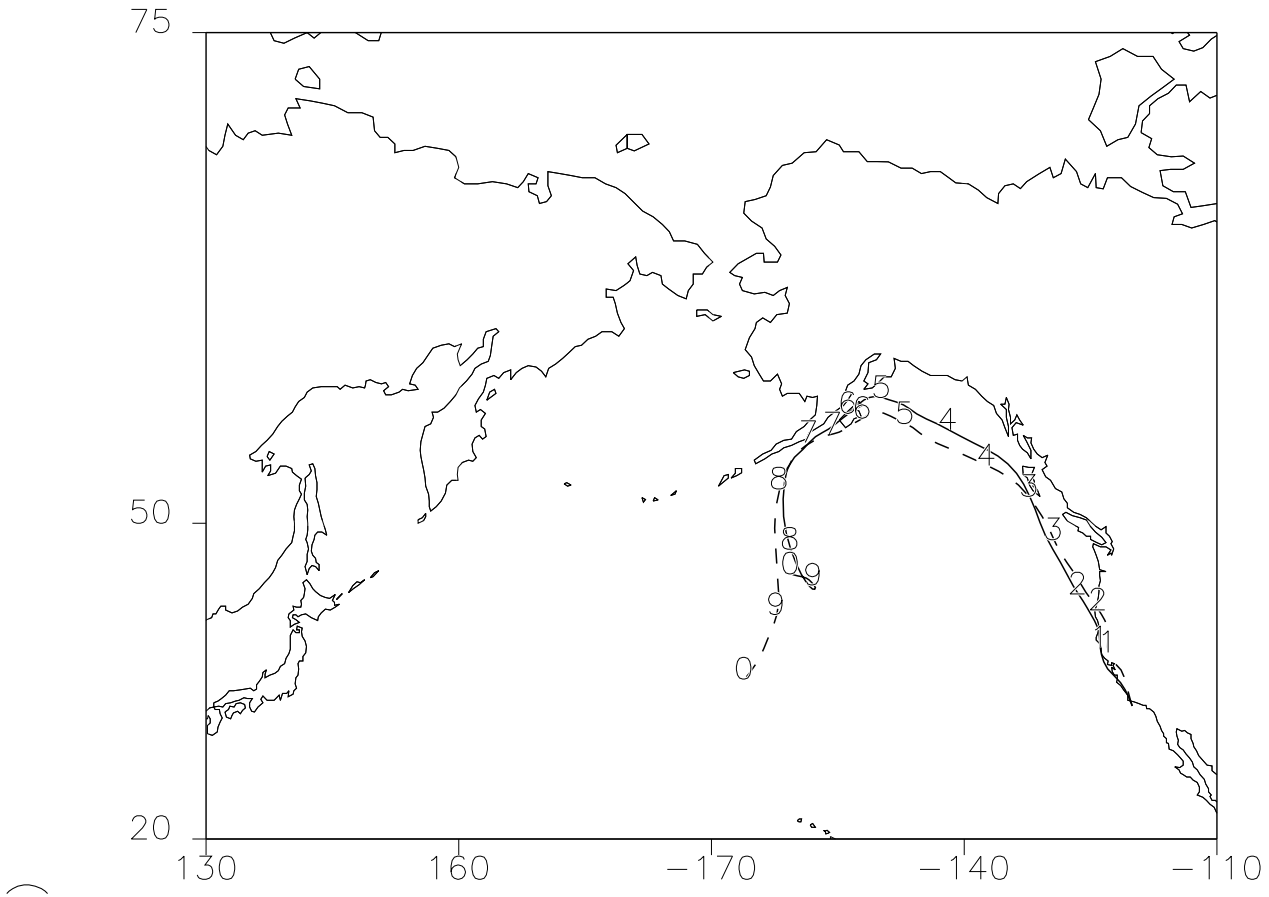
Day	km	hPa	C
0	0.3	978	17
1	0.4	967	12
2	0.2	996	9
3	0.3	990	6
4	0.4	969	6
5	0.2	985	8
6	0.2	997	6
7	0.4	981	5
8	0.9	926	2
9	1.5	841	−3
10	1.3	854	0

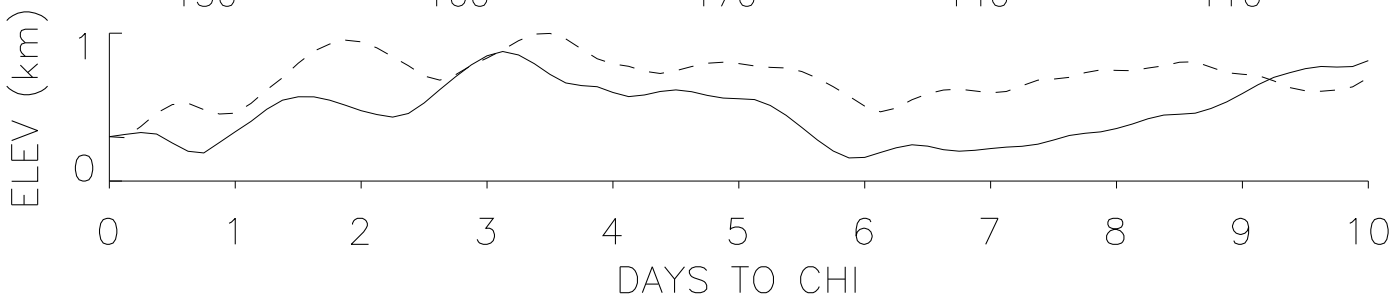
06UT

Day	km	hPa	C
0	0.3	979	15
1	0.4	975	11
2	0.3	983	9
3	0.6	953	3
4	0.5	964	5
5	0.4	968	9
6	0.2	993	7
7	0.2	1000	6
8	0.4	980	5
9	1.0	902	1
10	1.1	875	0

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/13/2004 (Day of Year 134)
NCEP/NCAR Reanalysis 1 Data Set





12UT

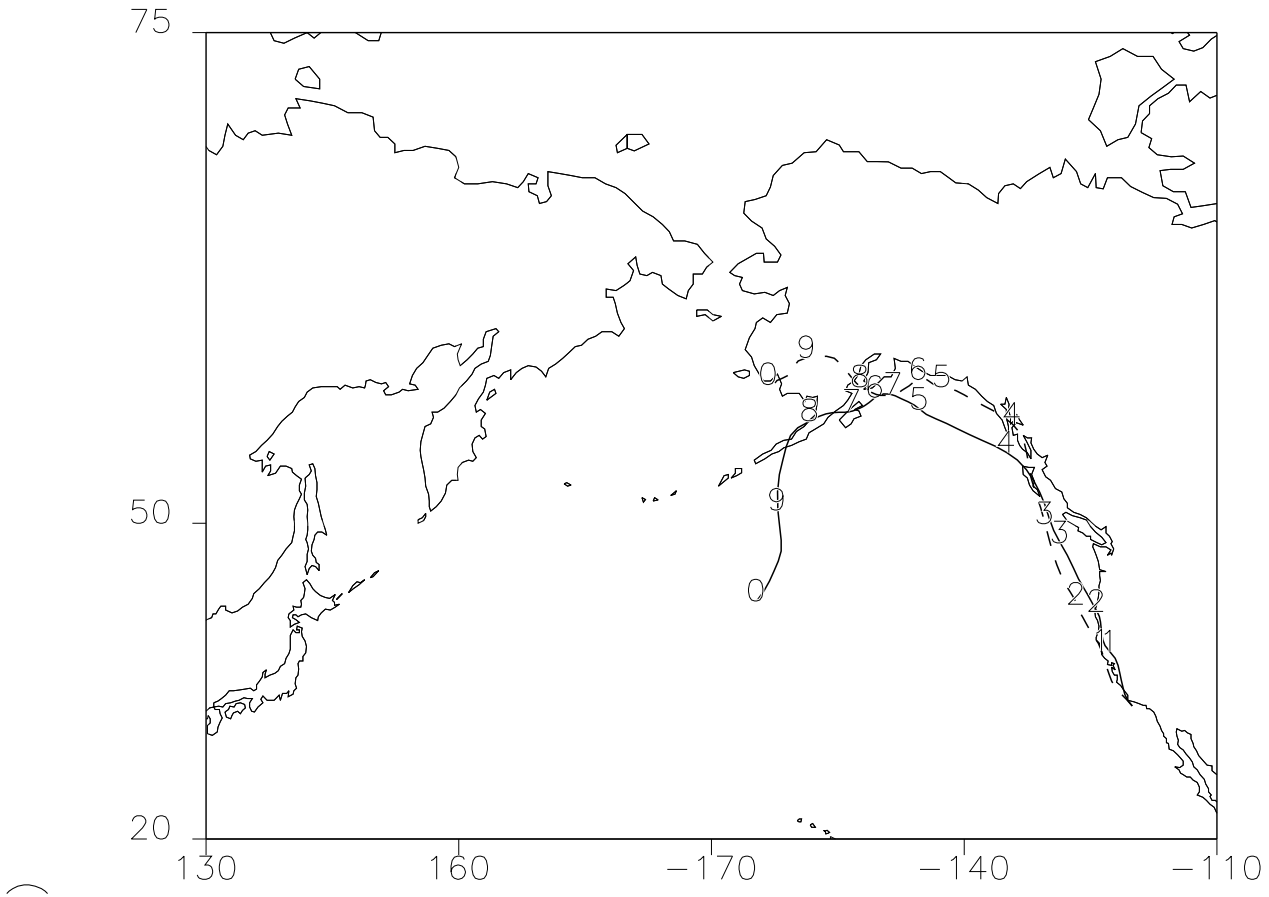
Day	km	hPa	C
0	0.3	980	12
1	0.3	980	9
2	0.5	960	7
3	0.8	921	1
4	0.6	946	4
5	0.6	948	9
6	0.2	994	9
7	0.2	991	7
8	0.4	987	8
9	0.6	960	6
10	0.8	924	4

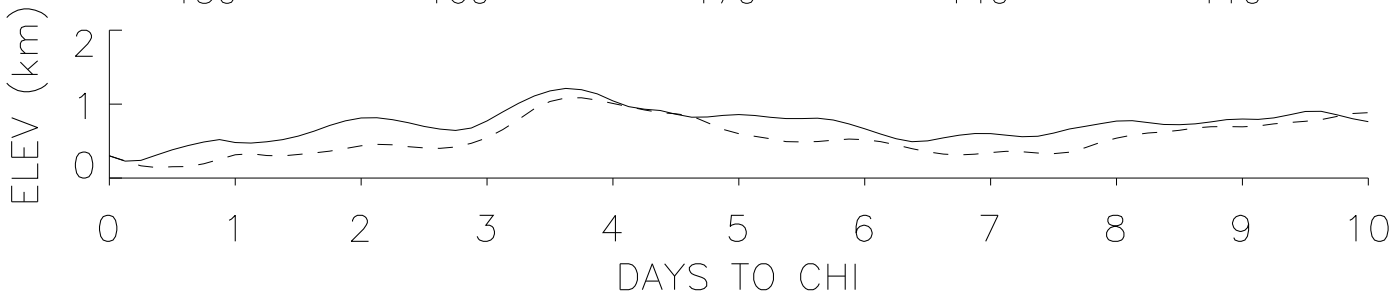
18UT

Day	km	hPa	C
0	0.3	981	18
1	0.5	965	14
2	0.9	909	6
3	0.8	921	3
4	0.8	927	3
5	0.8	922	7
6	0.5	954	8
7	0.6	945	8
8	0.7	937	10
9	0.7	944	11
10	0.7	944	12

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/14/2004 (Day of Year 135)
NCEP/NCAR Reanalysis 1 Data Set





00UT

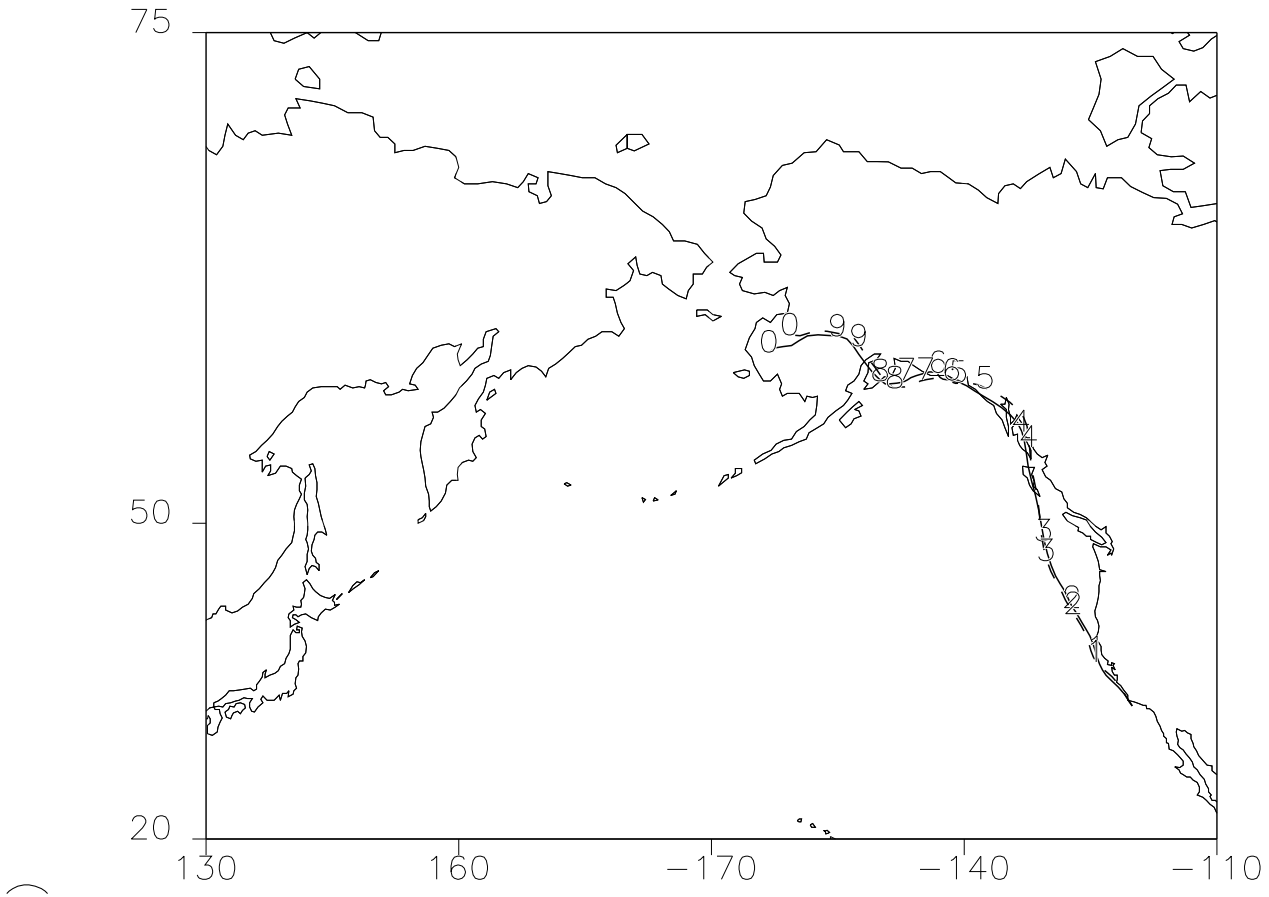
Day	km	hPa	C
0	0.3	979	19
1	0.5	959	17
2	0.8	924	9
3	0.8	926	4
4	1.0	898	2
5	0.9	916	6
6	0.7	936	11
7	0.6	944	12
8	0.8	932	10
9	0.8	935	9
10	0.8	935	9

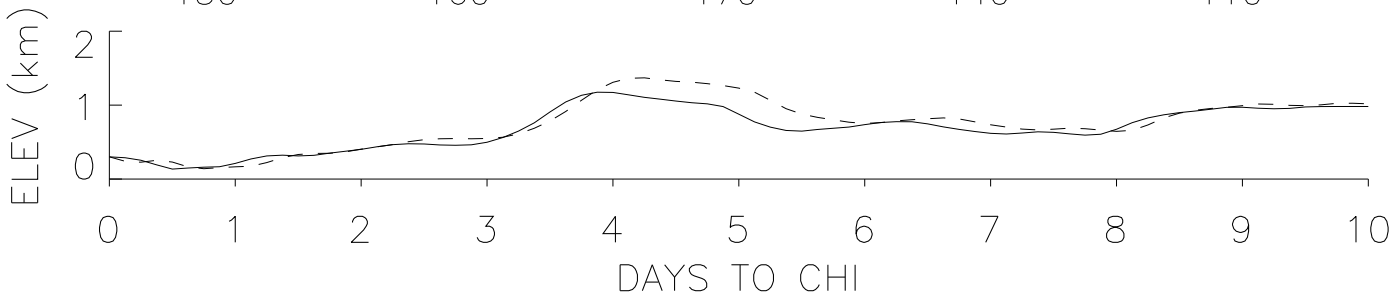
06UT

Day	km	hPa	C
0	0.3	979	17
1	0.3	981	12
2	0.4	969	9
3	0.5	954	6
4	1.0	900	2
5	0.6	943	6
6	0.5	951	10
7	0.3	972	11
8	0.5	954	12
9	0.7	944	9
10	0.9	921	6

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/14/2004 (Day of Year 135)
NCEP/NCAR Reanalysis 1 Data Set





12UT

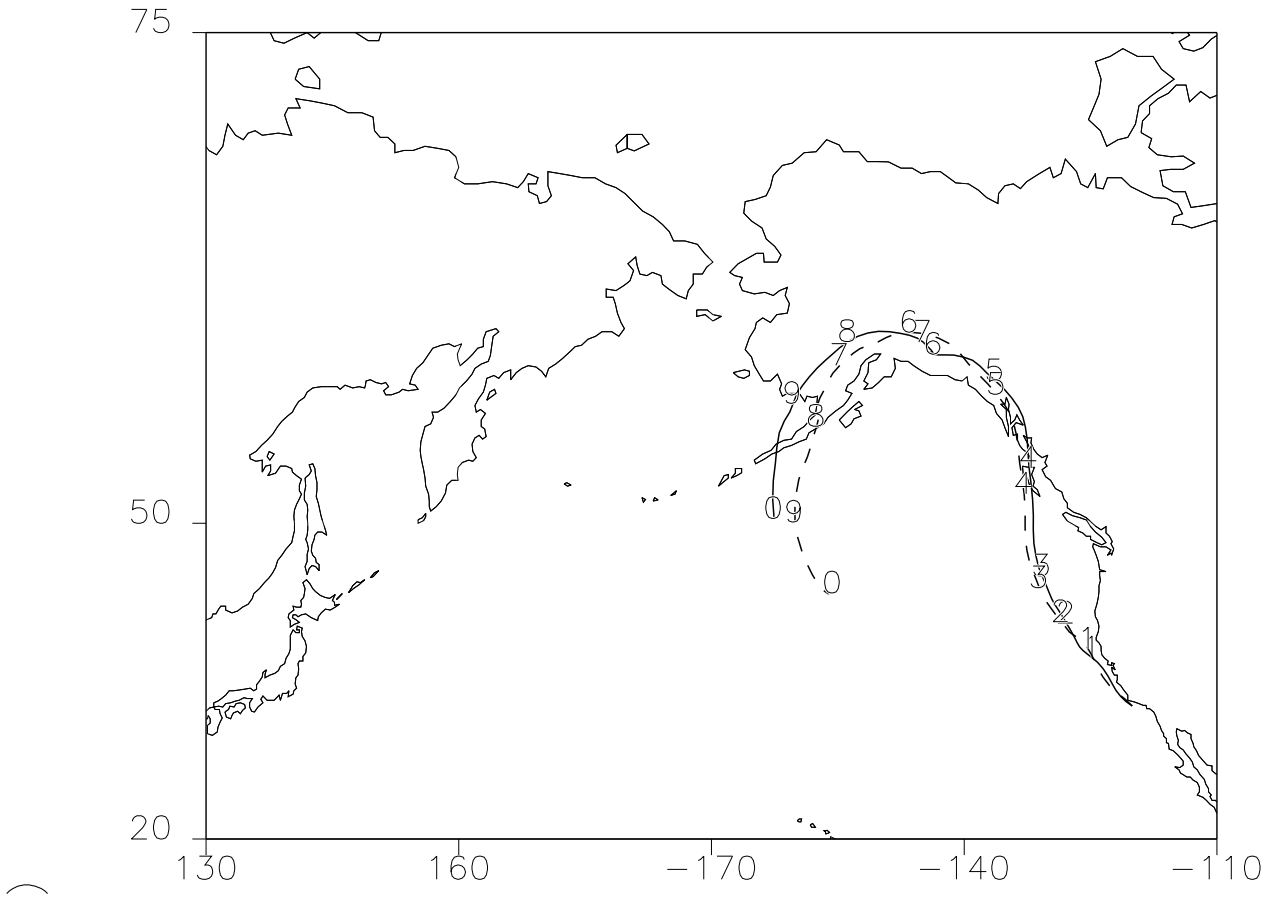
Day	km	hPa	C
0	0.3	979	18
1	0.2	994	10
2	0.4	973	8
3	0.5	960	7
4	1.2	884	0
5	0.9	911	2
6	0.7	927	5
7	0.6	941	9
8	0.7	936	13
9	1.0	910	10
10	1.0	912	7

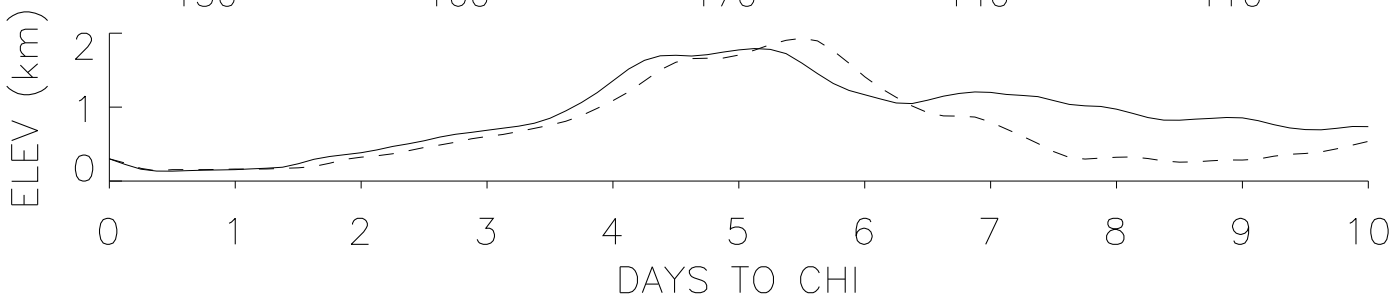
18UT

Day	km	hPa	C
0	0.3	980	21
1	0.2	1000	15
2	0.4	975	9
3	0.5	956	8
4	1.3	870	0
5	1.2	873	1
6	0.8	925	6
7	0.7	927	8
8	0.6	938	11
9	1.0	904	8
10	1.0	909	8

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/15/2004 (Day of Year 136)
NCEP/NCAR Reanalysis 1 Data Set





00UT

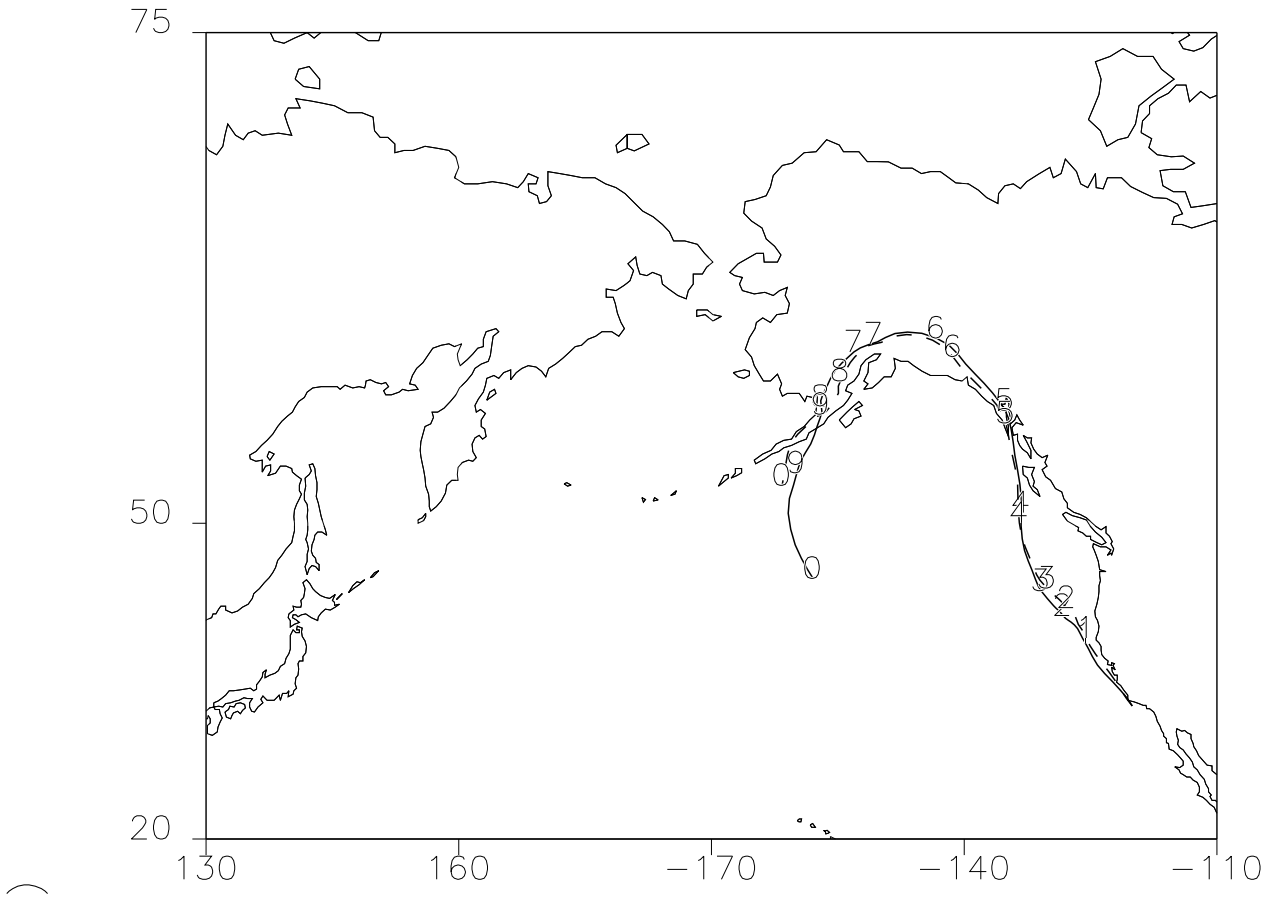
Day	km	hPa	C
0	0.3	978	22
1	0.2	1000	15
2	0.4	976	8
3	0.7	942	7
4	1.4	865	3
5	1.8	817	−2
6	1.2	880	4
7	1.2	877	6
8	1.0	901	9
9	0.9	922	9
10	0.7	941	10

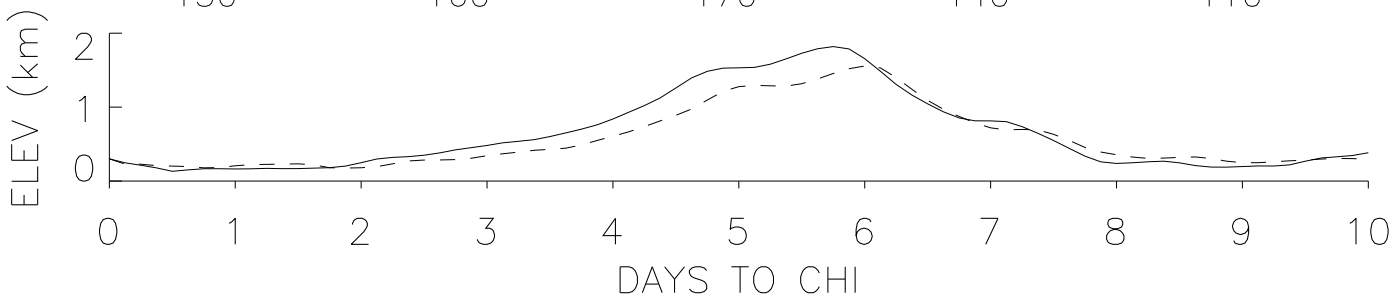
06UT

Day	km	hPa	C
0	0.3	978	18
1	0.2	1000	12
2	0.3	983	8
3	0.6	951	6
4	1.1	895	5
5	1.7	825	−2
6	1.4	852	0
7	0.8	920	9
8	0.3	974	8
9	0.3	988	6
10	0.5	968	6

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/15/2004 (Day of Year 136)
NCEP/NCAR Reanalysis 1 Data Set





12UT

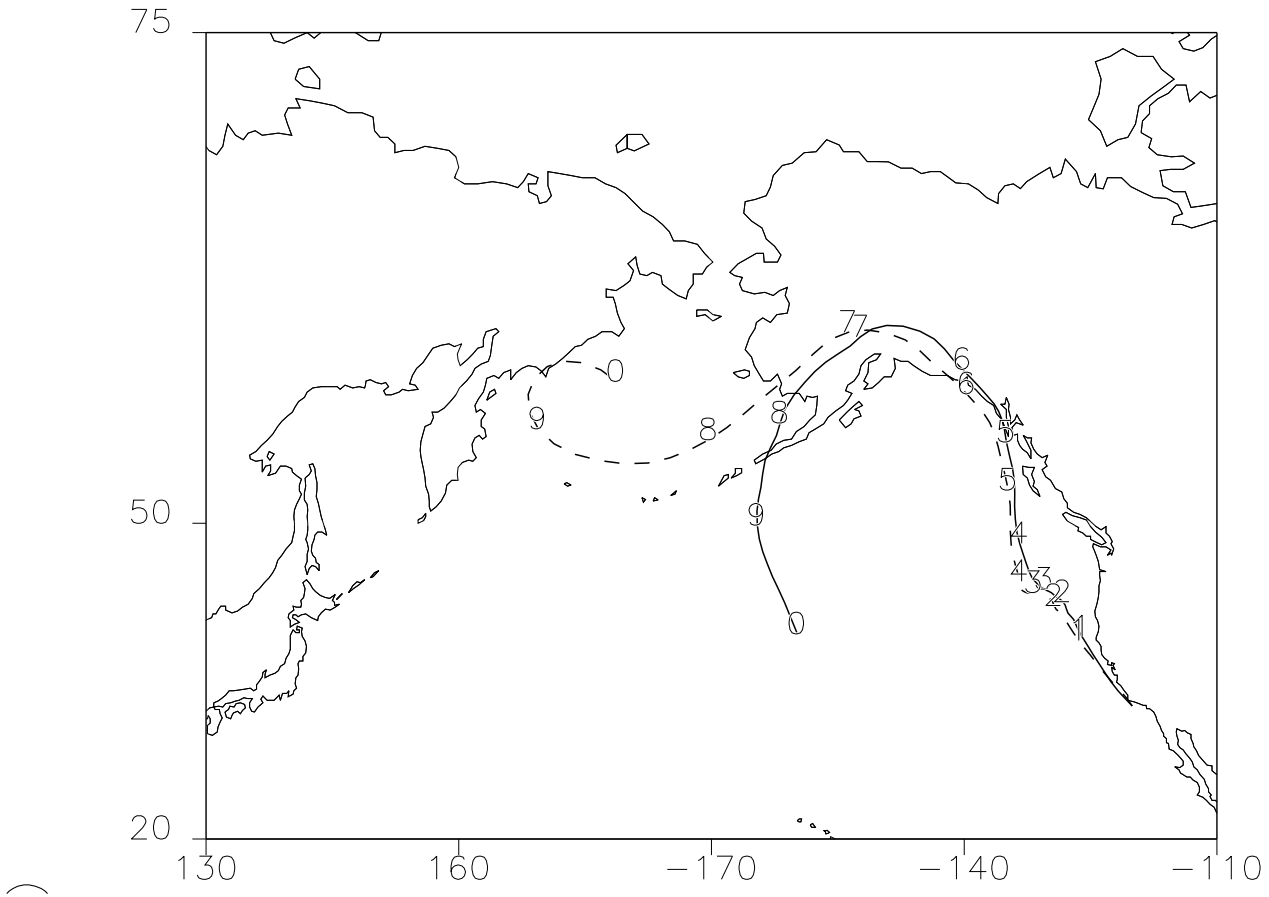
Day	km	hPa	C
0	0.3	978	14
1	0.2	1000	12
2	0.2	991	9
3	0.5	965	7
4	0.8	924	5
5	1.5	846	−1
6	1.7	826	−3
7	0.8	918	7
8	0.2	984	8
9	0.2	995	6
10	0.4	985	7

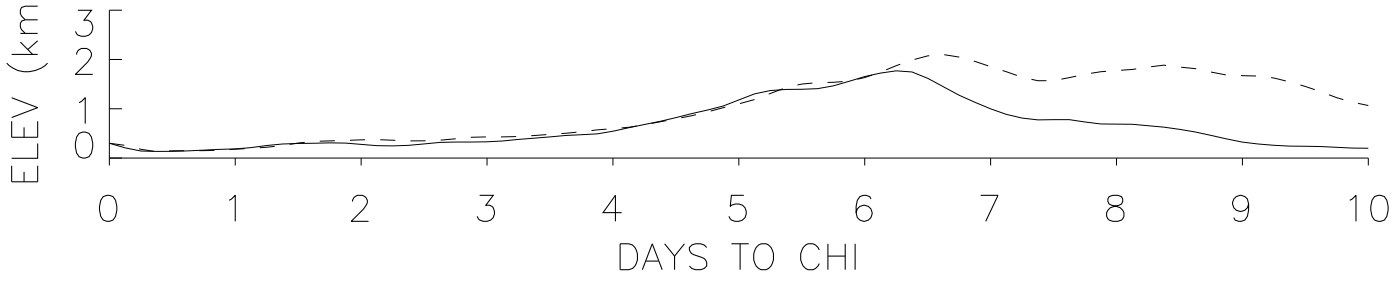
18UT

Day	km	hPa	C
0	0.3	979	19
1	0.2	996	14
2	0.2	1000	10
3	0.3	982	8
4	0.6	951	7
5	1.3	875	1
6	1.6	839	−2
7	0.7	928	4
8	0.4	970	9
9	0.2	985	7
10	0.3	990	7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/16/2004 (Day of Year 137)
NCEP/NCAR Reanalysis 1 Data Set





00UT

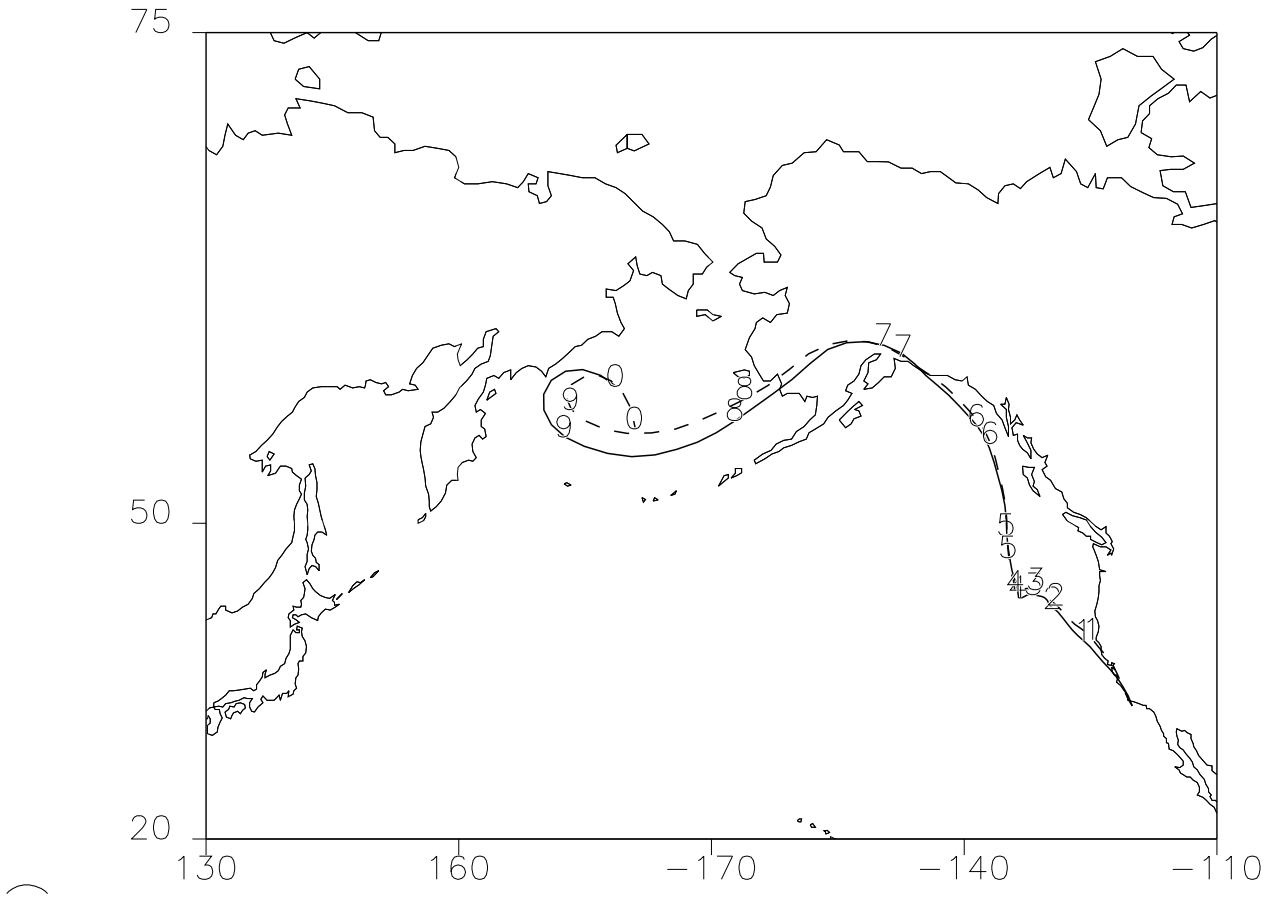
Day	km	hPa	C
0	0.3	977	19
1	0.2	997	14
2	0.3	988	10
3	0.3	983	6
4	0.5	960	8
5	1.2	886	4
6	1.7	831	−1
7	1.0	898	2
8	0.7	931	3
9	0.3	971	7
10	0.2	999	11

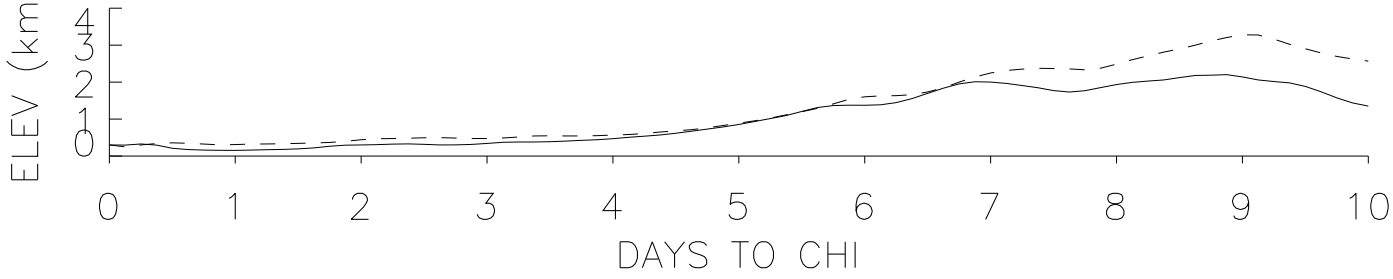
06UT

Day	km	hPa	C
0	0.3	977	17
1	0.2	998	11
2	0.4	977	9
3	0.4	970	7
4	0.6	953	6
5	1.1	895	6
6	1.6	835	−1
7	1.9	806	−5
8	1.8	807	−6
9	1.7	807	−6
10	1.1	874	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/16/2004 (Day of Year 137)
NCEP/NCAR Reanalysis 1 Data Set





12UT

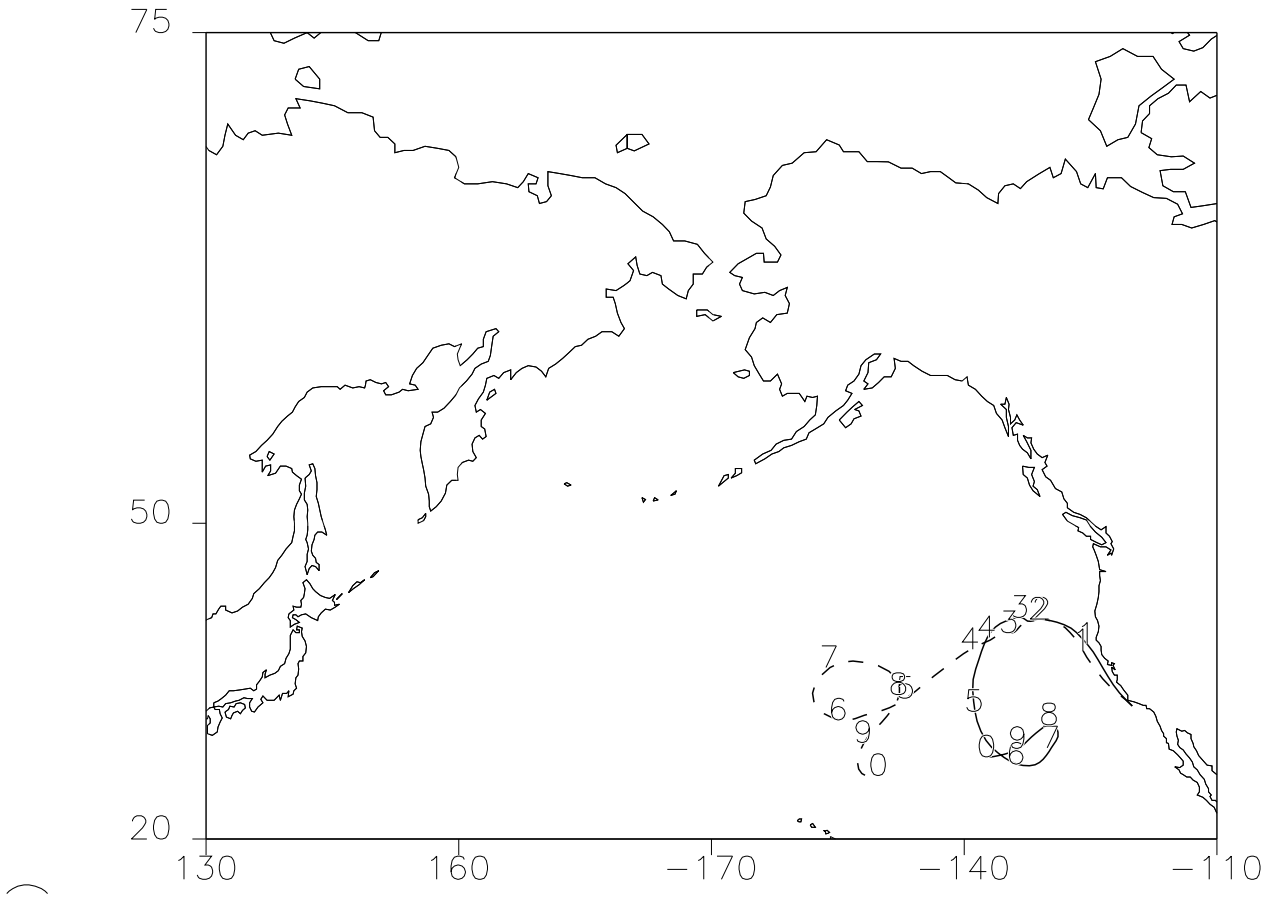
Day	km	hPa	C
0	0.3	976	14
1	0.2	1000	12
2	0.3	985	10
3	0.3	980	8
4	0.5	968	6
5	0.9	924	4
6	1.4	864	2
7	2.0	793	−6
8	1.9	794	−9
9	2.1	759	−9
10	1.4	839	−2

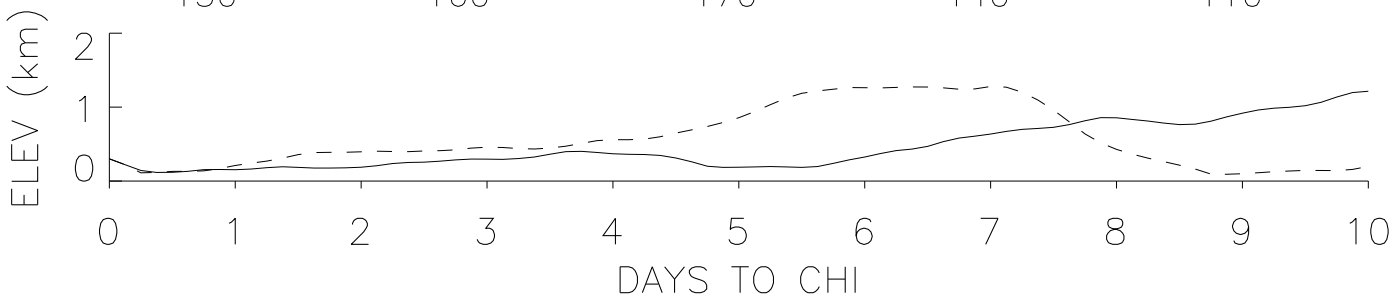
18UT

Day	km	hPa	C
0	0.3	977	18
1	0.3	982	14
2	0.4	970	9
3	0.5	965	7
4	0.6	957	7
5	0.9	921	5
6	1.6	842	2
7	2.2	771	−6
8	2.5	740	−11
9	3.3	653	−16
10	2.6	716	−12

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/17/2004 (Day of Year 138)
NCEP/NCAR Reanalysis 1 Data Set





00UT

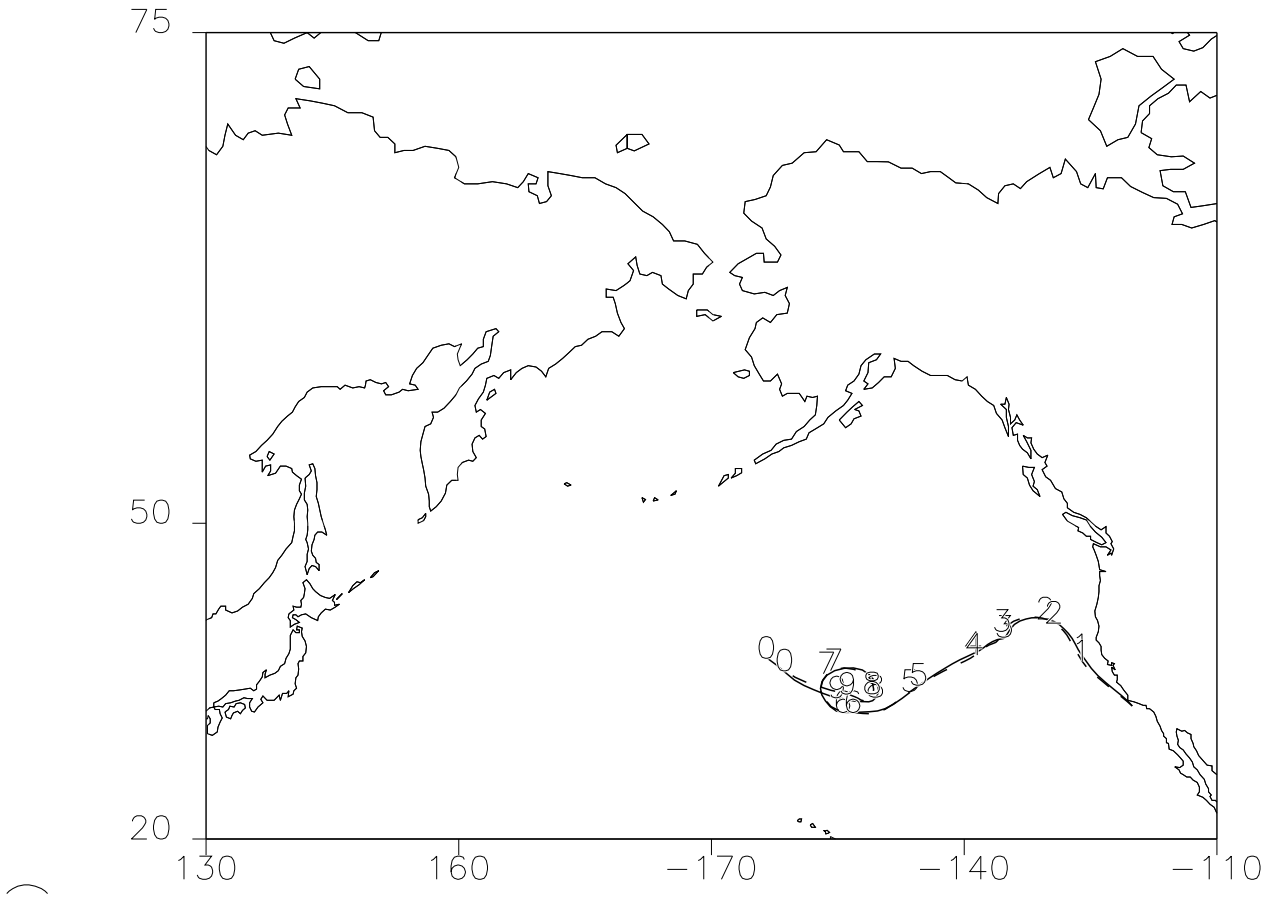
Day	km	hPa	C
0	0.3	975	18
1	0.2	1000	14
2	0.2	999	10
3	0.3	987	11
4	0.4	977	14
5	0.2	1000	18
6	0.3	984	17
7	0.6	949	13
8	0.9	924	11
9	0.9	915	10
10	1.2	880	9

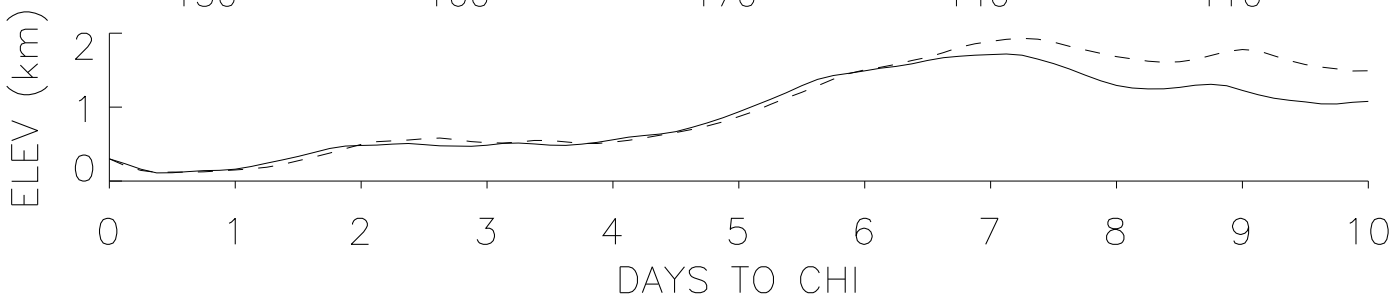
06UT

Day	km	hPa	C
0	0.3	977	16
1	0.2	994	12
2	0.4	974	10
3	0.5	968	12
4	0.6	955	12
5	0.9	918	11
6	1.3	868	7
7	1.3	864	4
8	0.4	956	13
9	0.1	1000	18
10	0.2	995	18

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/17/2004 (Day of Year 138)
NCEP/NCAR Reanalysis 1 Data Set





12UT

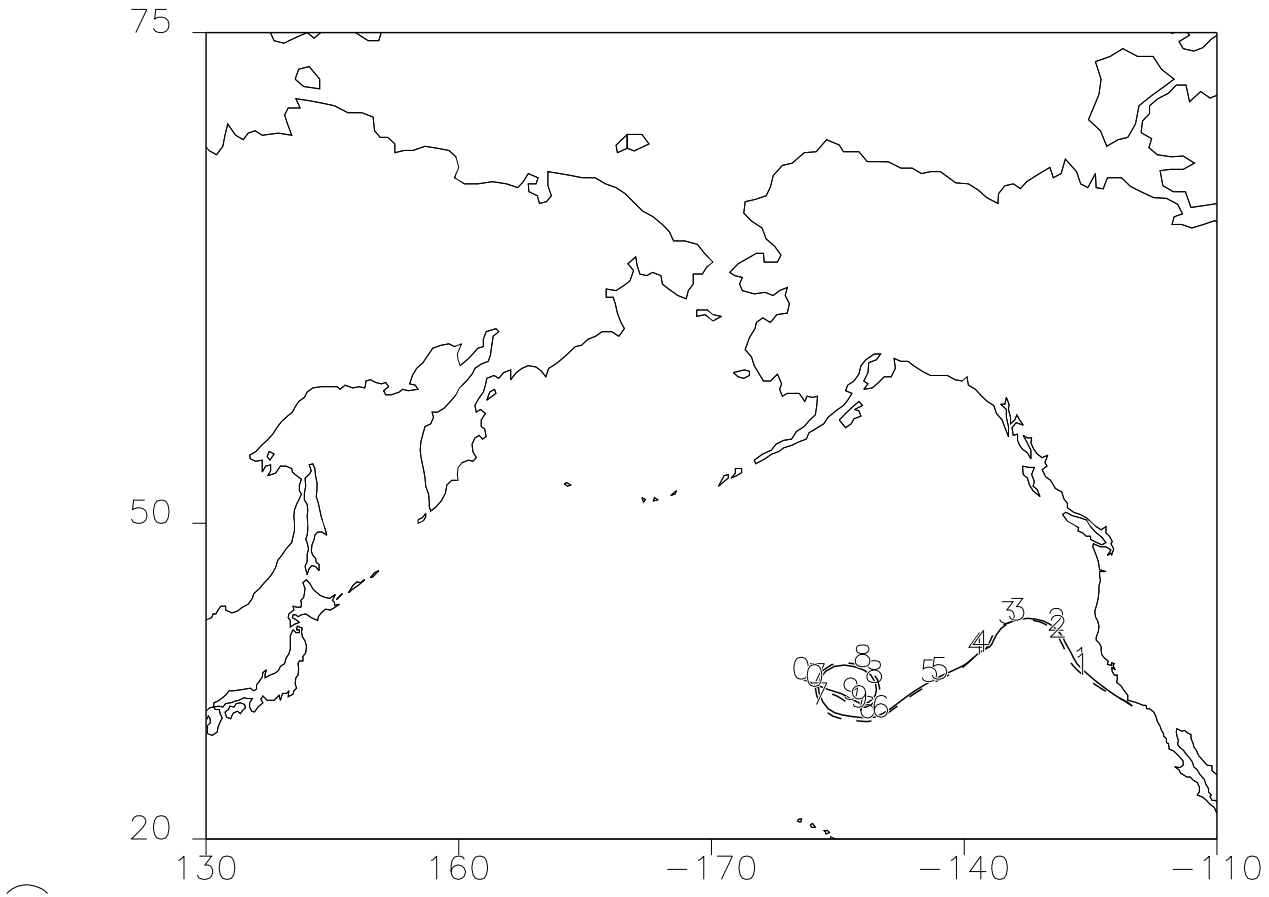
Day	km	hPa	C
0	0.3	977	15
1	0.2	998	13
2	0.5	963	10
3	0.5	964	13
4	0.6	956	13
5	0.9	911	10
6	1.5	845	4
7	1.7	819	1
8	1.3	860	6
9	1.2	869	5
10	1.1	889	6

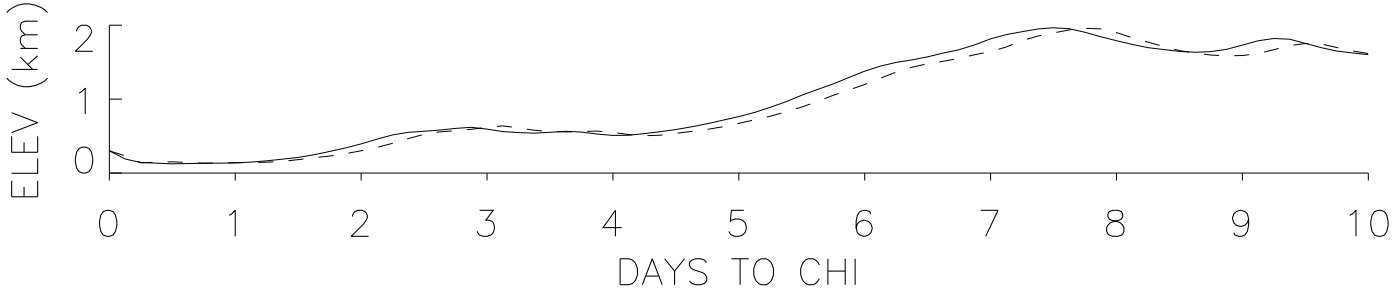
18UT

Day	km	hPa	C
0	0.3	980	16
1	0.2	1000	14
2	0.5	962	10
3	0.5	961	13
4	0.5	960	13
5	0.9	919	10
6	1.5	847	5
7	1.9	802	1
8	1.7	819	3
9	1.8	811	2
10	1.5	844	6

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/18/2004 (Day of Year 139)
NCEP/NCAR Reanalysis 1 Data Set





00UT

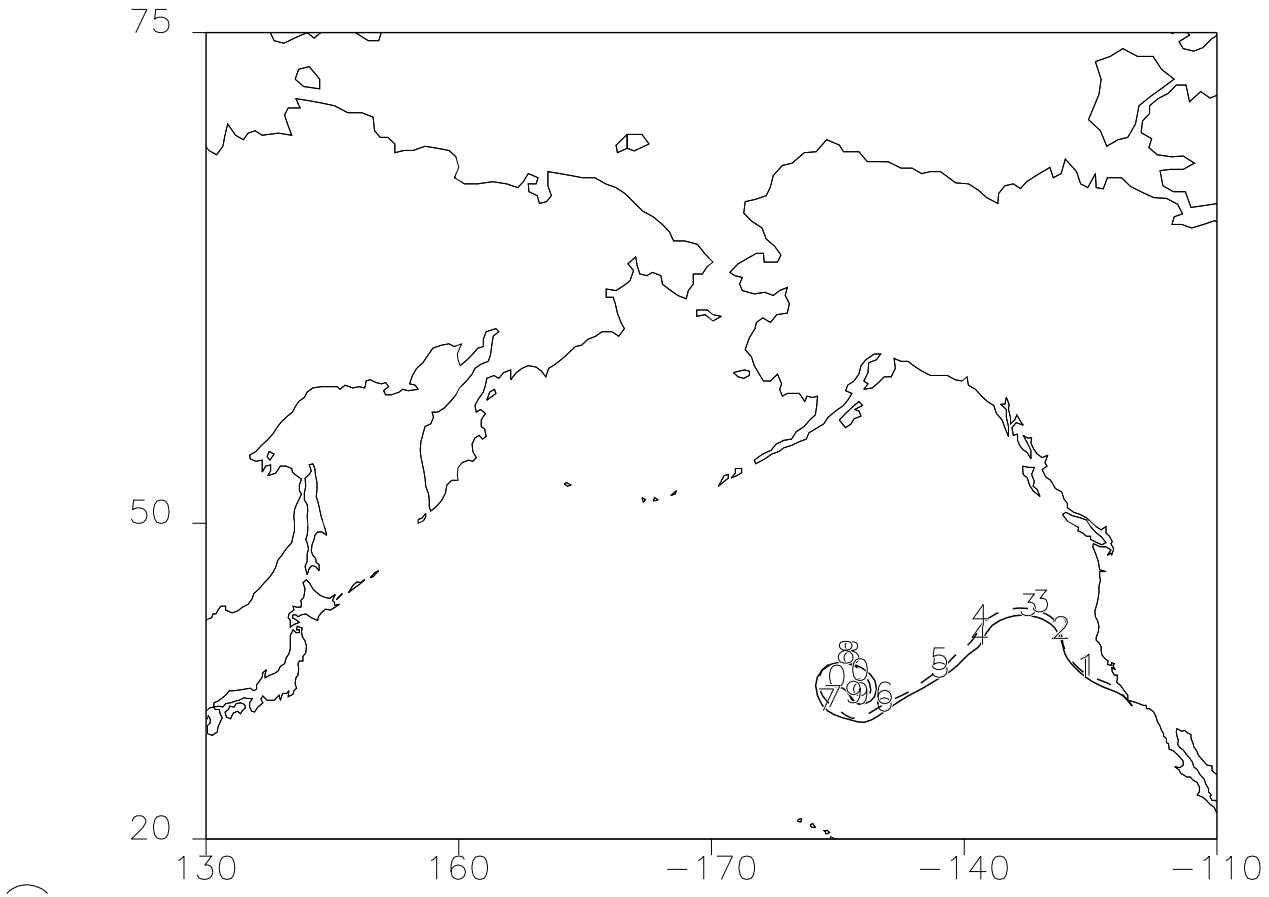
Day	km	hPa	C
0	0.3	980	16
1	0.1	1000	13
2	0.4	974	11
3	0.6	951	11
4	0.5	962	14
5	0.8	931	12
6	1.4	861	7
7	1.8	811	2
8	1.8	811	2
9	1.7	816	3
10	1.6	832	6

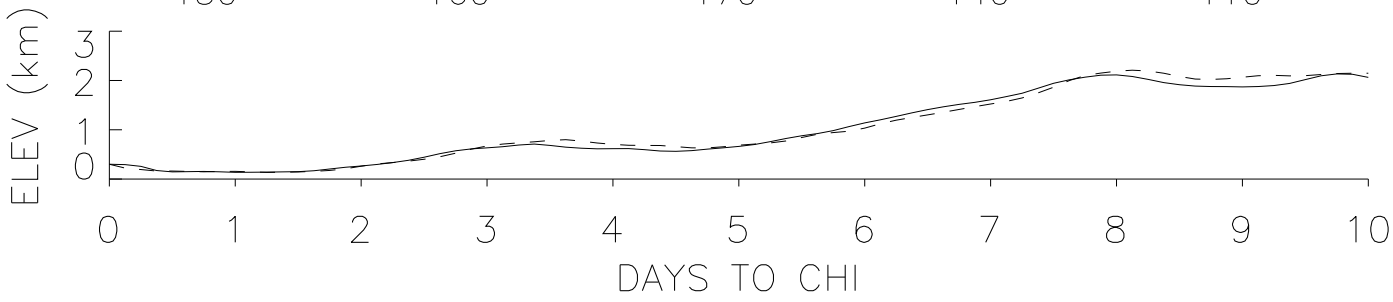
06UT

Day	km	hPa	C
0	0.3	982	15
1	0.1	1000	13
2	0.3	985	11
3	0.6	948	10
4	0.5	958	13
5	0.7	943	11
6	1.2	882	8
7	1.6	828	5
8	1.9	800	1
9	1.6	830	4
10	1.6	829	5

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/18/2004 (Day of Year 139)
NCEP/NCAR Reanalysis 1 Data Set





12UT

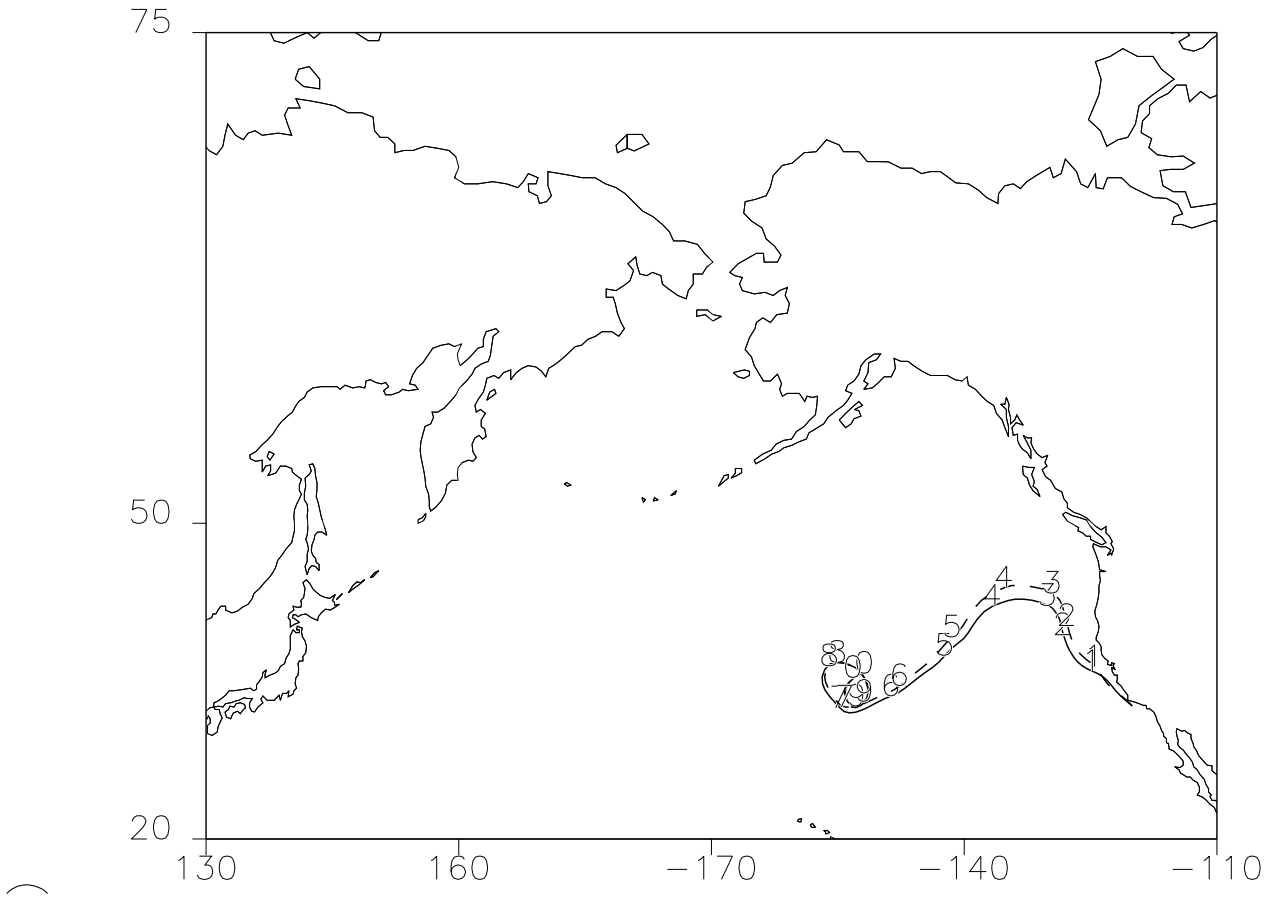
Day	km	hPa	C
0	0.3	982	14
1	0.1	1000	12
2	0.3	988	12
3	0.6	946	9
4	0.6	949	12
5	0.7	944	12
6	1.1	889	9
7	1.6	833	4
8	2.1	780	−1
9	1.9	801	2
10	2.1	783	1

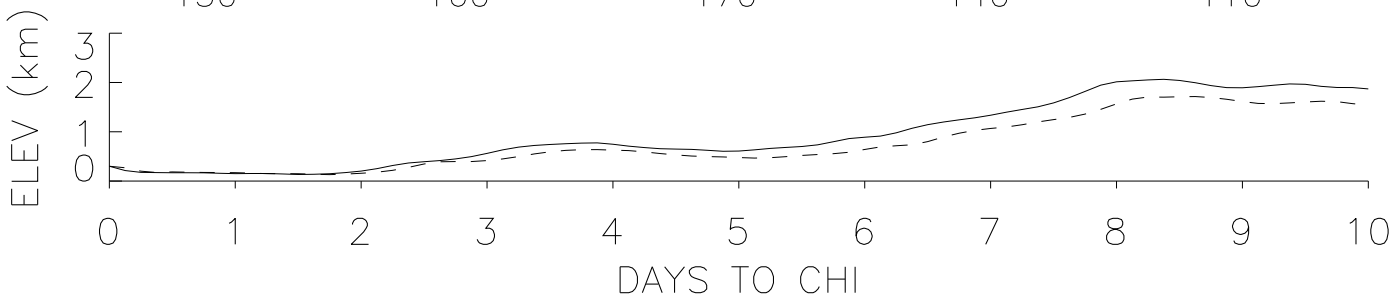
18UT

Day	km	hPa	C
0	0.3	984	16
1	0.2	1000	13
2	0.3	989	12
3	0.7	942	8
4	0.7	939	11
5	0.7	942	11
6	1.0	901	9
7	1.5	845	5
8	2.2	773	−1
9	2.1	782	1
10	2.1	775	1

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/19/2004 (Day of Year 140)
NCEP/NCAR Reanalysis 1 Data Set





00UT

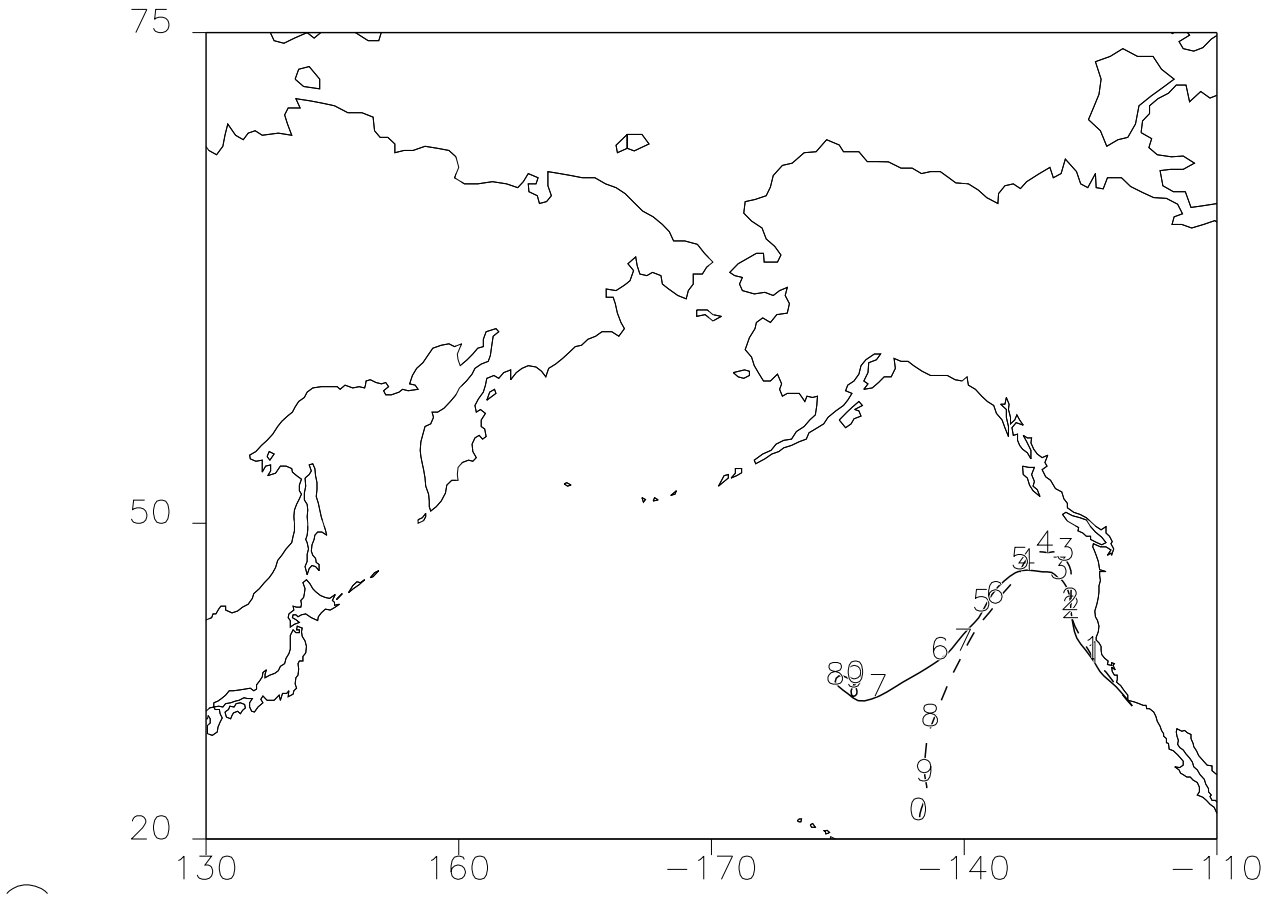
Day	km	hPa	C
0	0.3	982	16
1	0.2	1000	12
2	0.2	994	12
3	0.6	954	8
4	0.7	932	9
5	0.6	949	12
6	0.9	918	11
7	1.3	865	7
8	2.0	791	0
9	1.9	800	2
10	1.9	803	3

06UT

Day	km	hPa	C
0	0.3	982	15
1	0.2	1000	12
2	0.2	998	11
3	0.4	970	9
4	0.6	944	8
5	0.5	964	12
6	0.6	945	11
7	1.1	895	9
8	1.6	836	4
9	1.6	828	3
10	1.5	836	4

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/19/2004 (Day of Year 140)
NCEP/NCAR Reanalysis 1 Data Set

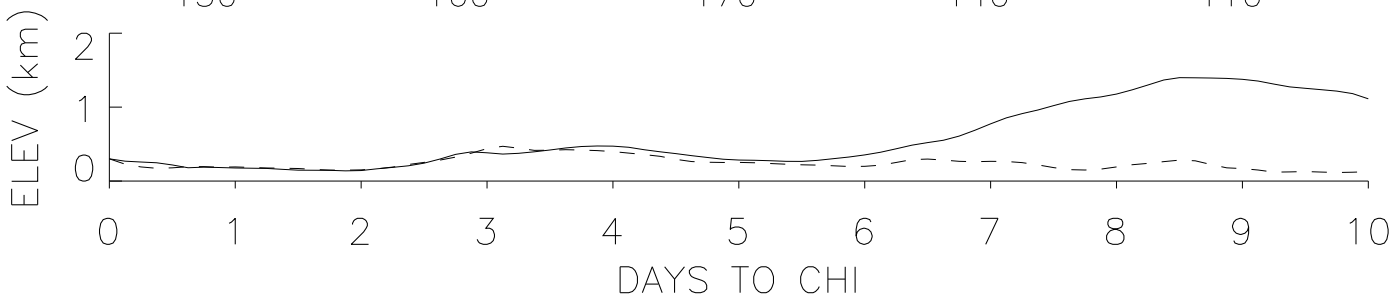


12UT

Day	km	hPa	C
0	0.3	980	13
1	0.2	1000	12
2	0.1	998	11
3	0.4	973	9
4	0.5	962	8
5	0.3	986	12
6	0.4	978	13
7	0.8	927	10
8	1.2	877	6
9	1.4	853	4
10	1.1	880	6

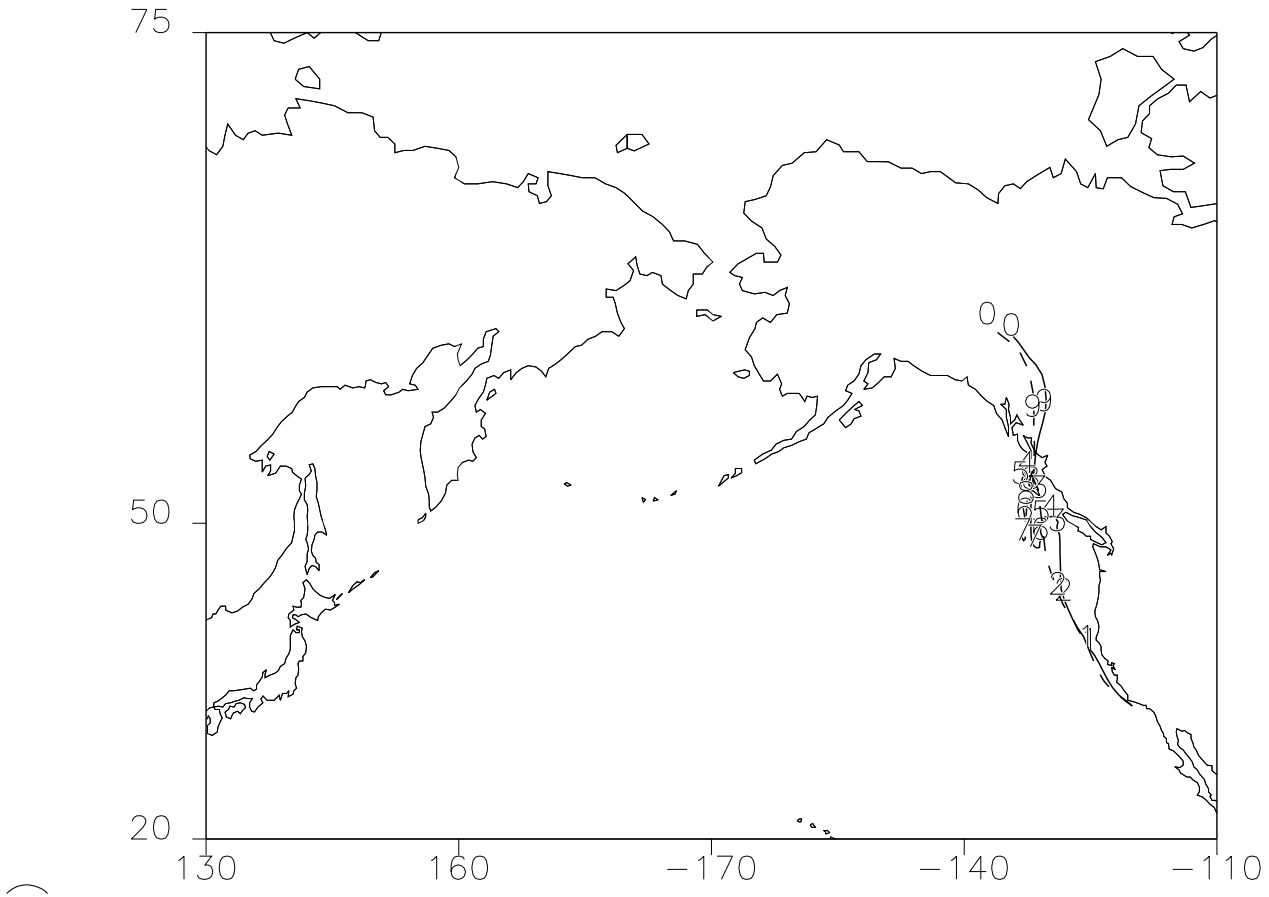
18UT

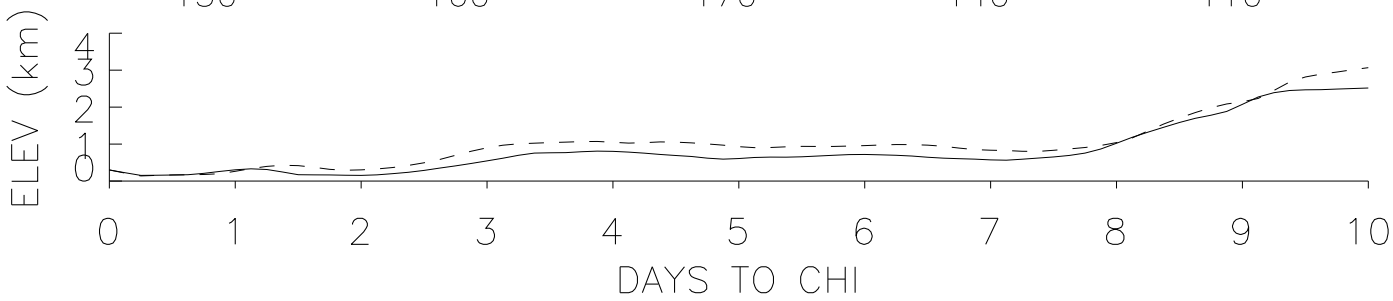
Day	km	hPa	C
0	0.3	982	16
1	0.2	1000	13
2	0.2	999	12
3	0.4	966	9
4	0.4	970	8
5	0.3	991	10
6	0.2	997	11
7	0.3	988	16
8	0.2	996	20
9	0.2	997	22
10	0.1	1000	23



12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/20/2004 (Day of Year 141)
NCEP/NCAR Reanalysis 1 Data Set





00UT

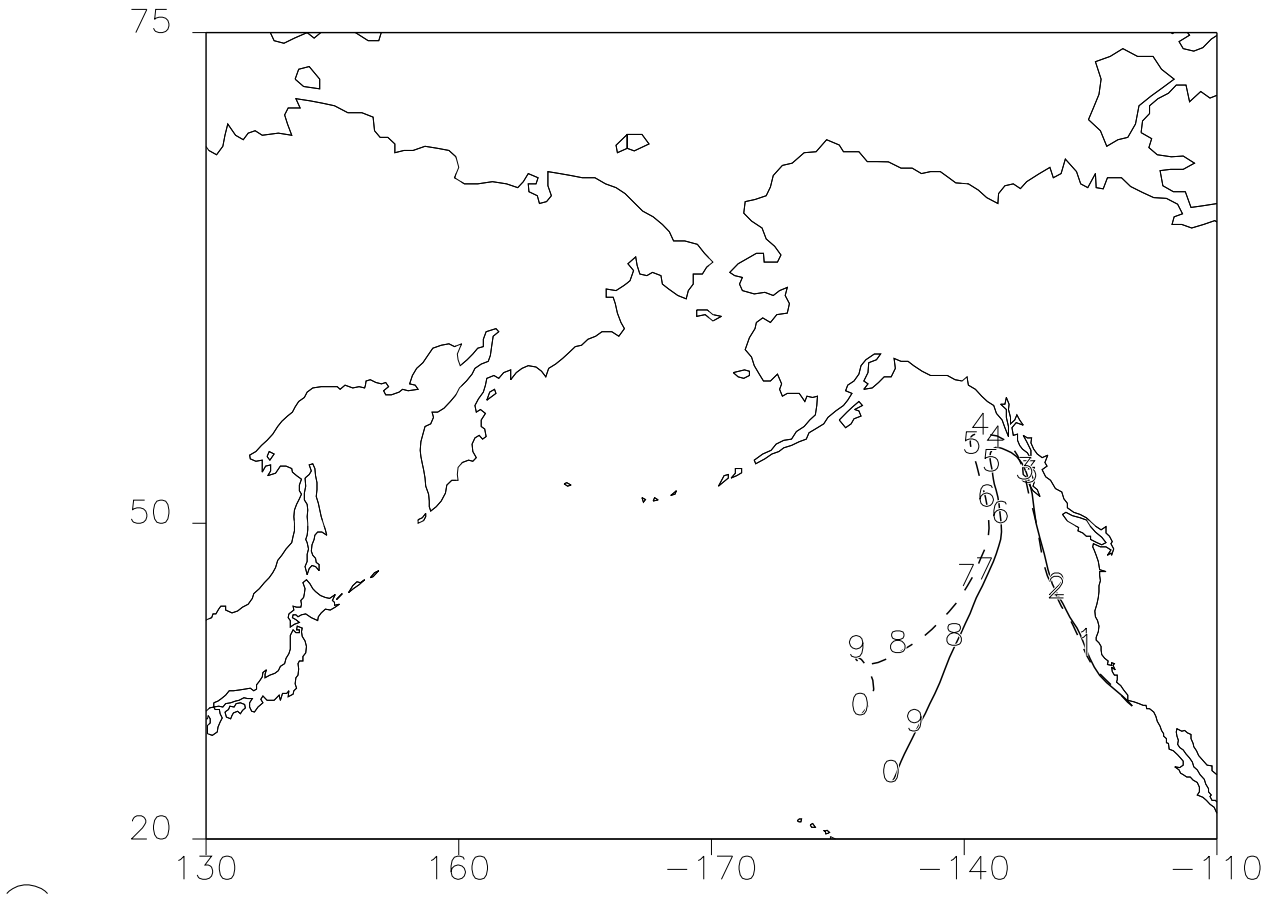
Day	km	hPa	C
0	0.3	980	15
1	0.3	986	12
2	0.2	1000	11
3	0.5	954	8
4	0.8	923	6
5	0.6	947	7
6	0.7	936	7
7	0.6	953	7
8	1.0	904	7
9	2.1	791	−4
10	2.5	741	−11

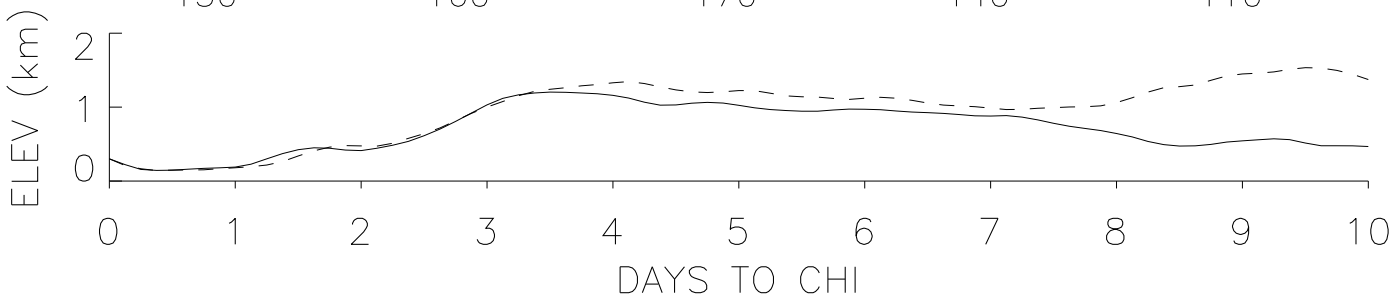
06UT

Day	km	hPa	C
0	0.3	981	14
1	0.3	992	11
2	0.3	984	10
3	0.9	915	5
4	1.0	896	3
5	0.9	908	4
6	1.0	908	6
7	0.8	923	5
8	1.0	901	8
9	2.1	785	−3
10	3.1	690	−15

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/20/2004 (Day of Year 141)
NCEP/NCAR Reanalysis 1 Data Set





12UT

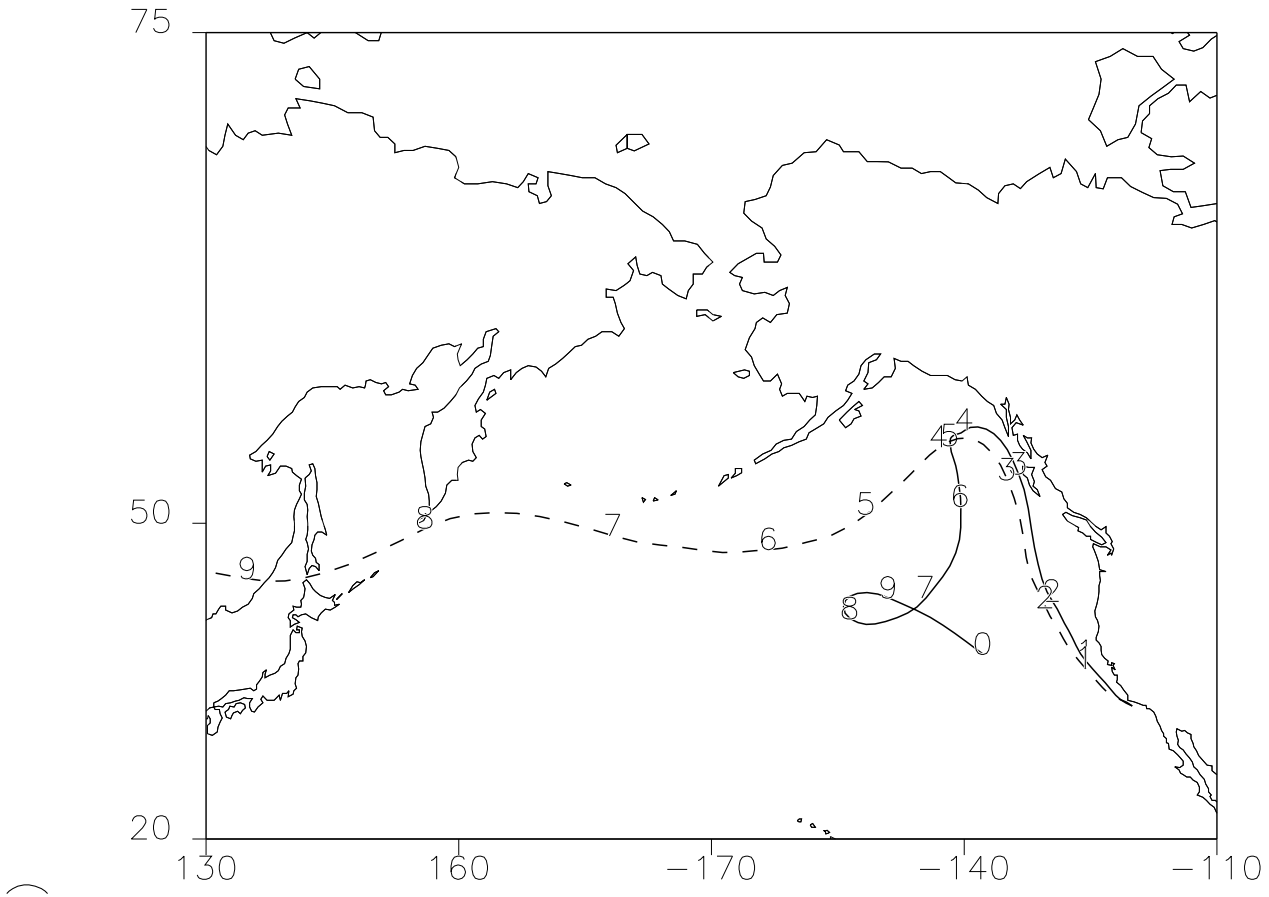
Day	km	hPa	C
0	0.3	980	13
1	0.2	999	11
2	0.4	971	10
3	1.0	902	4
4	1.2	883	1
5	1.0	897	4
6	1.0	905	6
7	0.9	916	6
8	0.6	943	13
9	0.5	952	16
10	0.5	960	18

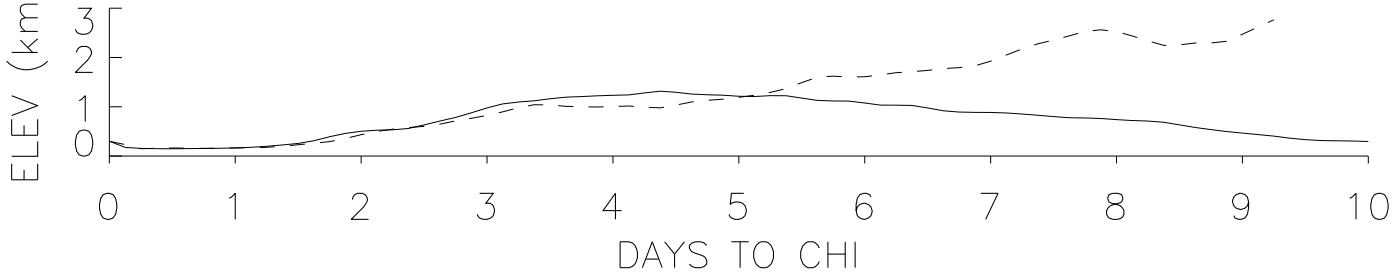
18UT

Day	km	hPa	C
0	0.3	982	14
1	0.2	1000	13
2	0.5	966	8
3	1.0	906	4
4	1.3	867	1
5	1.2	875	3
6	1.1	888	5
7	1.0	903	7
8	1.1	894	7
9	1.4	851	5
10	1.4	856	5

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/21/2004 (Day of Year 142)
NCEP/NCAR Reanalysis 1 Data Set





00UT

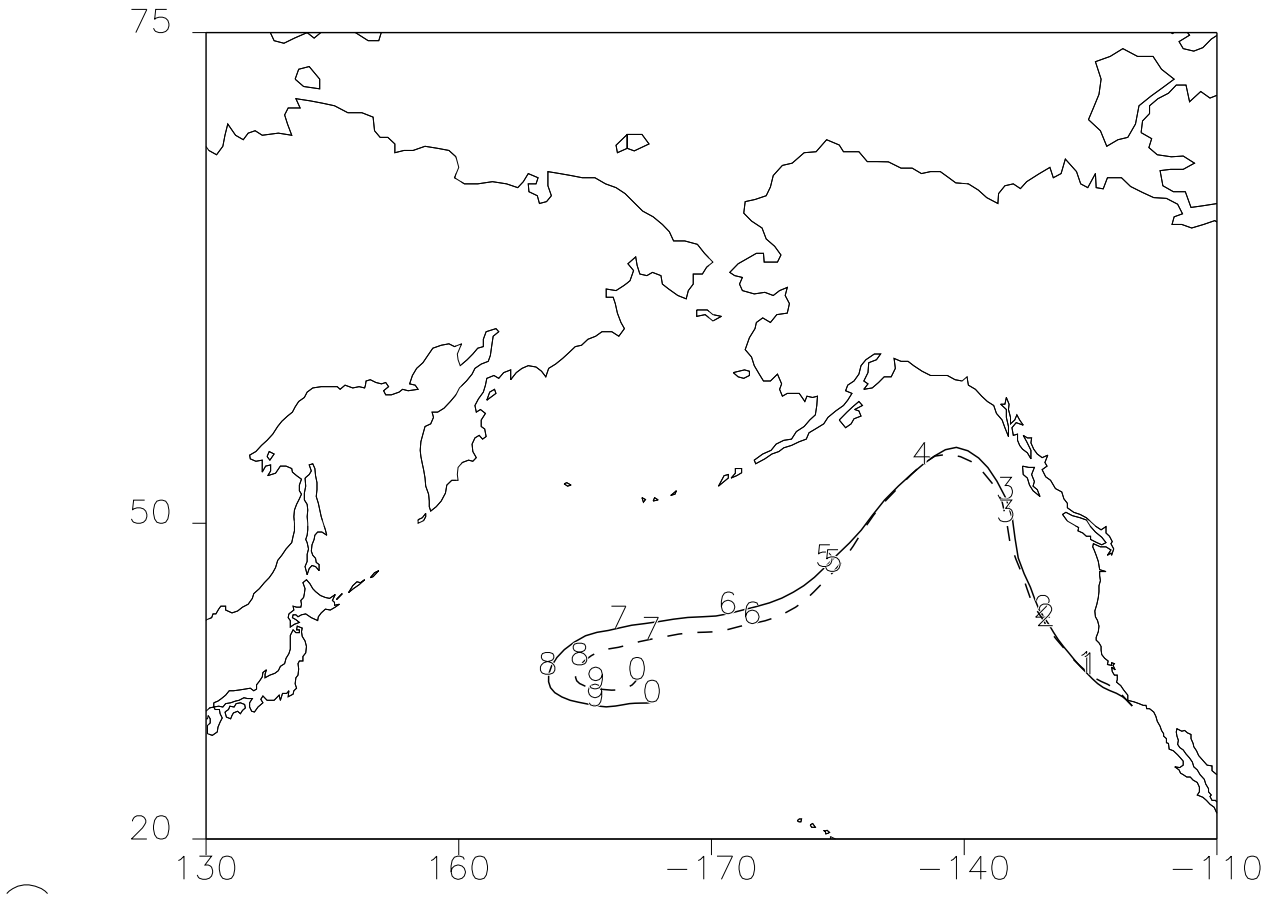
Day	km	hPa	C
0	0.3	981	14
1	0.2	1000	13
2	0.5	964	7
3	1.0	911	5
4	1.2	880	1
5	1.2	875	2
6	1.1	890	6
7	0.9	911	7
8	0.7	925	8
9	0.5	963	9
10	0.3	992	12

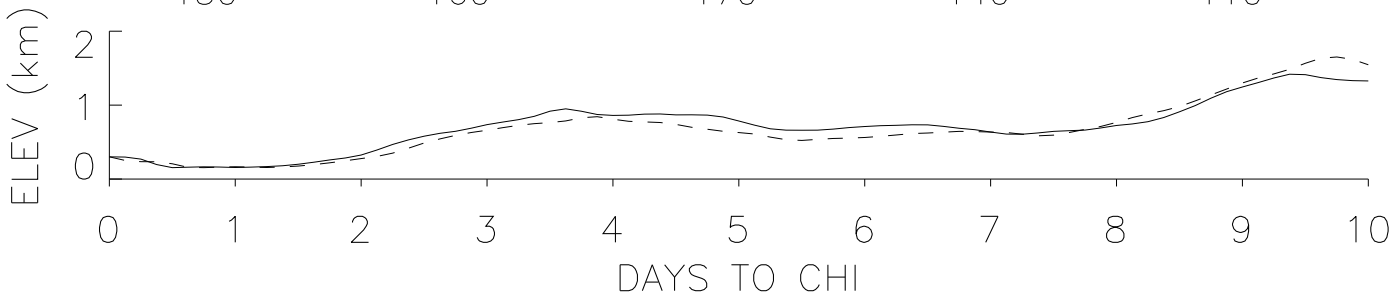
06UT

Day	km	hPa	C
0	0.3	983	13
1	0.2	1000	12
2	0.4	974	8
3	0.8	928	4
4	1.0	905	4
5	1.2	878	2
6	1.6	830	0
7	1.9	799	−2
8	2.5	740	−5
9	2.5	744	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/21/2004 (Day of Year 142)
NCEP/NCAR Reanalysis 1 Data Set





12UT

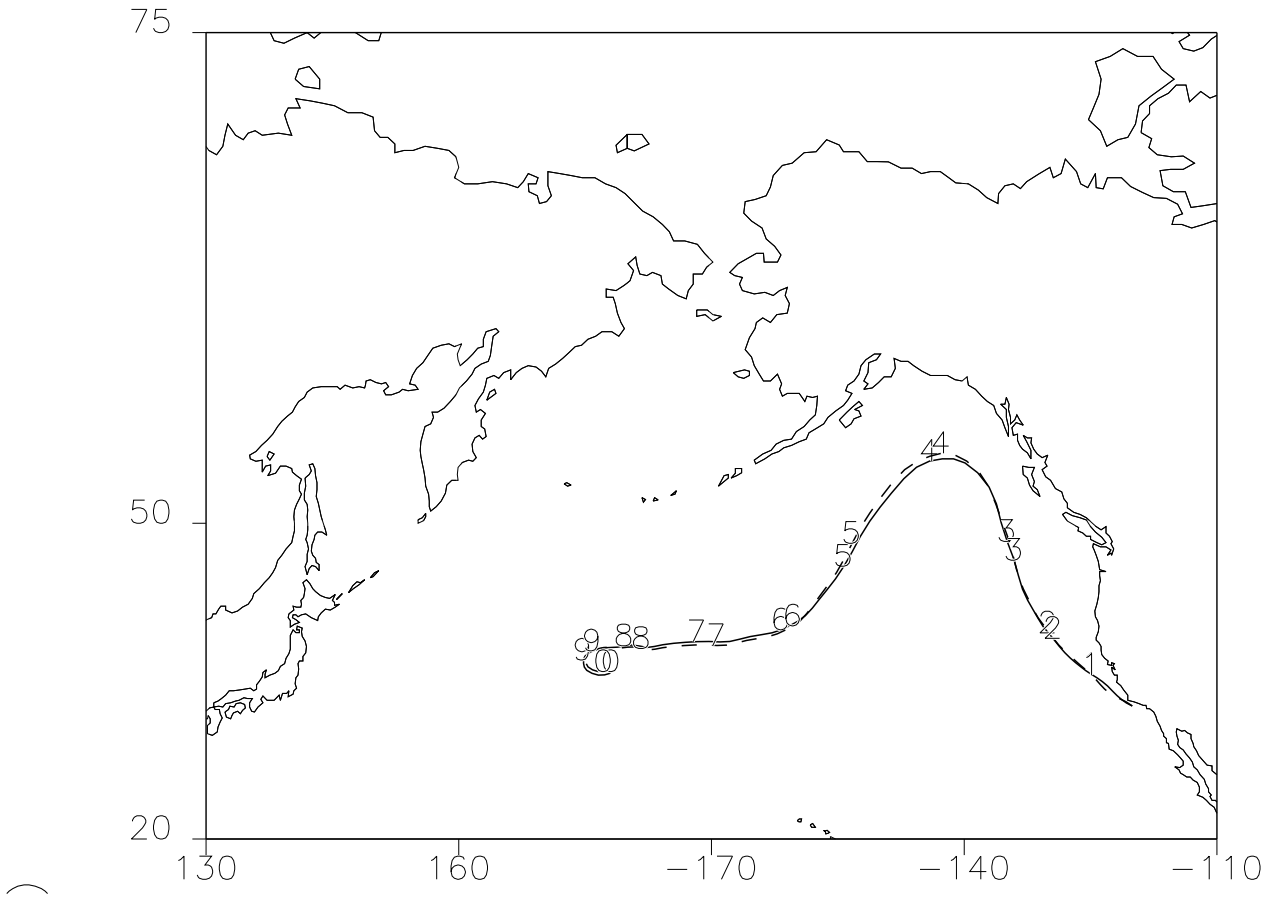
Day	km	hPa	C
0	0.3	982	11
1	0.2	1000	12
2	0.3	986	9
3	0.7	939	6
4	0.9	923	6
5	0.8	925	10
6	0.7	934	10
7	0.6	950	11
8	0.7	946	13
9	1.2	884	8
10	1.3	874	7

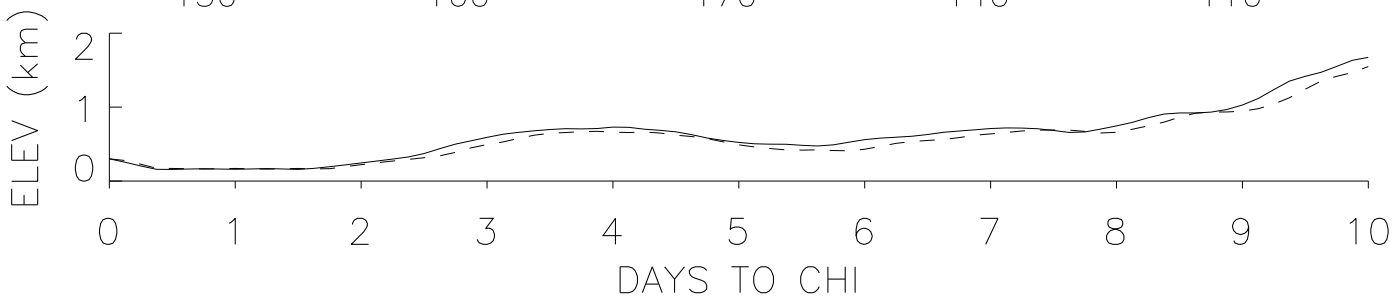
18UT

Day	km	hPa	C
0	0.3	983	15
1	0.2	1000	13
2	0.3	992	9
3	0.7	948	6
4	0.8	930	7
5	0.6	945	9
6	0.6	953	10
7	0.6	950	10
8	0.8	941	10
9	1.3	880	7
10	1.5	852	3

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/22/2004 (Day of Year 143)
NCEP/NCAR Reanalysis 1 Data Set





00UT

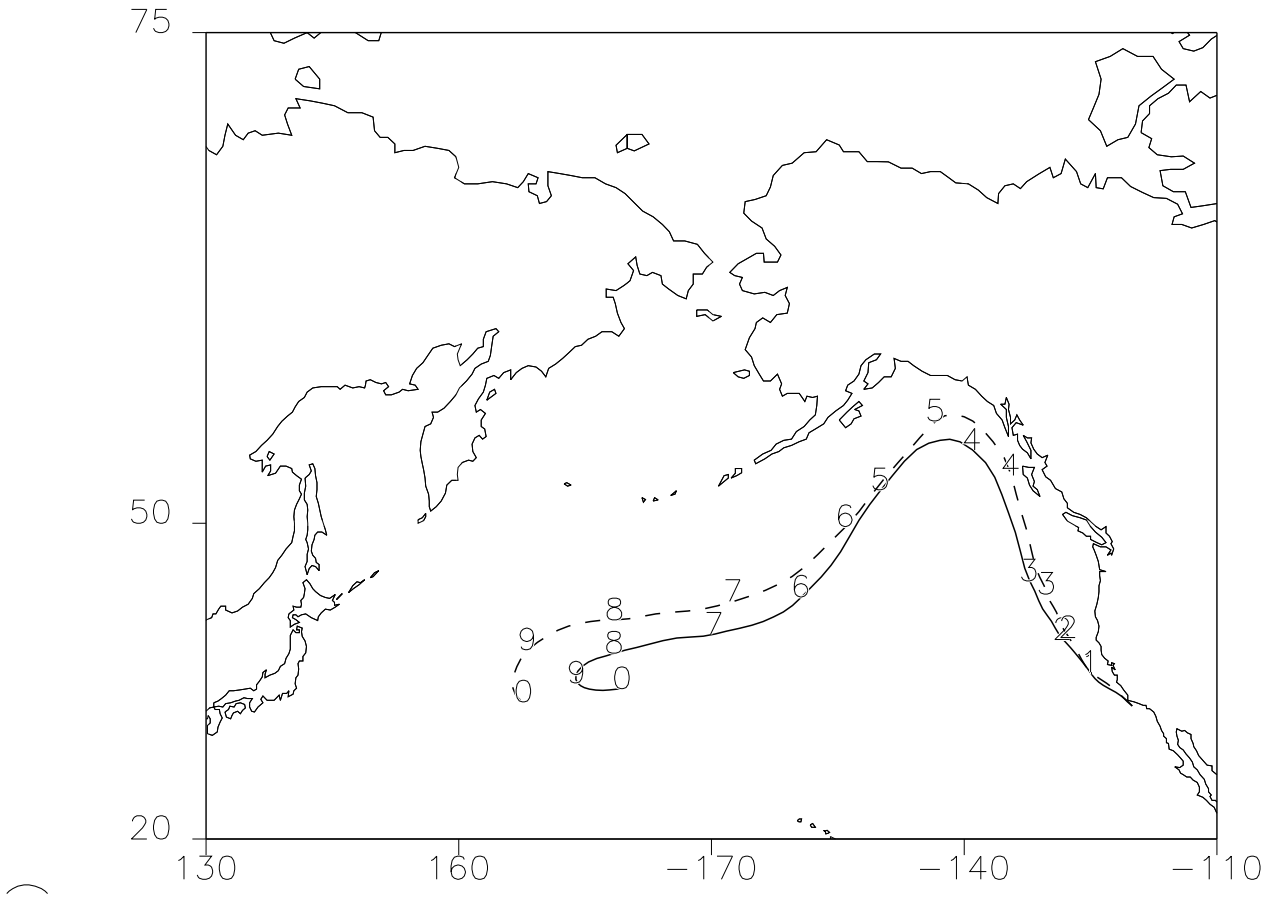
Day	km	hPa	C
0	0.3	980	14
1	0.2	1000	13
2	0.2	994	10
3	0.6	957	8
4	0.7	941	8
5	0.5	959	9
6	0.6	955	10
7	0.7	941	10
8	0.7	943	9
9	1.0	911	9
10	1.7	840	5

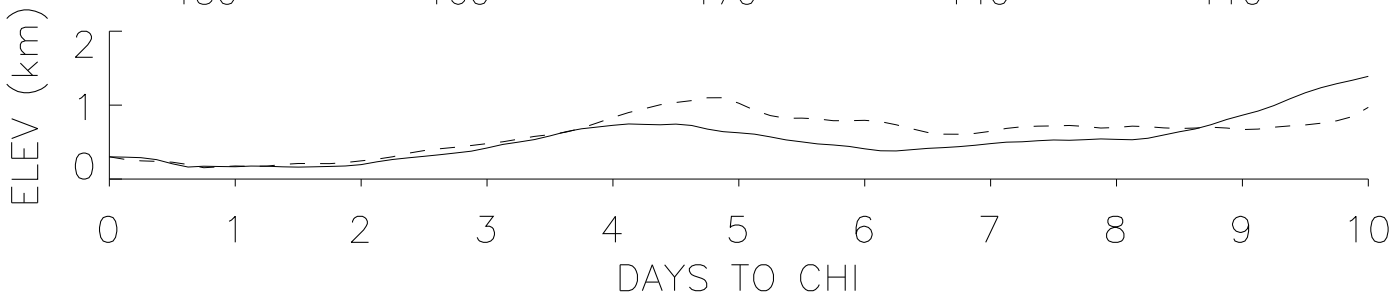
06UT

Day	km	hPa	C
0	0.3	981	13
1	0.2	1000	13
2	0.2	994	11
3	0.5	967	8
4	0.7	949	7
5	0.5	963	8
6	0.4	969	11
7	0.6	947	10
8	0.7	950	10
9	0.9	921	8
10	1.5	853	7

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/22/2004 (Day of Year 143)
NCEP/NCAR Reanalysis 1 Data Set





12UT

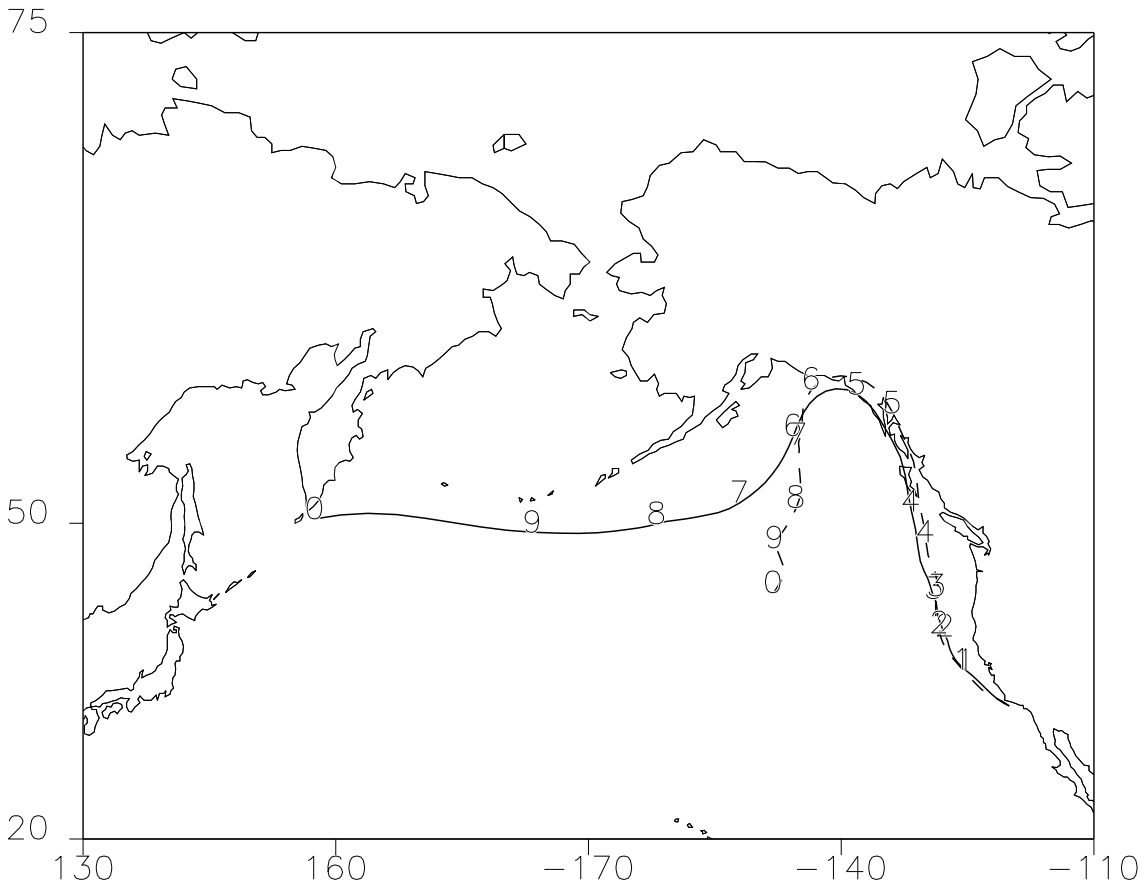
Day	km	hPa	C
0	0.3	981	12
1	0.2	1000	13
2	0.2	995	11
3	0.4	974	8
4	0.7	941	7
5	0.6	947	7
6	0.4	969	10
7	0.5	963	11
8	0.5	965	11
9	0.9	931	10
10	1.4	870	7

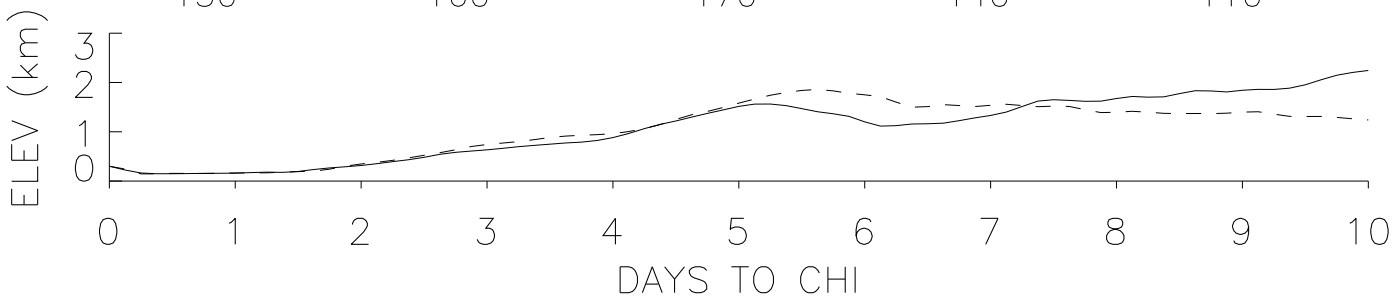
18UT

Day	km	hPa	C
0	0.3	981	15
1	0.2	1000	13
2	0.2	991	11
3	0.5	966	7
4	0.8	926	6
5	1.0	904	5
6	0.8	924	7
7	0.6	939	11
8	0.7	940	12
9	0.7	947	14
10	1.0	914	12

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/23/2004 (Day of Year 144)
NCEP/NCAR Reanalysis 1 Data Set





00UT

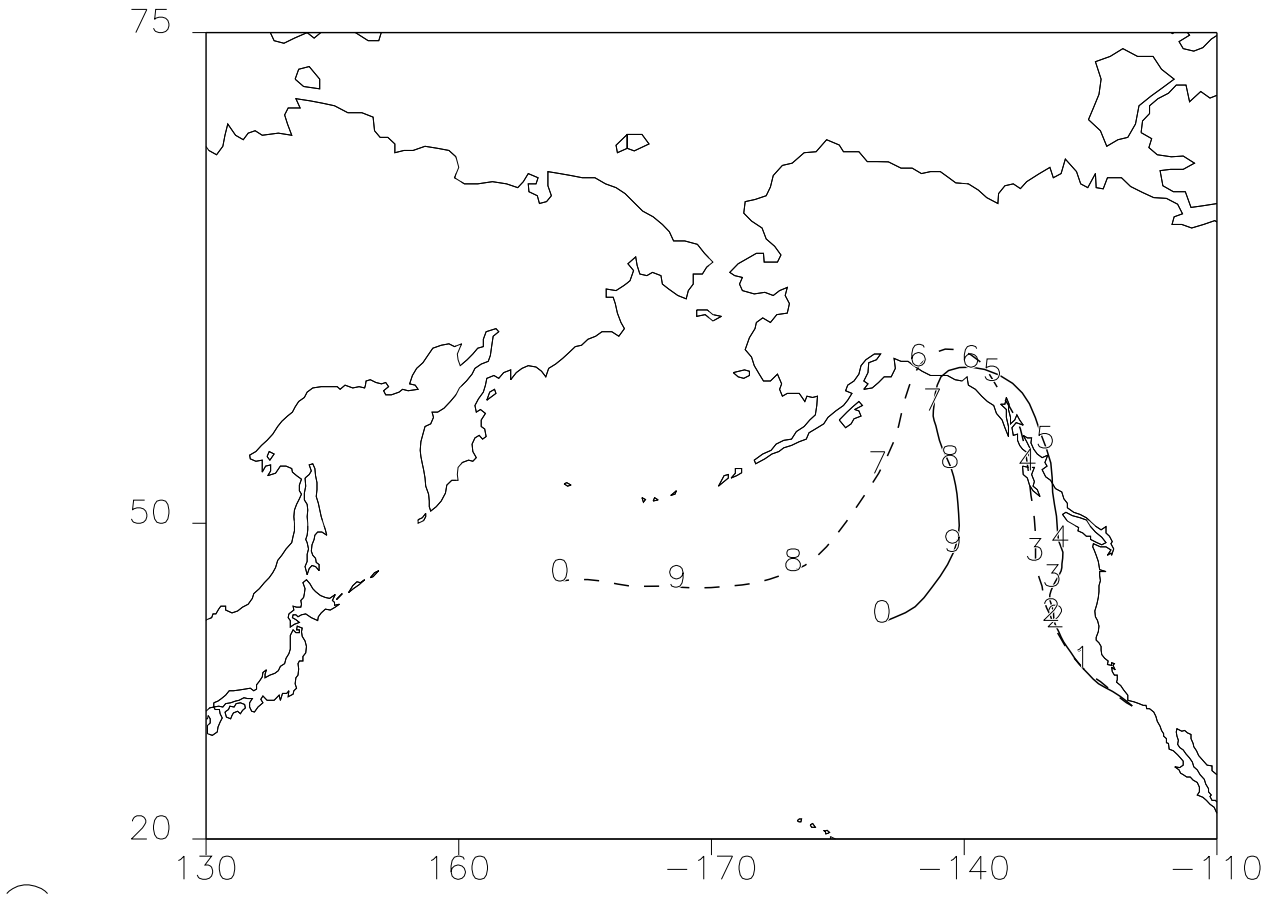
Day	km	hPa	C
0	0.3	979	15
1	0.2	1000	12
2	0.3	982	10
3	0.6	946	7
4	0.9	919	8
5	1.5	851	3
6	1.2	881	3
7	1.3	860	0
8	1.7	822	−2
9	1.8	808	−1
10	2.2	762	−6

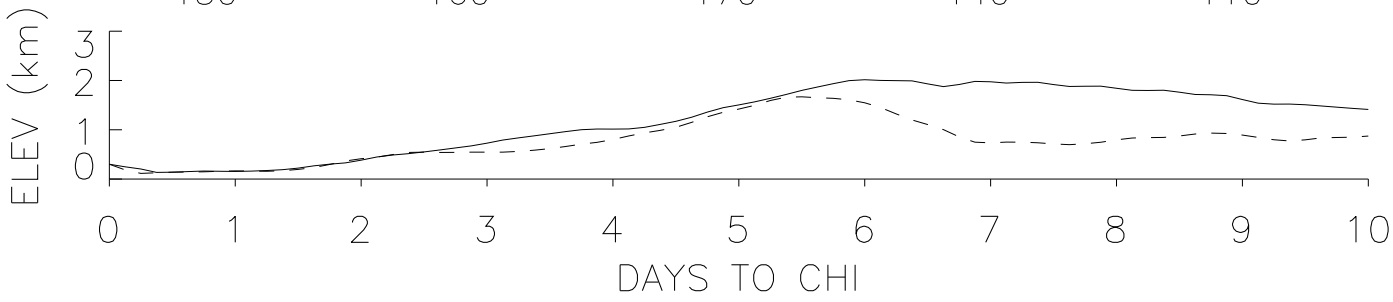
06UT

Day	km	hPa	C
0	0.3	979	13
1	0.2	1000	12
2	0.3	980	9
3	0.7	933	7
4	1.0	908	8
5	1.6	842	2
6	1.8	822	−1
7	1.5	841	0
8	1.4	852	2
9	1.4	851	3
10	1.2	869	5

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/23/2004 (Day of Year 144)
NCEP/NCAR Reanalysis 1 Data Set





12UT

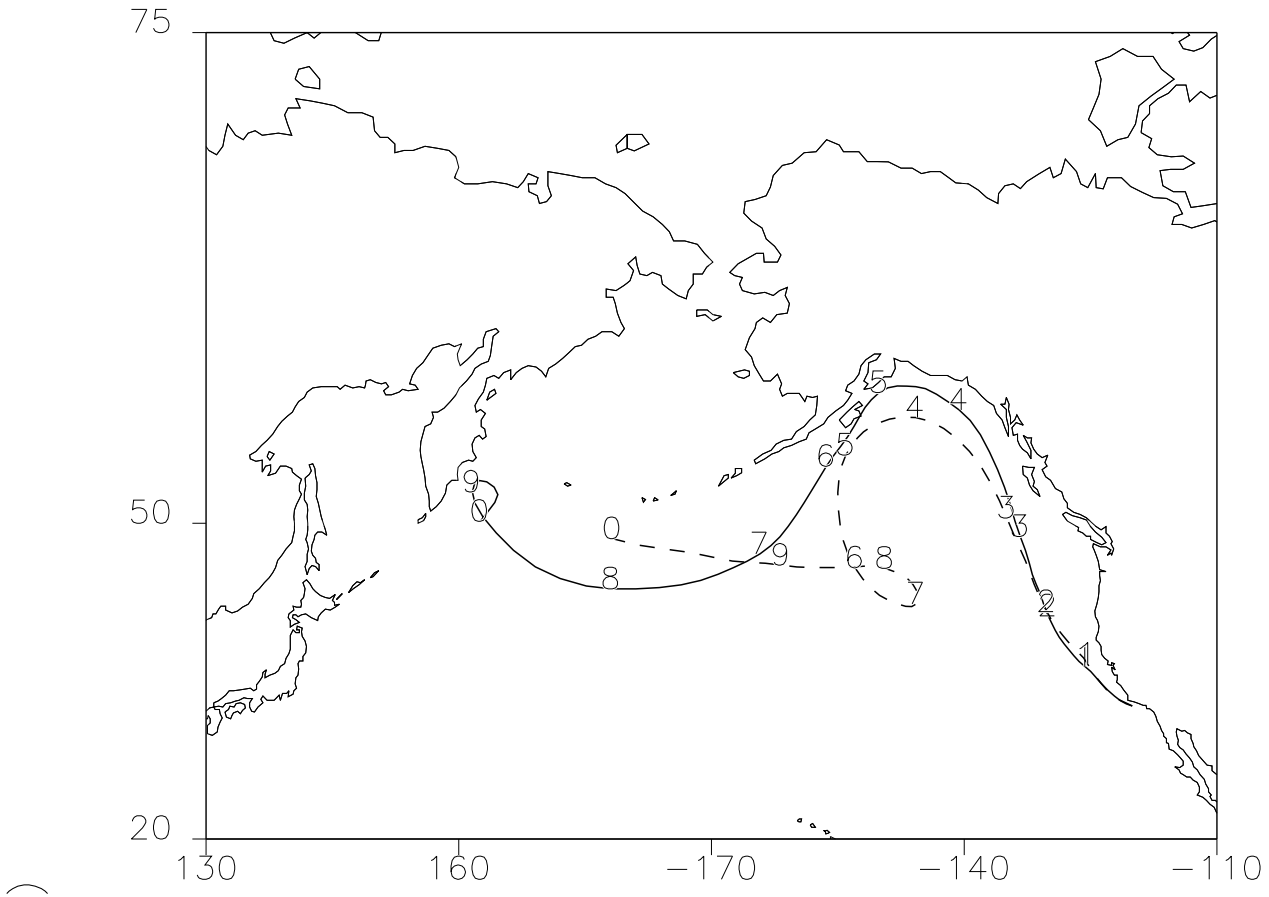
Day	km	hPa	C
0	0.3	977	12
1	0.2	1000	12
2	0.4	975	9
3	0.7	934	7
4	1.0	902	6
5	1.5	849	5
6	2.0	796	−2
7	2.0	797	−2
8	1.8	809	0
9	1.6	833	3
10	1.4	853	5

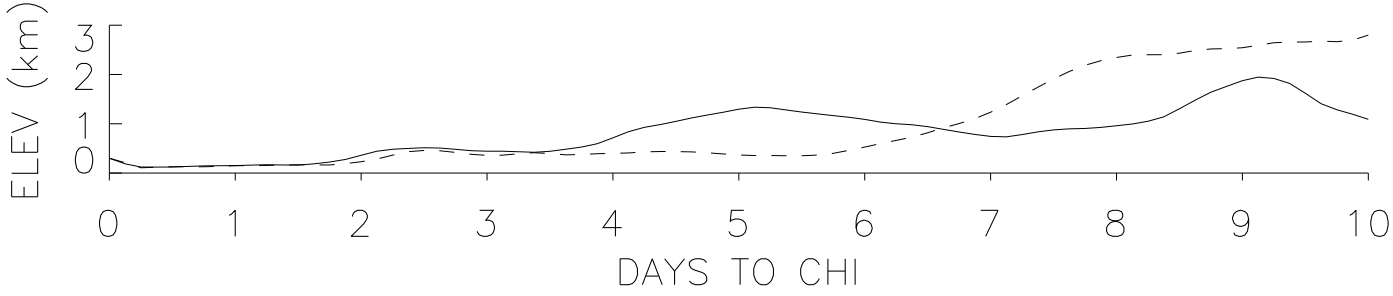
18UT

Day	km	hPa	C
0	0.3	978	15
1	0.2	1000	11
2	0.4	973	8
3	0.5	957	7
4	0.8	929	10
5	1.4	861	5
6	1.5	844	0
7	0.7	929	5
8	0.8	922	7
9	0.9	914	7
10	0.9	922	10

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/24/2004 (Day of Year 145)
NCEP/NCAR Reanalysis 1 Data Set





00UT

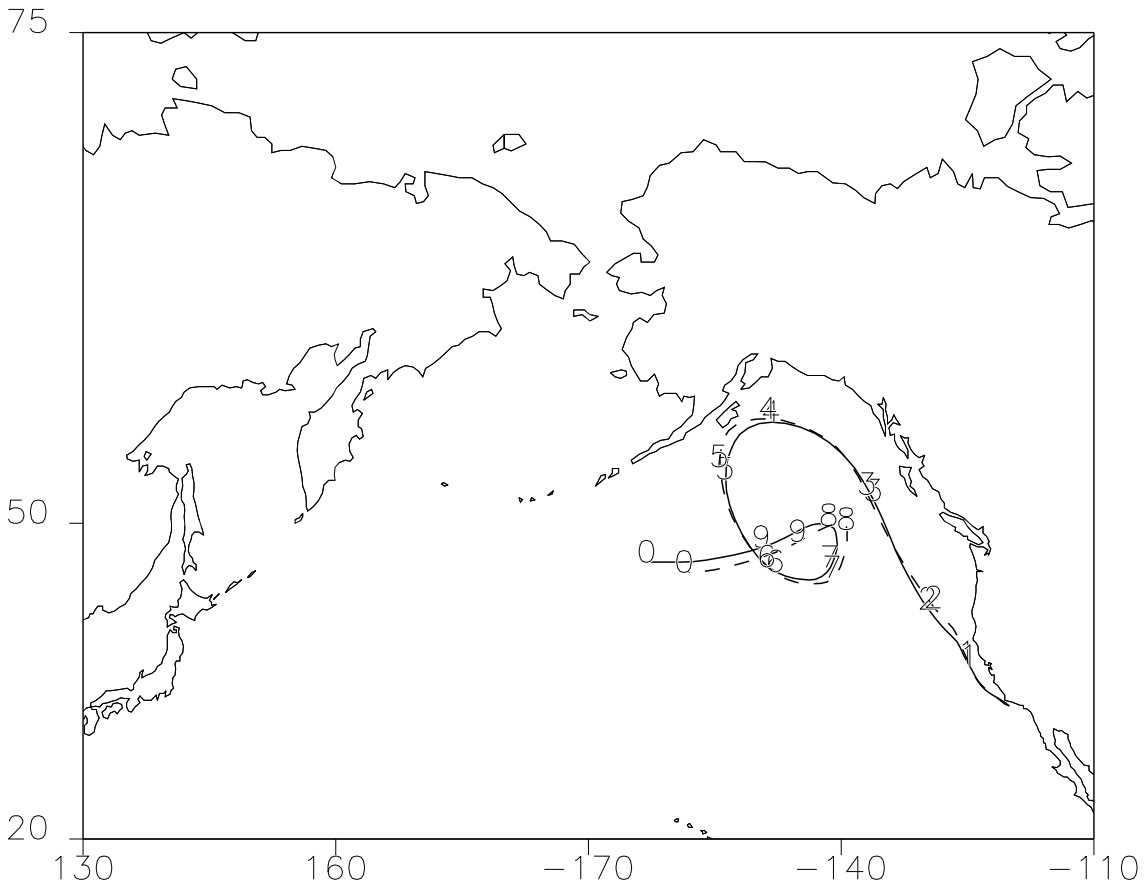
Day	km	hPa	C
0	0.3	976	14
1	0.2	1000	11
2	0.4	978	9
3	0.4	970	8
4	0.7	944	10
5	1.3	879	3
6	1.1	894	4
7	0.7	924	4
8	1.0	896	4
9	1.9	793	−5
10	1.1	886	1

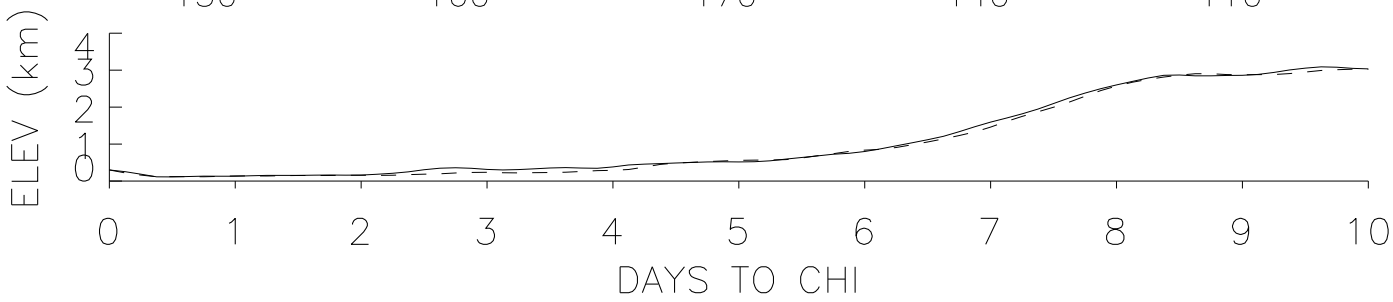
06UT

Day	km	hPa	C
0	0.3	978	13
1	0.1	1000	11
2	0.2	993	11
3	0.4	981	8
4	0.4	983	8
5	0.4	986	6
6	0.5	965	6
7	1.2	884	4
8	2.3	764	−3
9	2.5	740	−5
10	2.8	716	−5

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/24/2004 (Day of Year 145)
NCEP/NCAR Reanalysis 1 Data Set





12UT

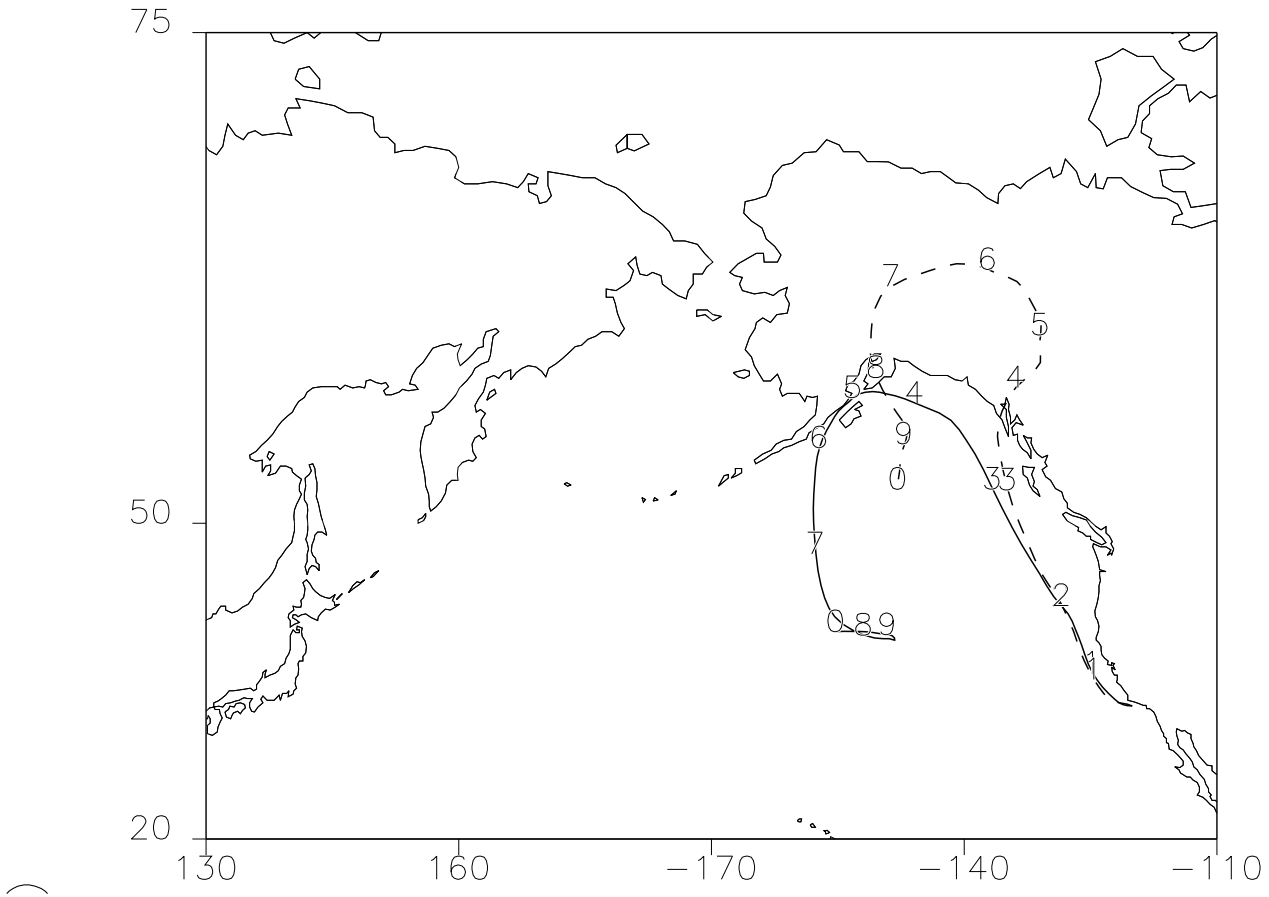
Day	km	hPa	C
0	0.3	977	11
1	0.1	1000	12
2	0.2	1000	11
3	0.3	986	7
4	0.4	985	8
5	0.5	970	5
6	0.8	937	2
7	1.6	847	3
8	2.6	738	−7
9	2.9	710	−8
10	3.0	697	−7

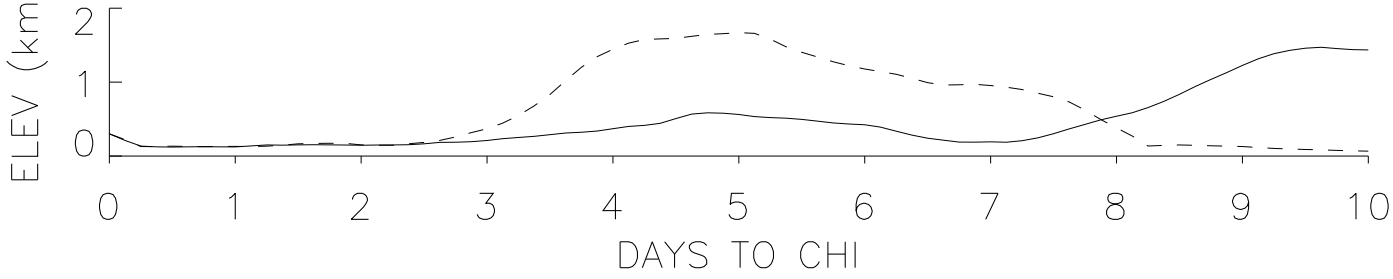
18UT

Day	km	hPa	C
0	0.3	979	14
1	0.1	1000	13
2	0.2	1000	11
3	0.2	997	7
4	0.3	995	6
5	0.6	966	4
6	0.8	933	1
7	1.5	862	3
8	2.6	743	−6
9	2.9	711	−8
10	3.0	696	−7

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/25/2004 (Day of Year 146)
NCEP/NCAR Reanalysis 1 Data Set





00UT

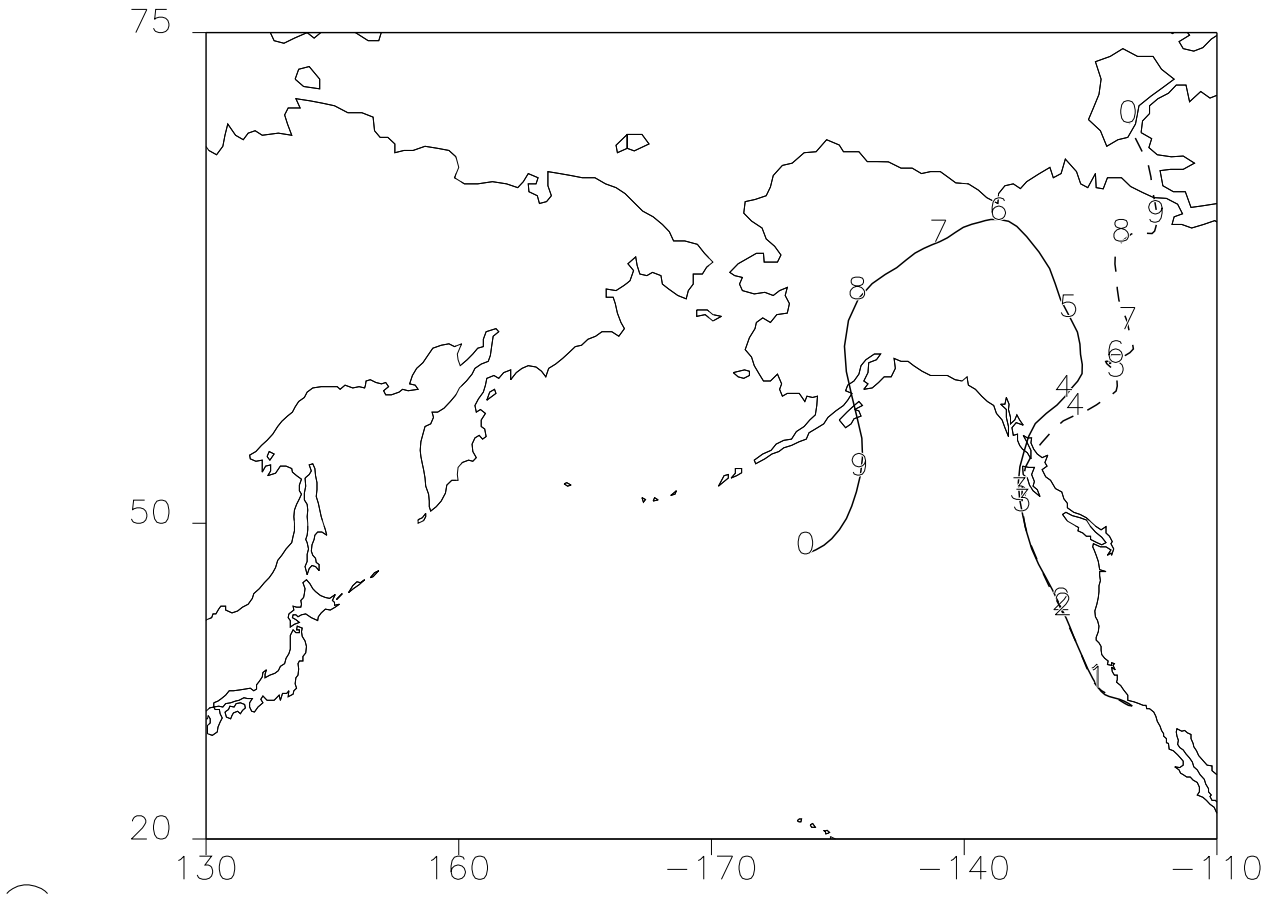
Day	km	hPa	C
0	0.3	977	15
1	0.1	1000	13
2	0.1	1000	11
3	0.2	999	9
4	0.4	983	10
5	0.6	964	8
6	0.4	976	6
7	0.2	1000	8
8	0.5	960	9
9	1.2	883	4
10	1.4	858	5

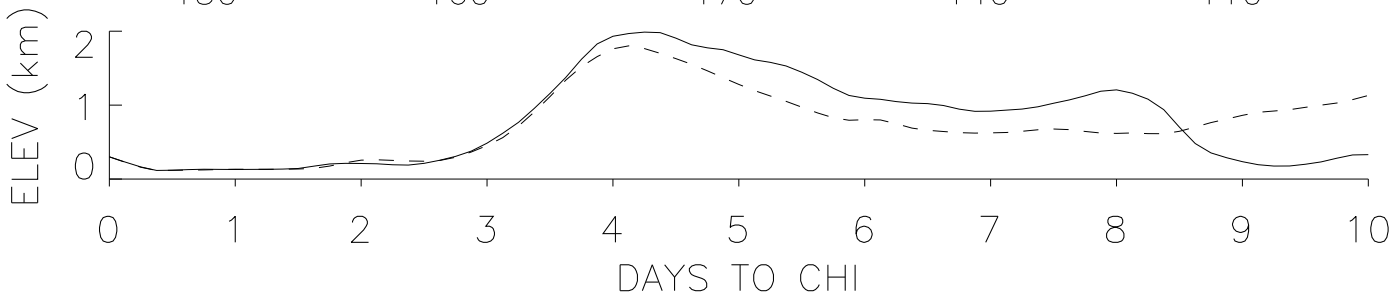
06UT

Day	km	hPa	C
0	0.3	978	13
1	0.1	1000	13
2	0.2	1000	12
3	0.4	977	9
4	1.4	859	4
5	1.7	837	0
6	1.2	885	2
7	1.0	906	3
8	0.4	970	4
9	0.1	1000	6
10	0.1	999	8

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/25/2004 (Day of Year 146)
NCEP/NCAR Reanalysis 1 Data Set





12UT

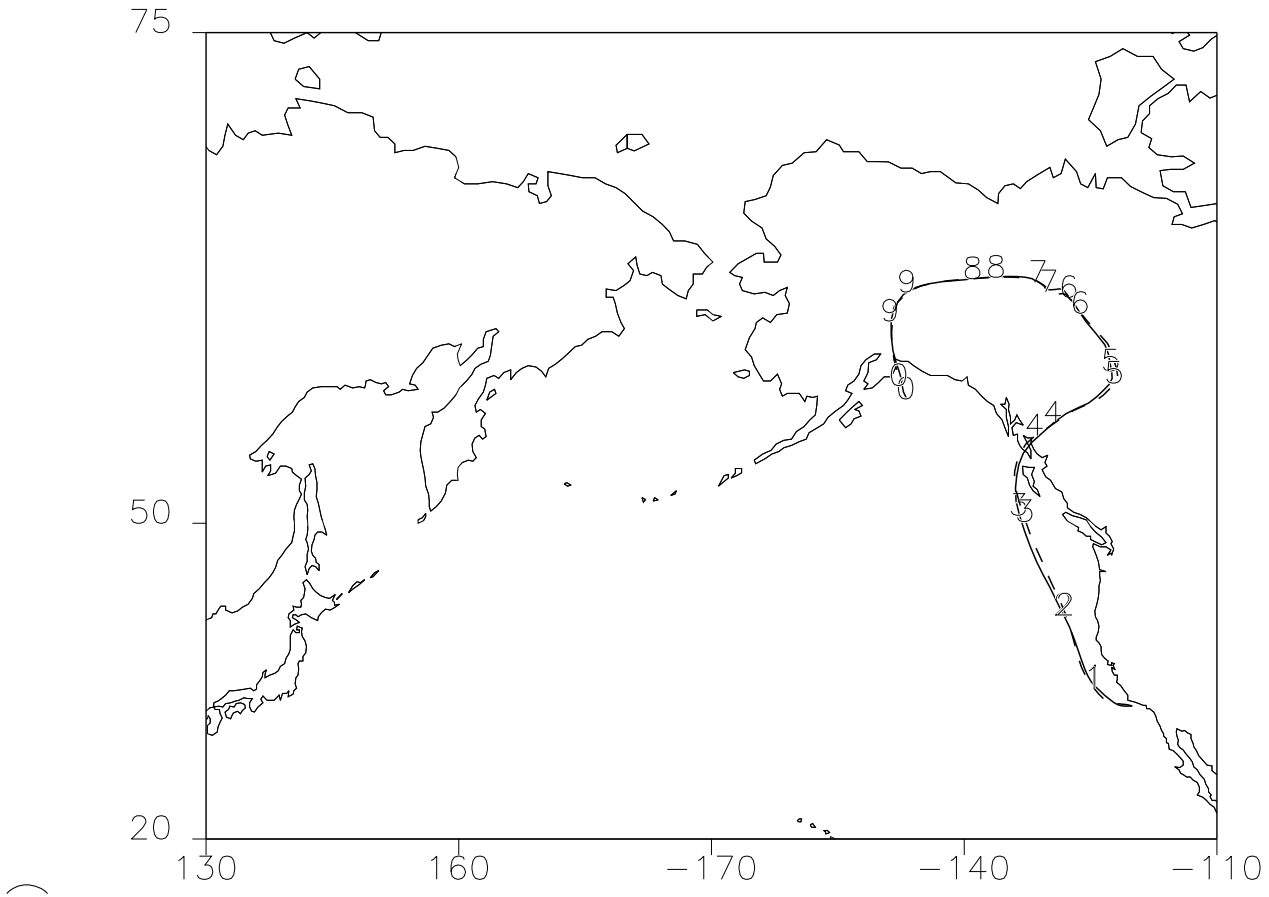
Day	km	hPa	C
0	0.3	978	12
1	0.1	1000	12
2	0.2	993	11
3	0.5	963	9
4	1.9	807	−3
5	1.7	835	−3
6	1.1	895	0
7	0.9	910	4
8	1.2	874	1
9	0.2	985	5
10	0.3	974	6

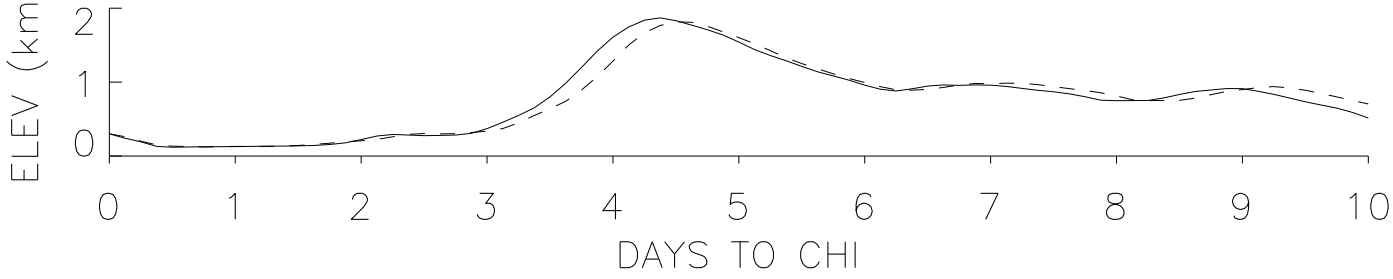
18UT

Day	km	hPa	C
0	0.3	979	15
1	0.1	1000	14
2	0.3	989	11
3	0.5	967	9
4	1.8	822	−3
5	1.3	877	−1
6	0.8	930	2
7	0.6	944	1
8	0.6	934	−3
9	0.9	908	−12
10	1.1	877	−12

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/26/2004 (Day of Year 147)
NCEP/NCAR Reanalysis 1 Data Set





00UT

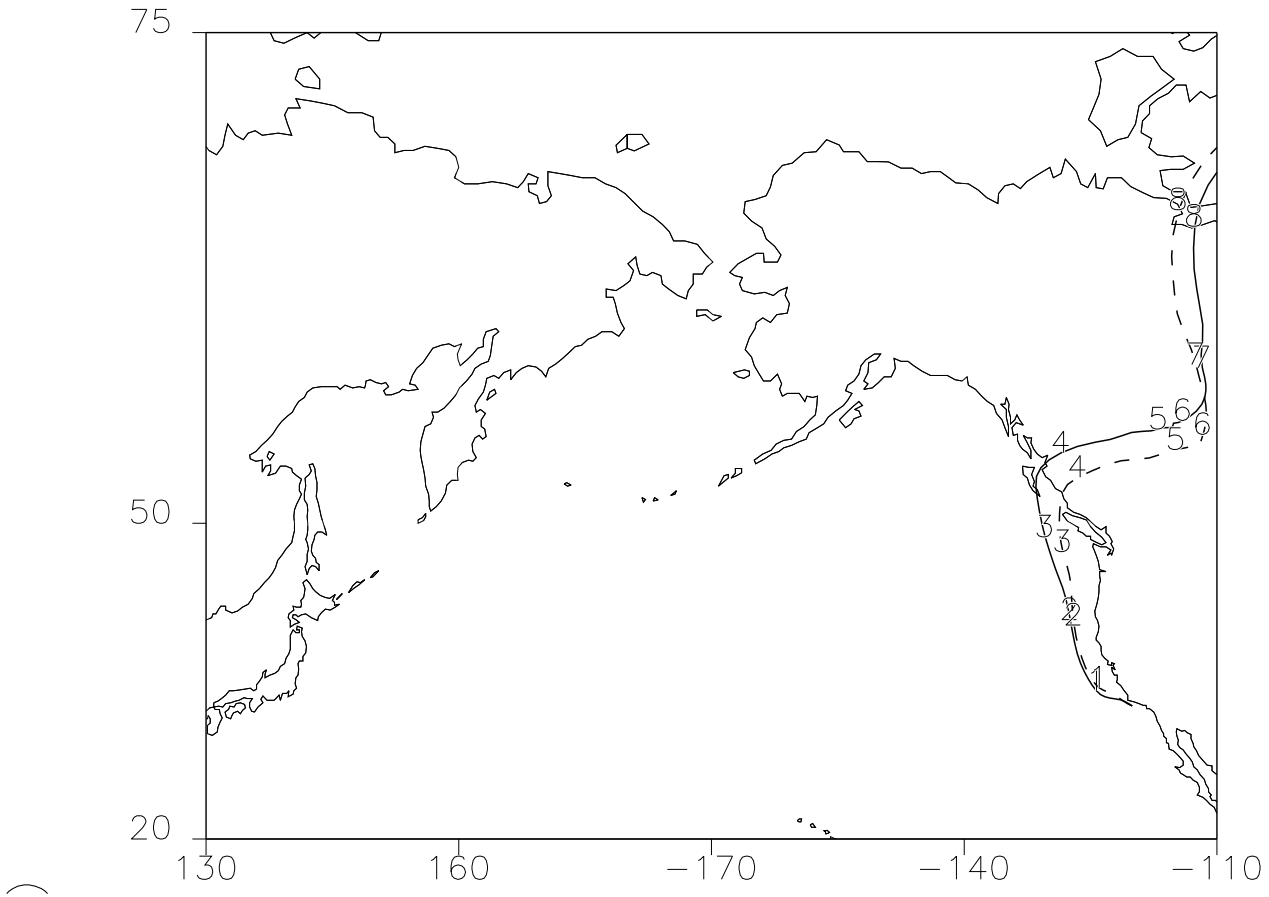
Day	km	hPa	C
0	0.3	978	15
1	0.1	1000	13
2	0.2	992	11
3	0.4	977	9
4	1.6	840	3
5	1.5	849	−2
6	1.0	913	2
7	1.0	909	3
8	0.7	928	8
9	0.9	907	6
10	0.5	952	5

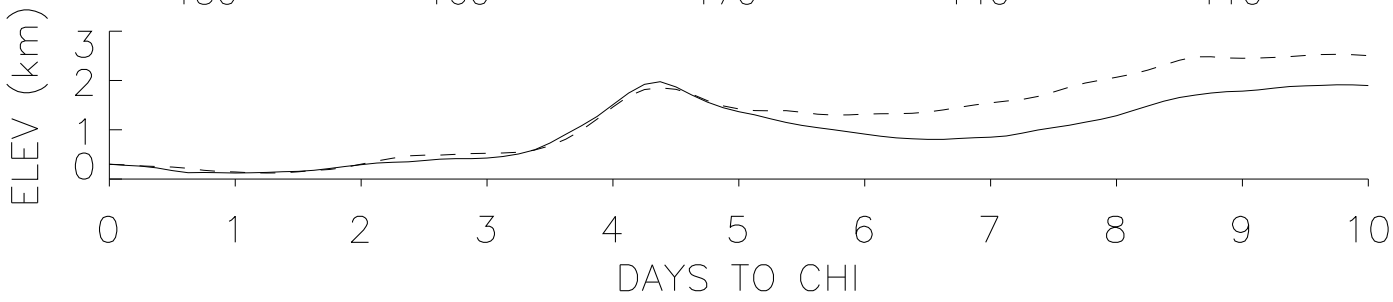
06UT

Day	km	hPa	C
0	0.3	979	13
1	0.1	1000	13
2	0.2	994	11
3	0.3	980	9
4	1.3	874	5
5	1.6	841	−4
6	1.0	909	−1
7	1.0	907	1
8	0.8	922	4
9	0.9	907	4
10	0.7	932	3

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/26/2004 (Day of Year 147)
NCEP/NCAR Reanalysis 1 Data Set





12UT

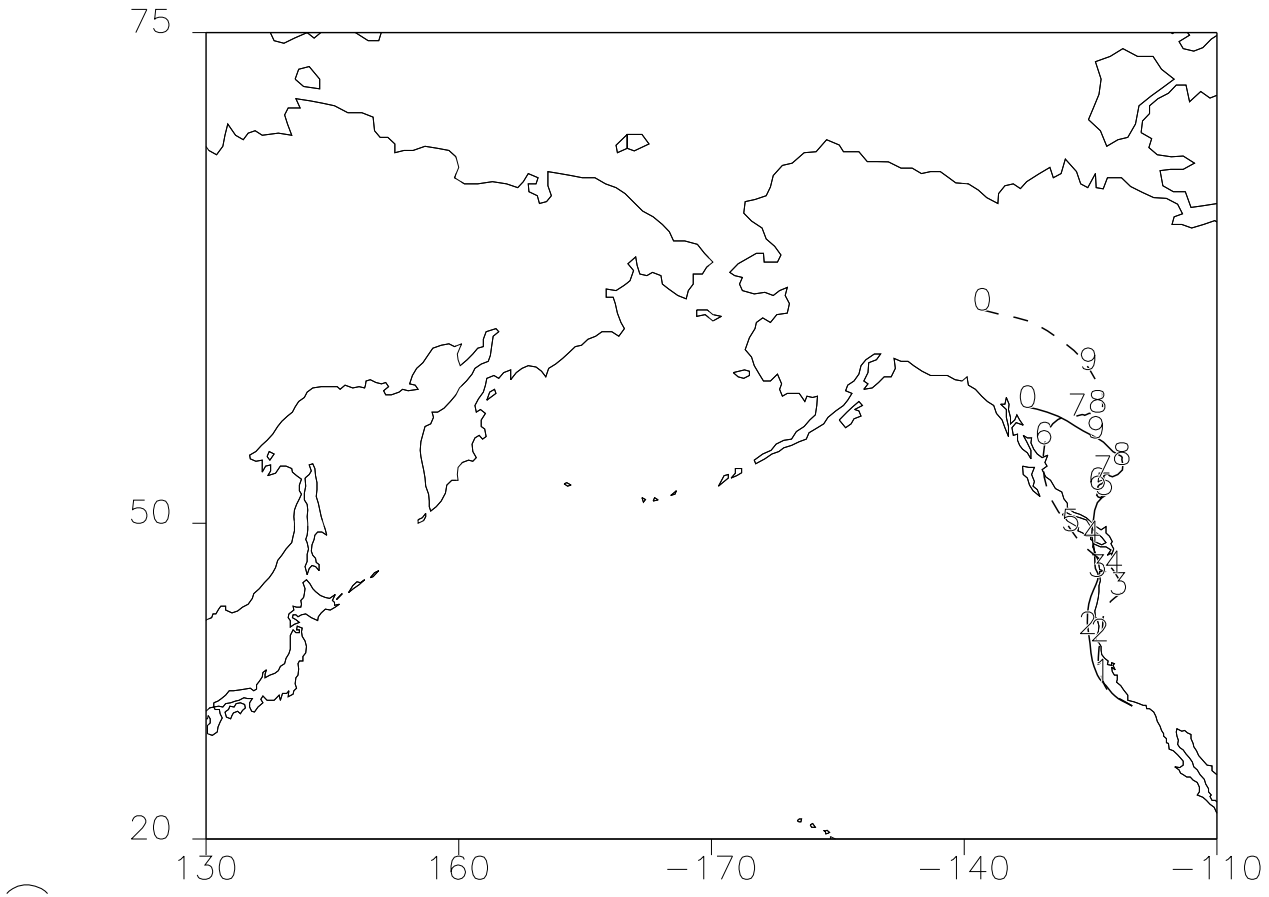
Day	km	hPa	C
0	0.3	978	12
1	0.1	1000	13
2	0.3	983	10
3	0.4	968	10
4	1.5	849	2
5	1.4	864	1
6	0.9	918	−2
7	0.8	920	−11
8	1.3	858	−19
9	1.8	801	−20
10	1.9	789	−20

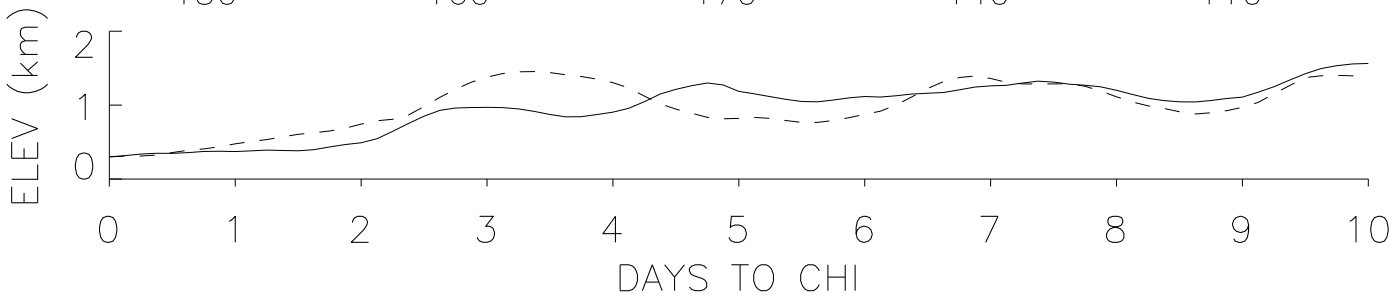
18UT

Day	km	hPa	C
0	0.3	980	17
1	0.1	999	15
2	0.3	983	12
3	0.5	956	11
4	1.5	852	3
5	1.4	857	0
6	1.3	872	−5
7	1.5	843	−12
8	2.1	778	−19
9	2.5	733	−20
10	2.5	729	−18

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/27/2004 (Day of Year 148)
NCEP/NCAR Reanalysis 1 Data Set





00UT

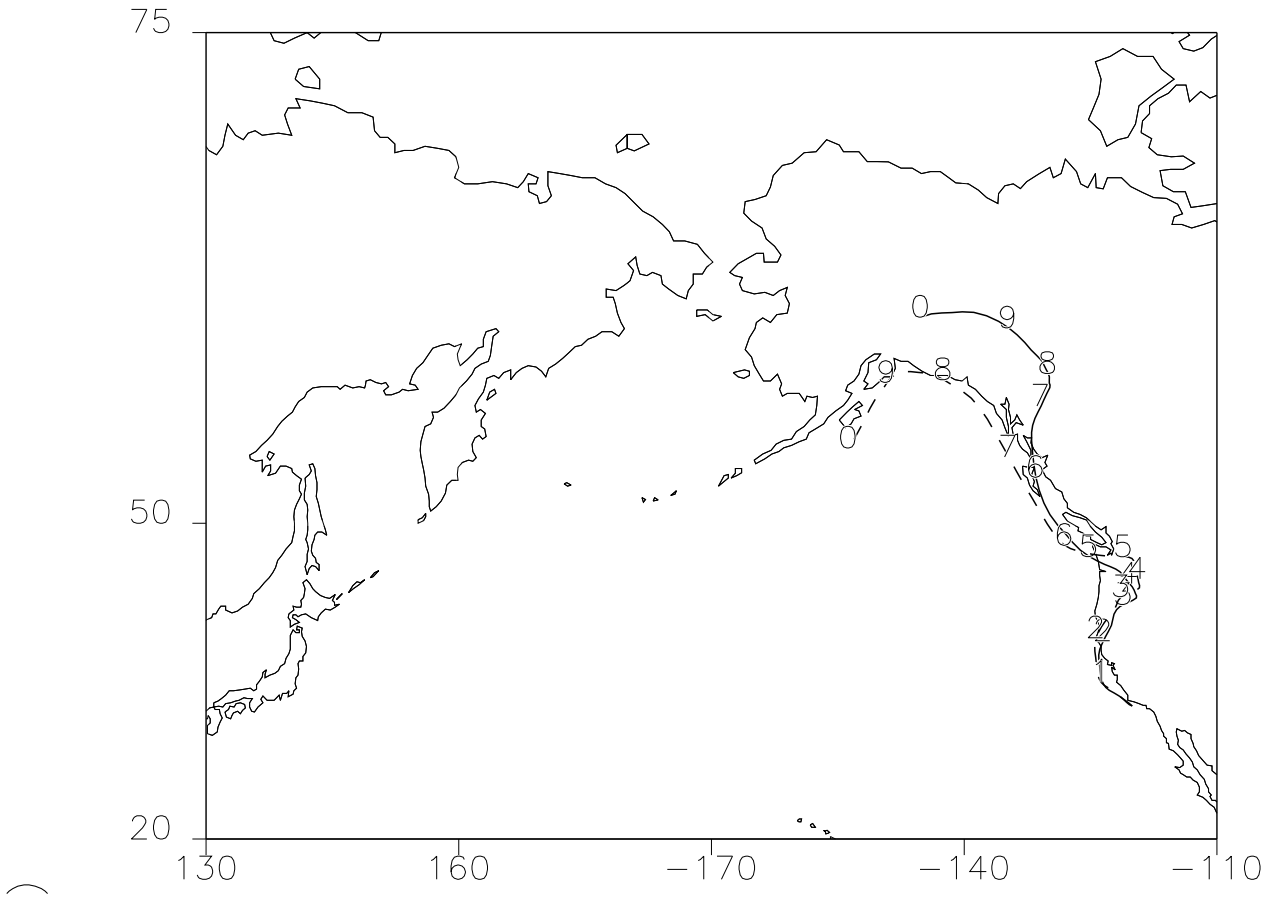
Day	km	hPa	C
0	0.3	978	16
1	0.4	970	15
2	0.5	957	14
3	1.0	904	10
4	0.9	907	9
5	1.2	877	7
6	1.1	889	14
7	1.3	877	14
8	1.2	879	15
9	1.1	888	12
10	1.6	843	3

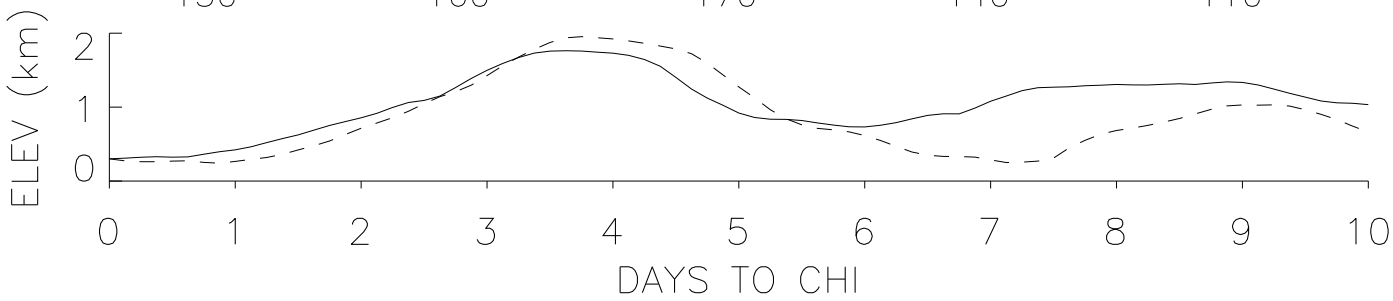
06UT

Day	km	hPa	C
0	0.3	980	15
1	0.5	960	14
2	0.7	928	12
3	1.4	860	6
4	1.3	865	4
5	0.8	917	8
6	0.9	916	9
7	1.4	866	9
8	1.1	891	9
9	1.0	902	5
10	1.4	855	2

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/27/2004 (Day of Year 148)
NCEP/NCAR Reanalysis 1 Data Set





12UT

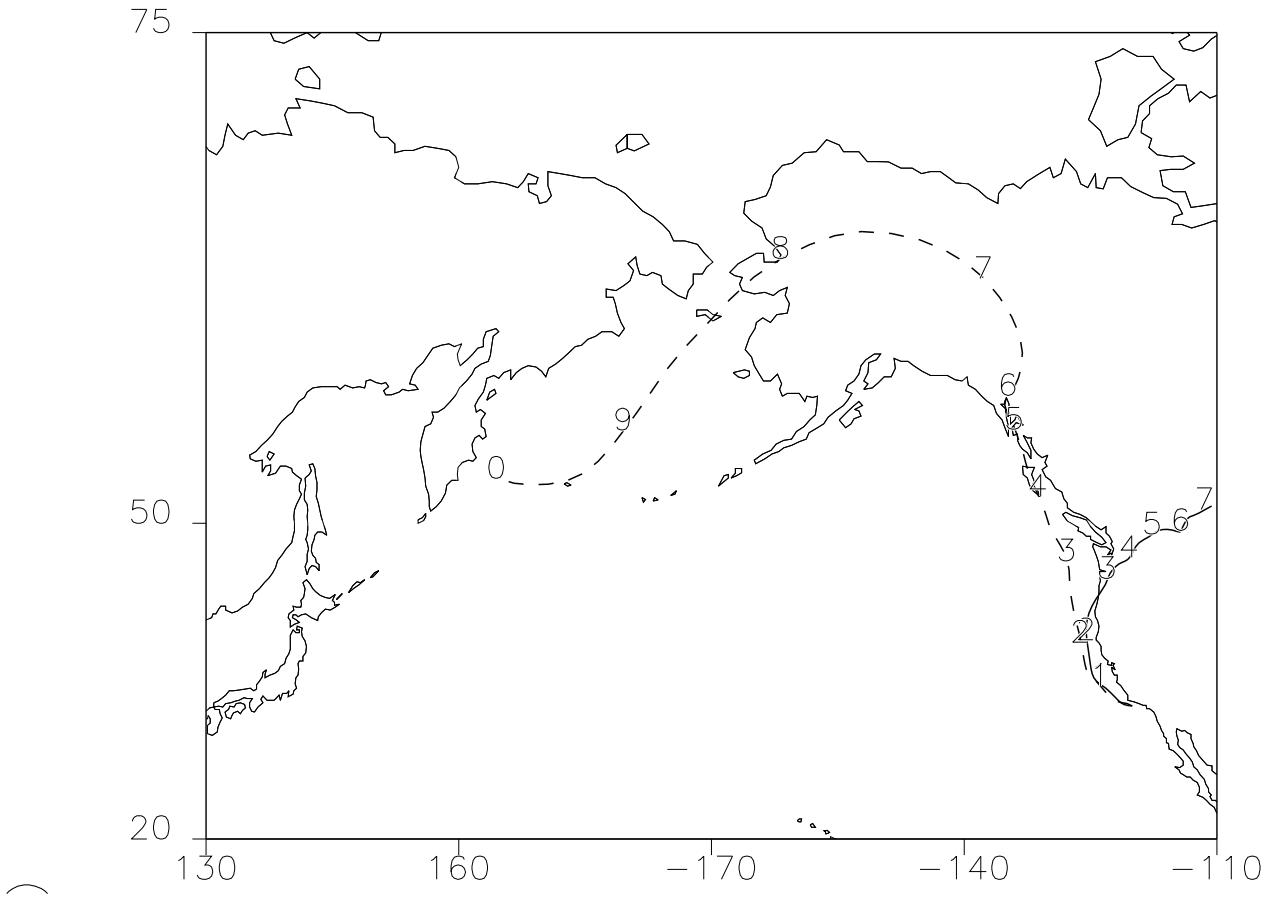
Day	km	hPa	C
0	0.3	980	15
1	0.4	965	13
2	0.9	916	11
3	1.5	848	5
4	1.7	821	1
5	0.9	904	6
6	0.7	932	10
7	1.1	898	7
8	1.3	873	8
9	1.3	868	5
10	1.0	896	4

18UT

Day	km	hPa	C
0	0.3	982	17
1	0.3	986	15
2	0.7	933	15
3	1.4	857	8
4	1.9	804	0
5	1.3	864	5
6	0.6	944	11
7	0.3	988	10
8	0.7	947	7
9	1.0	907	3
10	0.7	939	3

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/28/2004 (Day of Year 149)
NCEP/NCAR Reanalysis 1 Data Set

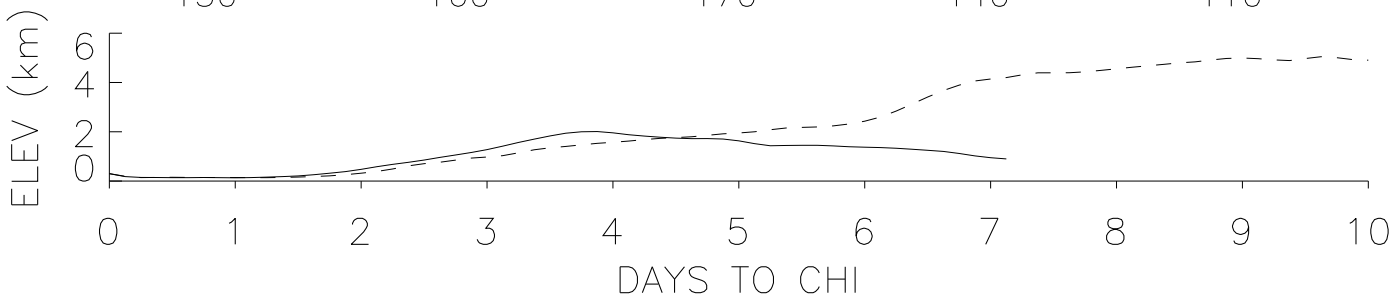


00UT

Day	km	hPa	C
0	0.3	980	17
1	0.1	1000	15
2	0.5	960	16
3	1.3	873	11
4	2.0	802	2
5	1.6	830	2
6	1.4	857	6
7	0.9	907	12

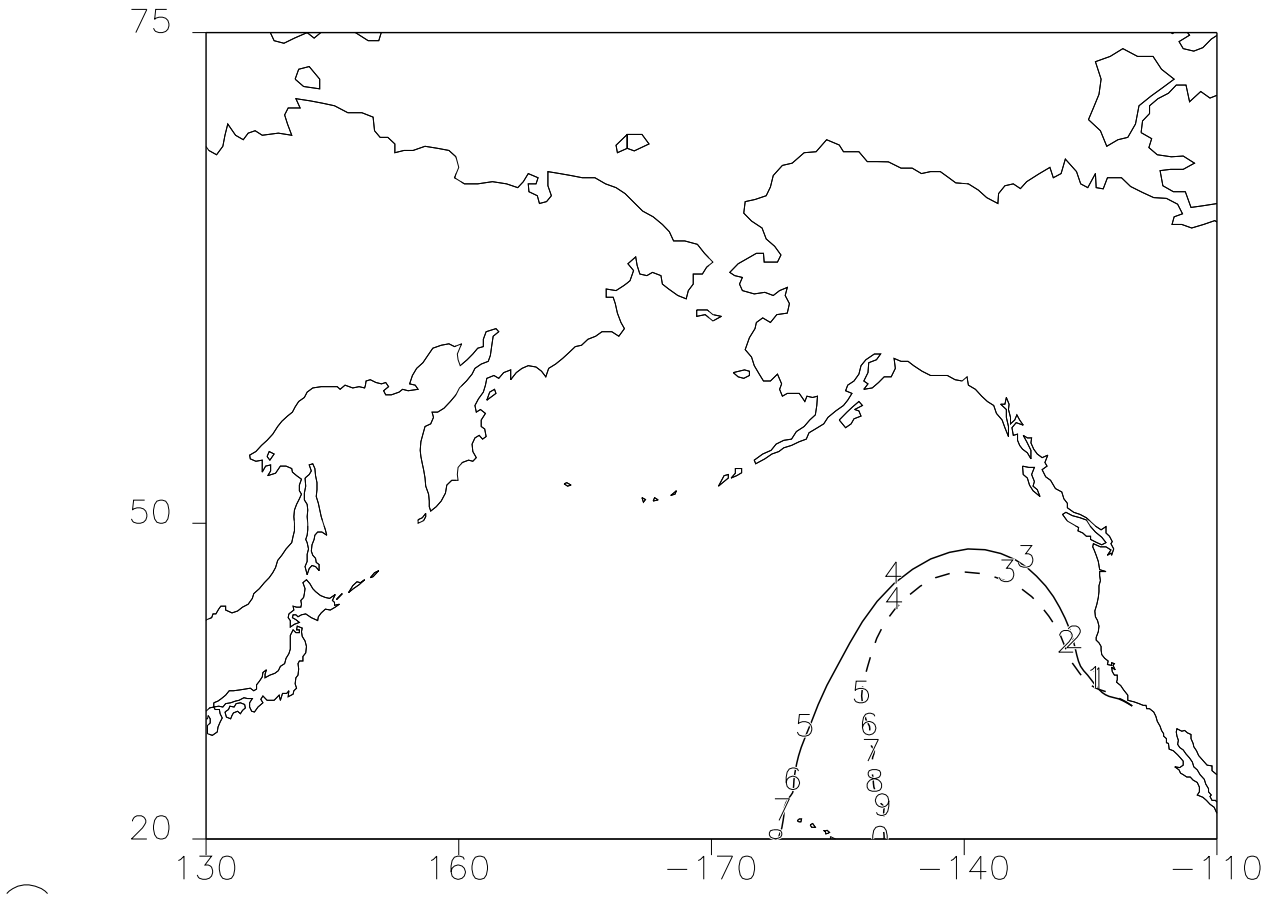
06UT

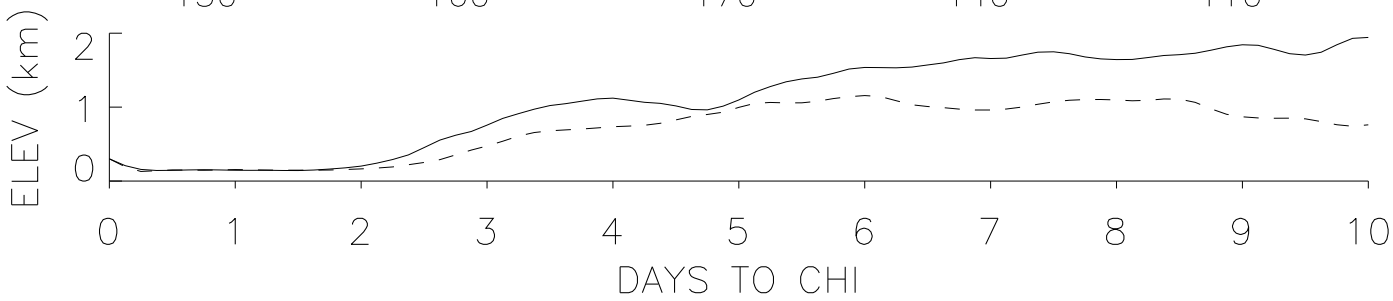
Day	km	hPa	C
0	0.3	981	15
1	0.1	1000	14
2	0.3	980	15
3	1.0	908	11
4	1.6	844	7
5	2.0	805	4
6	2.4	761	−1
7	4.1	607	−19
8	4.6	572	−22
9	5.0	530	−25
10	4.9	532	−22



00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/28/2004 (Day of Year 149)
NCEP/NCAR Reanalysis 1 Data Set





12UT

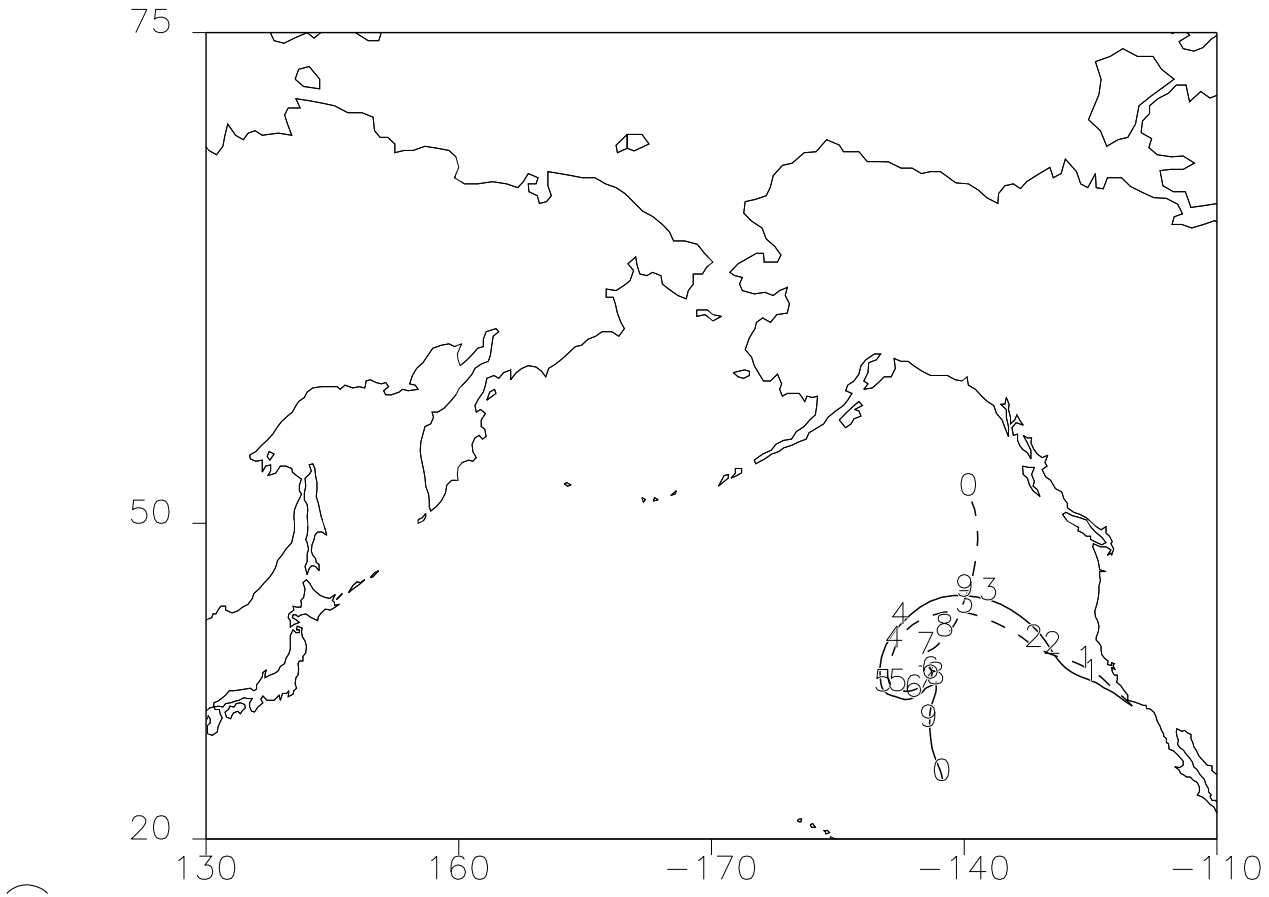
Day	km	hPa	C
0	0.3	979	16
1	0.1	1000	14
2	0.2	993	13
3	0.8	934	13
4	1.1	896	12
5	1.1	899	18
6	1.5	854	15
7	1.7	840	15
8	1.6	839	15
9	1.8	819	15
10	1.9	809	13

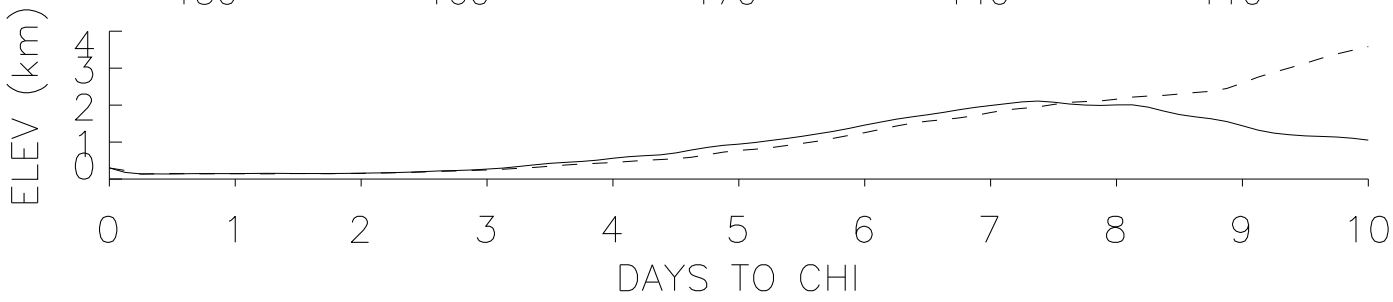
18UT

Day	km	hPa	C
0	0.3	980	17
1	0.2	1000	13
2	0.2	1000	12
3	0.5	968	12
4	0.7	940	15
5	1.0	913	16
6	1.2	896	16
7	1.0	915	18
8	1.1	898	18
9	0.9	920	19
10	0.8	931	19

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/29/2004 (Day of Year 150)
NCEP/NCAR Reanalysis 1 Data Set





00UT

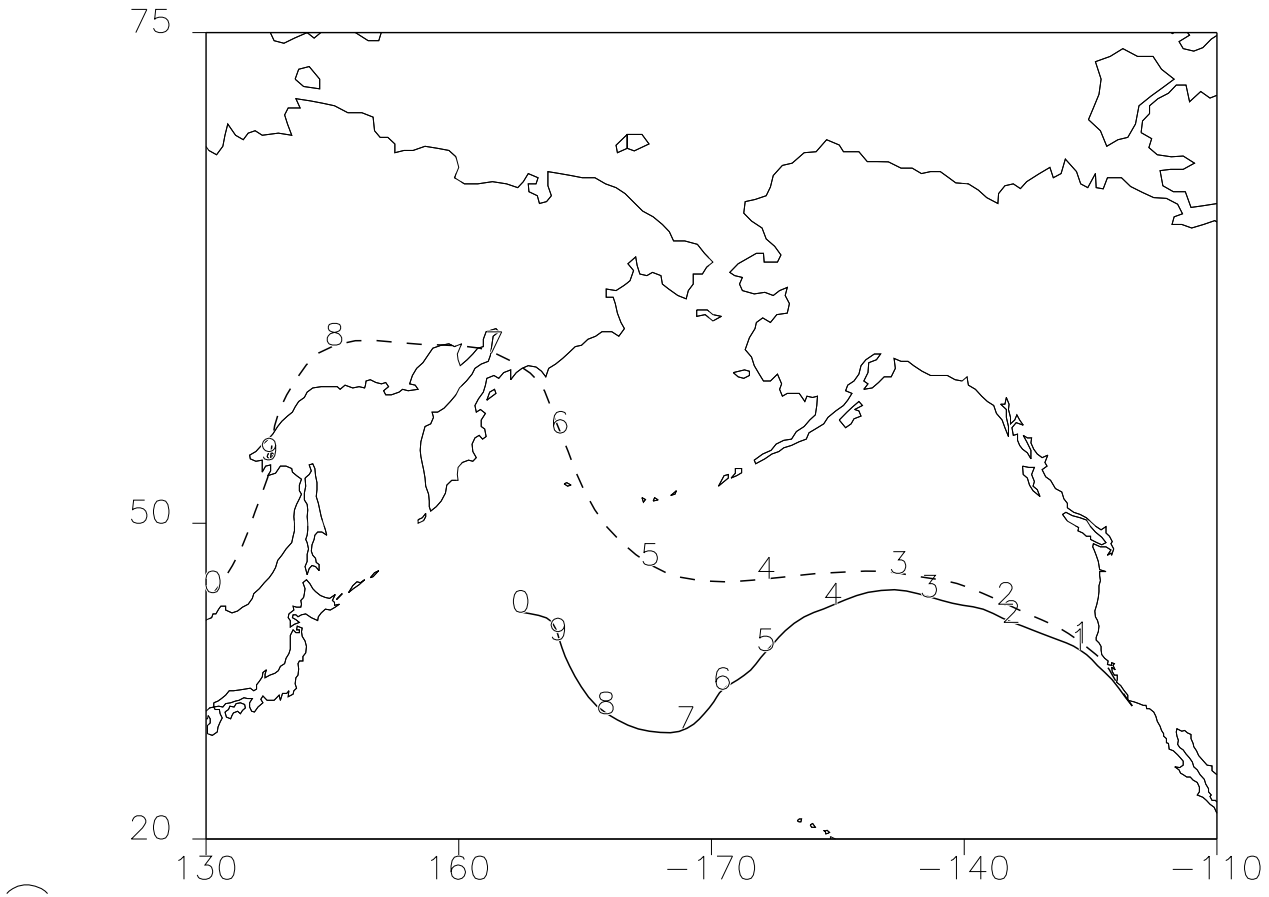
Day	km	hPa	C
0	0.3	979	16
1	0.1	1000	13
2	0.2	1000	13
3	0.3	993	12
4	0.6	962	15
5	0.9	919	14
6	1.5	866	12
7	2.0	811	9
8	2.0	807	9
9	1.4	862	13
10	1.1	901	16

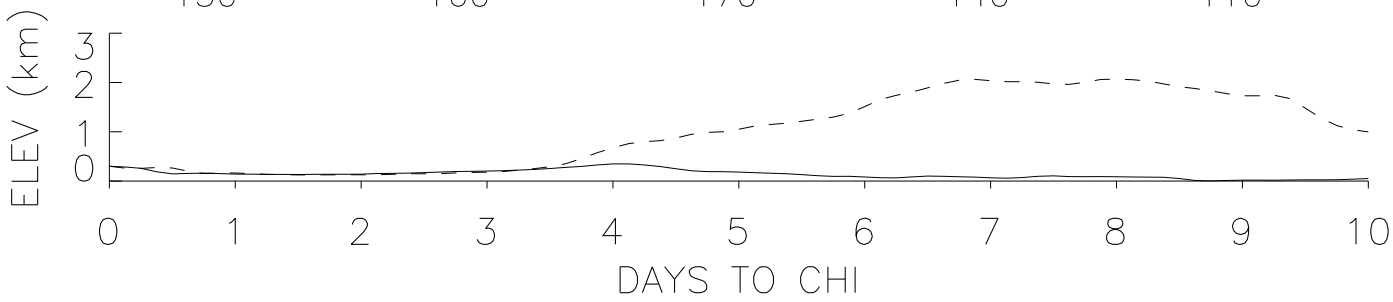
06UT

Day	km	hPa	C
0	0.3	978	16
1	0.1	1000	13
2	0.2	1000	13
3	0.2	996	12
4	0.4	977	15
5	0.8	938	13
6	1.3	886	11
7	1.8	831	10
8	2.2	794	7
9	2.6	752	4
10	3.6	666	−2

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/29/2004 (Day of Year 150)
NCEP/NCAR Reanalysis 1 Data Set





12UT

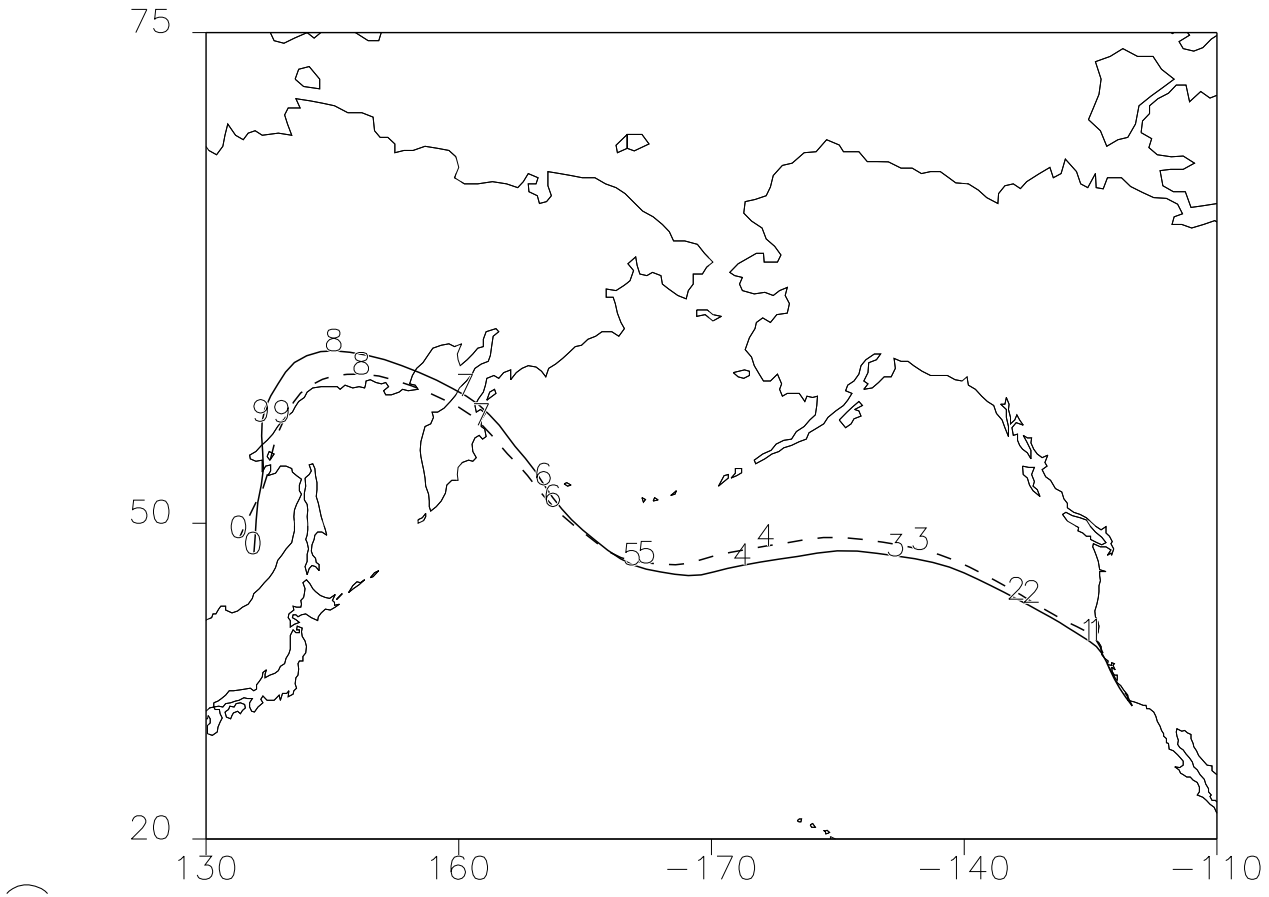
Day	km	hPa	C
0	0.3	978	13
1	0.1	1000	12
2	0.1	1000	11
3	0.2	1000	10
4	0.3	982	11
5	0.2	991	13
6	0.1	994	16
7	0.1	1000	17
8	0.1	993	15
9	0.0	1000	10
10	0.1	1000	8

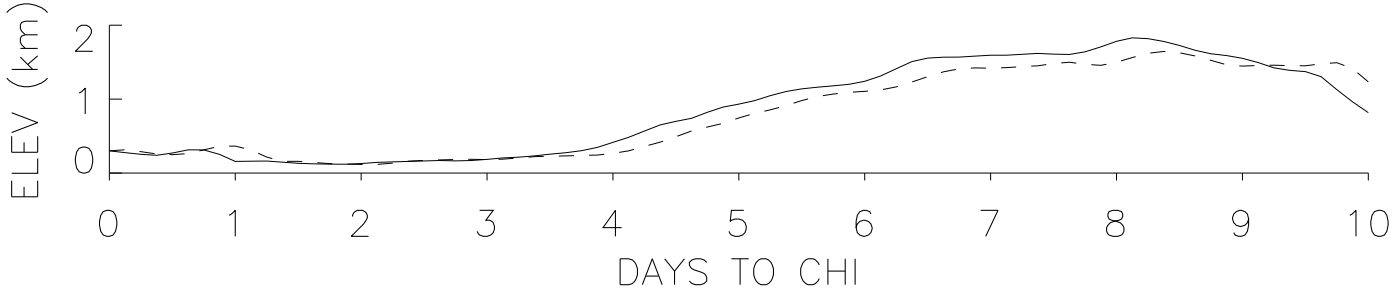
18UT

Day	km	hPa	C
0	0.3	980	17
1	0.2	1000	12
2	0.1	1000	11
3	0.2	1000	7
4	0.7	942	3
5	1.1	887	1
6	1.5	835	−2
7	2.0	787	−6
8	2.1	785	−4
9	1.7	814	1
10	1.0	881	11

12UT – solid
18UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/30/2004 (Day of Year 151)
NCEP/NCAR Reanalysis 1 Data Set





00UT

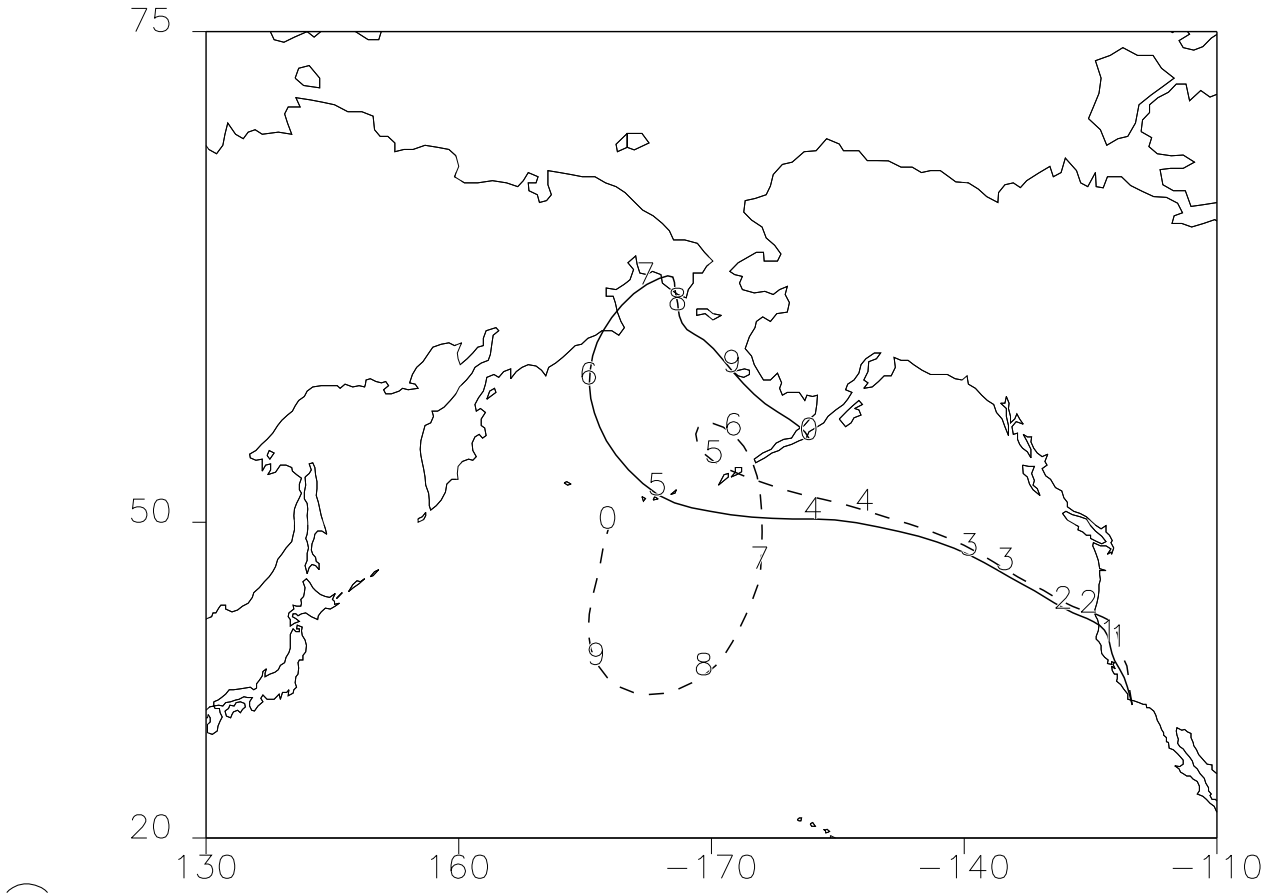
Day	km	hPa	C
0	0.3	978	17
1	0.2	1000	14
2	0.1	999	11
3	0.2	996	7
4	0.4	973	6
5	0.9	905	3
6	1.2	867	2
7	1.6	836	2
8	1.8	816	−3
9	1.6	835	−2
10	0.8	904	9

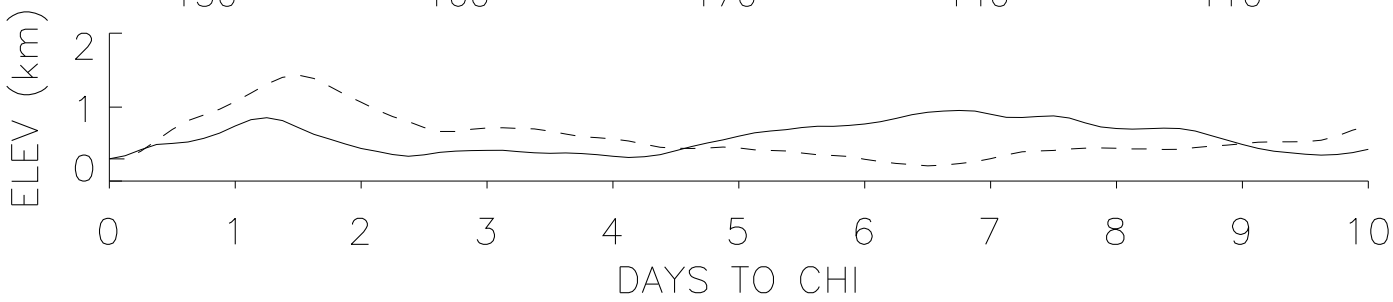
06UT

Day	km	hPa	C
0	0.3	979	17
1	0.4	976	11
2	0.1	1000	11
3	0.2	993	7
4	0.3	989	7
5	0.7	927	3
6	1.1	881	3
7	1.4	852	4
8	1.5	847	2
9	1.4	849	2
10	1.2	859	5

00UT – solid
06UT – dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/30/2004 (Day of Year 151)
NCEP/NCAR Reanalysis 1 Data Set





12UT

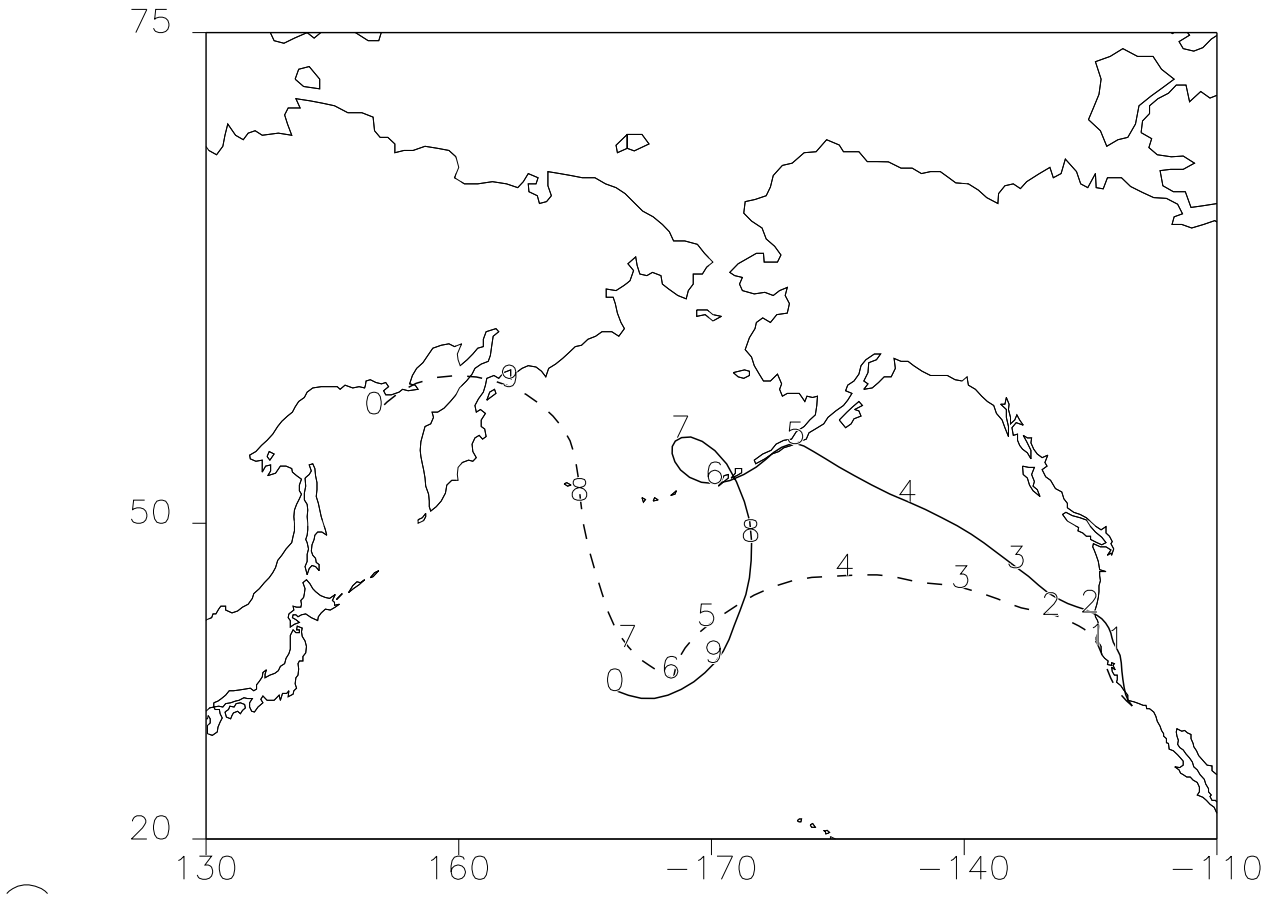
Day	km	hPa	C
0	0.3	979	15
1	0.7	932	8
2	0.4	962	8
3	0.4	962	7
4	0.3	975	5
5	0.6	935	3
6	0.8	908	1
7	0.9	901	1
8	0.7	932	2
9	0.5	963	6
10	0.4	978	5

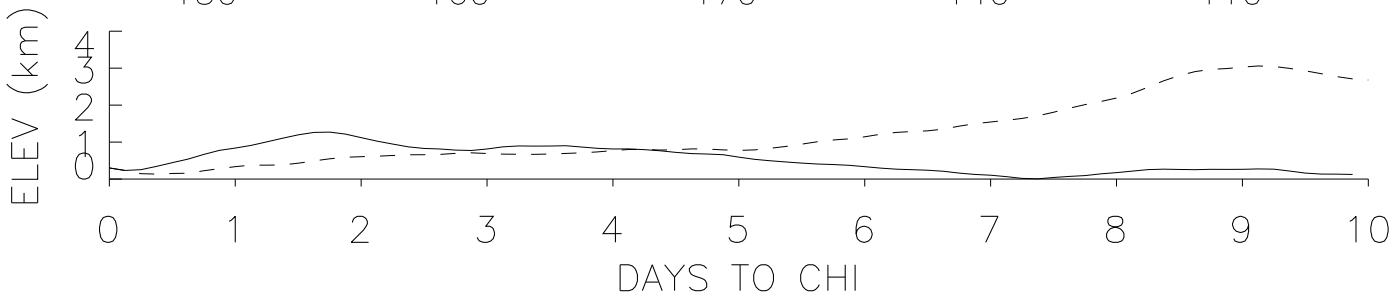
18UT

Day	km	hPa	C
0	0.3	980	21
1	1.1	896	11
2	1.1	894	4
3	0.7	927	5
4	0.6	943	4
5	0.4	948	4
6	0.3	954	6
7	0.3	963	9
8	0.4	951	11
9	0.5	942	6
10	0.7	921	2

12UT − solid
18UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/31/2004 (Day of Year 152)
NCEP/NCAR Reanalysis 1 Data Set





00UT

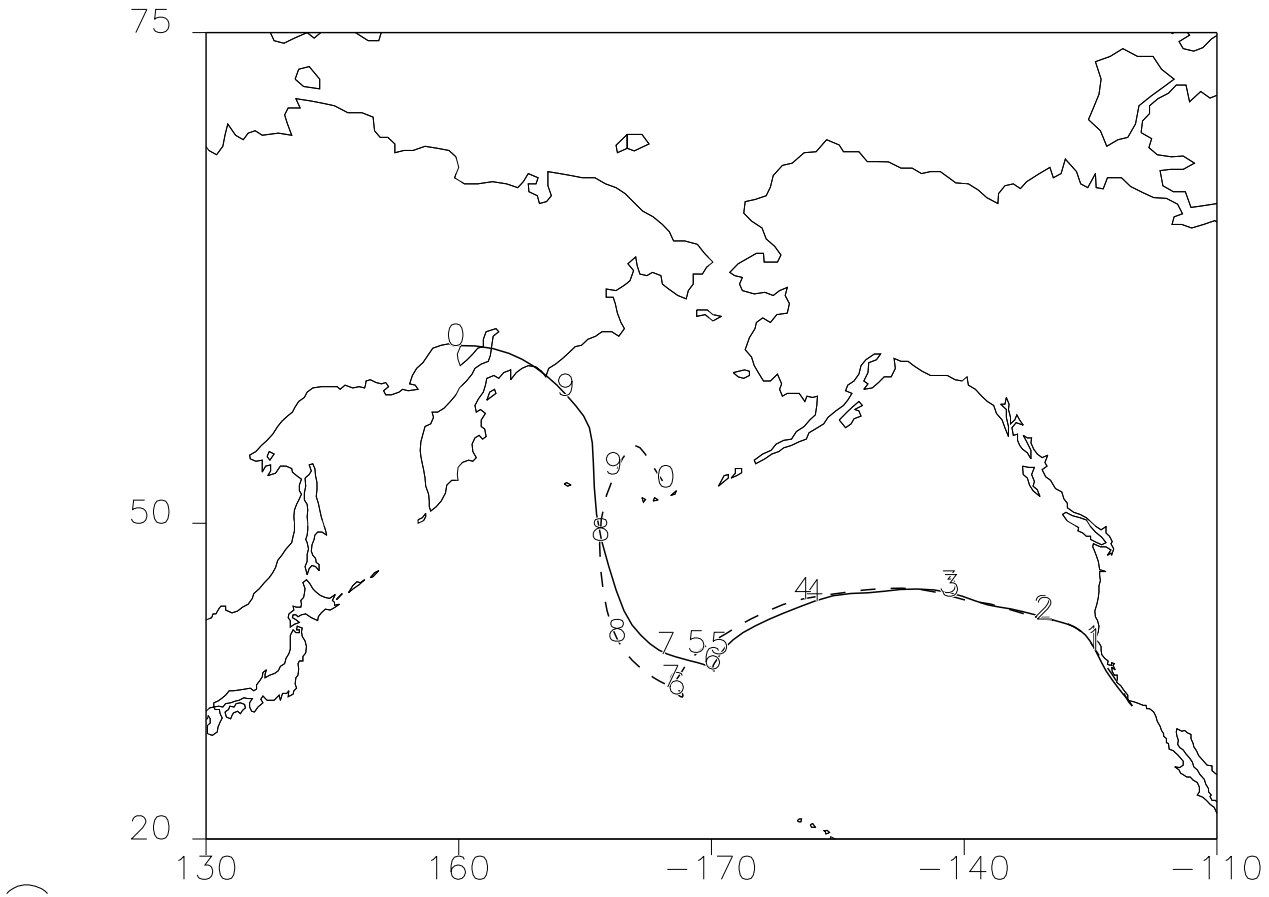
Day	km	hPa	C
0	0.3	978	23
1	0.8	921	16
2	1.1	889	5
3	0.8	916	5
4	0.8	912	2
5	0.6	930	2
6	0.3	951	2
7	0.1	977	5
8	0.1	981	9
9	0.3	964	13
10	0.1	982	15

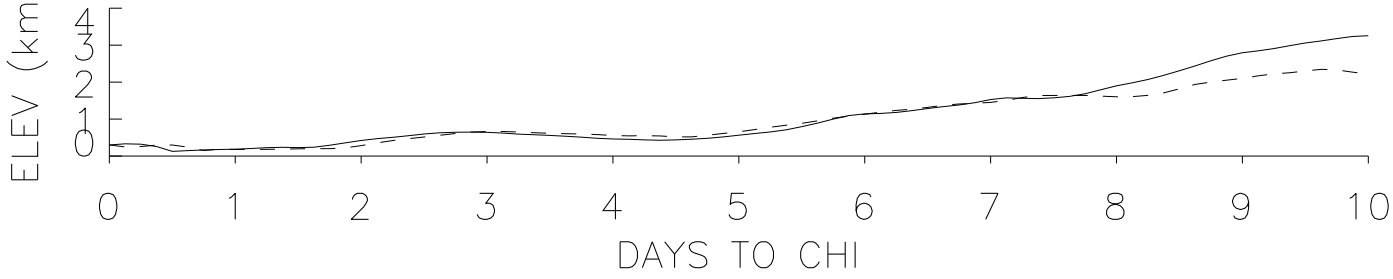
06UT

Day	km	hPa	C
0	0.3	979	19
1	0.3	981	12
2	0.6	949	9
3	0.7	936	5
4	0.8	931	5
5	0.8	935	8
6	1.1	893	7
7	1.5	840	4
8	2.2	768	−1
9	3.0	700	−6
10	2.7	735	−1

00UT − solid
06UT − dashed

3-D KINEMATIC TRAJECTORIES TO CHI(34.02N, 120.05W)
5/31/2004 (Day of Year 152)
NCEP/NCAR Reanalysis 1 Data Set





12UT

Day	km	hPa	C
0	0.3	977	18
1	0.2	999	11
2	0.4	971	10
3	0.6	942	8
4	0.5	968	11
5	0.6	964	12
6	1.1	896	8
7	1.5	843	5
8	1.9	794	1
9	2.8	718	−5
10	3.3	681	−8

18UT

Day	km	hPa	C
0	0.3	978	22
1	0.2	1000	15
2	0.3	989	10
3	0.7	942	10
4	0.6	955	12
5	0.7	951	12
6	1.1	897	9
7	1.5	855	7
8	1.6	829	4
9	2.1	777	1
10	2.2	769	1

12UT − solid
18UT − dashed