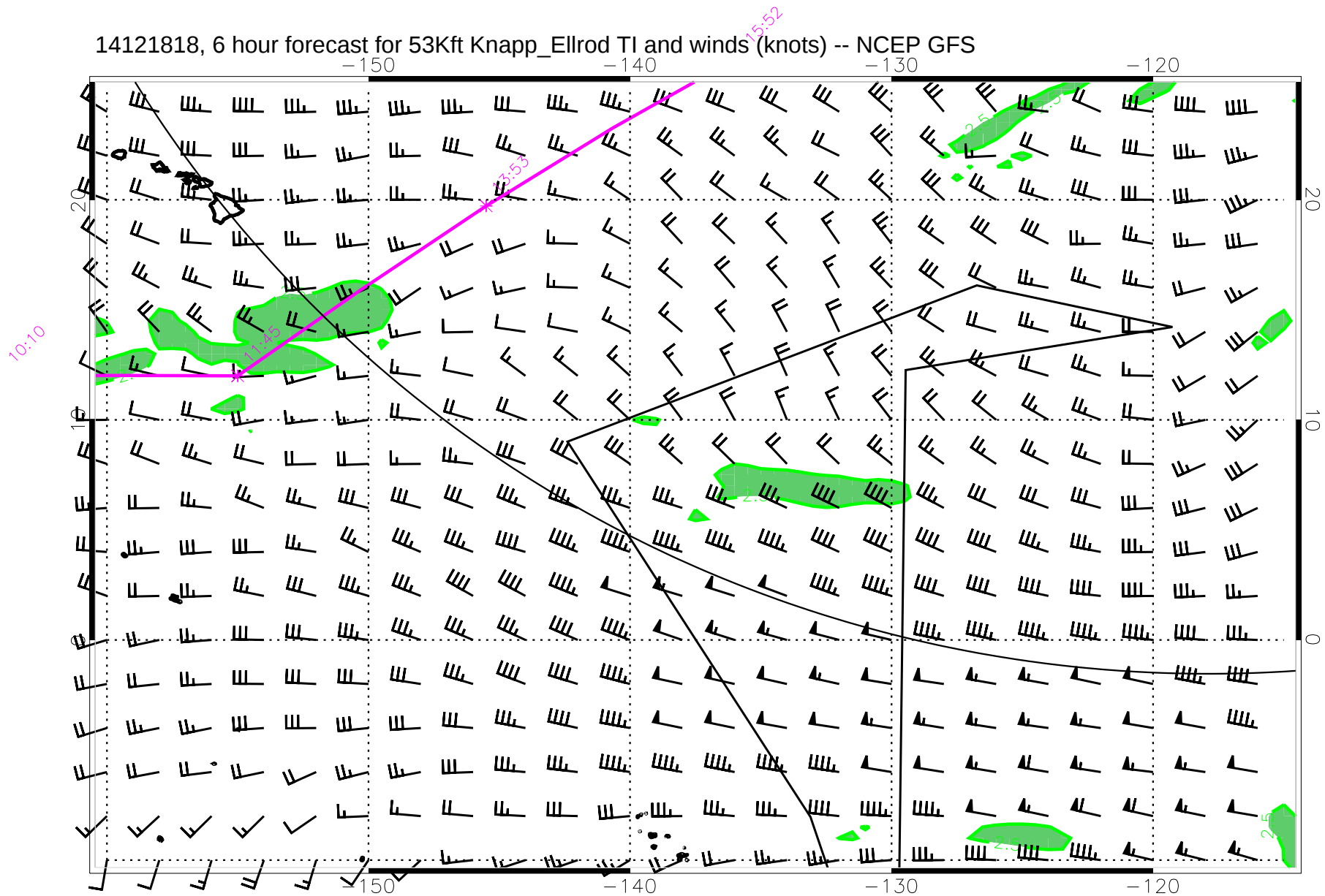
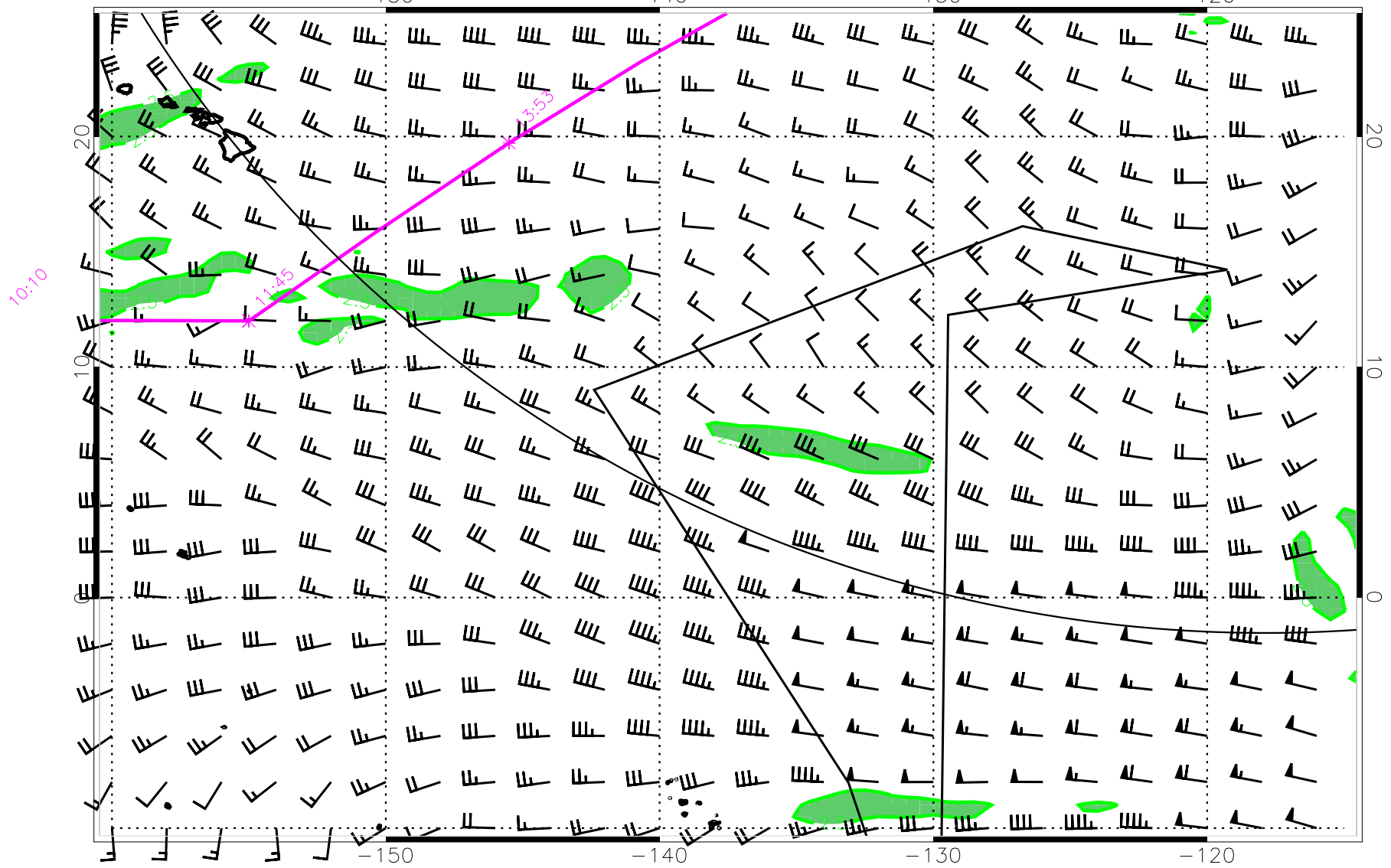


14121818, 6 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



Turb value = 7 Turb value = 2.5

Time (hr)	Wind Speed (knots)	Wave Height (m)	Wave Period (s)	Wave Direction (deg)	Wave Growth Rate (m/s)	Wave Decay Rate (m/s)	Wave Growth Rate (m/s)	Wave Decay Rate (m/s)
12:00	15	1.5	8	100	0.1	0.1	0.1	0.1
13:00	16	1.6	8	100	0.1	0.1	0.1	0.1
14:00	17	1.7	8	100	0.1	0.1	0.1	0.1
15:00	18	1.8	8	100	0.1	0.1	0.1	0.1
16:00	19	1.9	8	100	0.1	0.1	0.1	0.1
17:00	20	2.0	8	100	0.1	0.1	0.1	0.1
18:00	21	2.1	8	100	0.1	0.1	0.1	0.1
19:00	22	2.2	8	100	0.1	0.1	0.1	0.1
20:00	23	2.3	8	100	0.1	0.1	0.1	0.1
21:00	24	2.4	8	100	0.1	0.1	0.1	0.1
22:00	25	2.5	8	100	0.1	0.1	0.1	0.1
23:00	26	2.6	8	100	0.1	0.1	0.1	0.1
24:00	27	2.7	8	100	0.1	0.1	0.1	0.1
25:00	28	2.8	8	100	0.1	0.1	0.1	0.1
26:00	29	2.9	8	100	0.1	0.1	0.1	0.1
27:00	30	3.0	8	100	0.1	0.1	0.1	0.1
28:00	31	3.1	8	100	0.1	0.1	0.1	0.1
29:00	32	3.2	8	100	0.1	0.1	0.1	0.1
30:00	33	3.3	8	100	0.1	0.1	0.1	0.1
31:00	34	3.4	8	100	0.1	0.1	0.1	0.1
32:00	35	3.5	8	100	0.1	0.1	0.1	0.1
33:00	36	3.6	8	100	0.1	0.1	0.1	0.1
34:00	37	3.7	8	100	0.1	0.1	0.1	0.1
35:00	38	3.8	8	100	0.1	0.1	0.1	0.1
36:00	39	3.9	8	100	0.1	0.1	0.1	0.1
37:00	40	4.0	8	100	0.1	0.1	0.1	0.1
38:00	41	4.1	8	100	0.1	0.1	0.1	0.1
39:00	42	4.2	8	100	0.1	0.1	0.1	0.1
40:00	43	4.3	8	100	0.1	0.1	0.1	0.1
41:00	44	4.4	8	100	0.1	0.1	0.1	0.1
42:00	45	4.5	8	100	0.1	0.1	0.1	0.1
43:00	46	4.6	8	100	0.1	0.1	0.1	0.1
44:00	47	4.7	8	100	0.1	0.1	0.1	0.1
45:00	48	4.8	8	100	0.1	0.1	0.1	0.1
46:00	49	4.9	8	100	0.1	0.1	0.1	0.1
47:00	50	5.0	8	100	0.1	0.1	0.1	0.1
48:00	51	5.1	8	100	0.1	0.1	0.1	0.1
49:00	52	5.2	8	100	0.1	0.1	0.1	0.1
50:00	53	5.3	8	100	0.1	0.1	0.1	0.1
51:00	54	5.4	8	100	0.1	0.1	0.1	0.1
52:00	55	5.5	8	100	0.1	0.1	0.1	0.1
53:00	56	5.6	8	100	0.1	0.1	0.1	0.1
54:00	57	5.7	8	100	0.1	0.1	0.1	0.1
55:00	58	5.8	8	100	0.1	0.1	0.1	0.1
56:00	59	5.9	8	100	0.1	0.1	0.1	0.1
57:00	60	6.0	8	100	0.1	0		

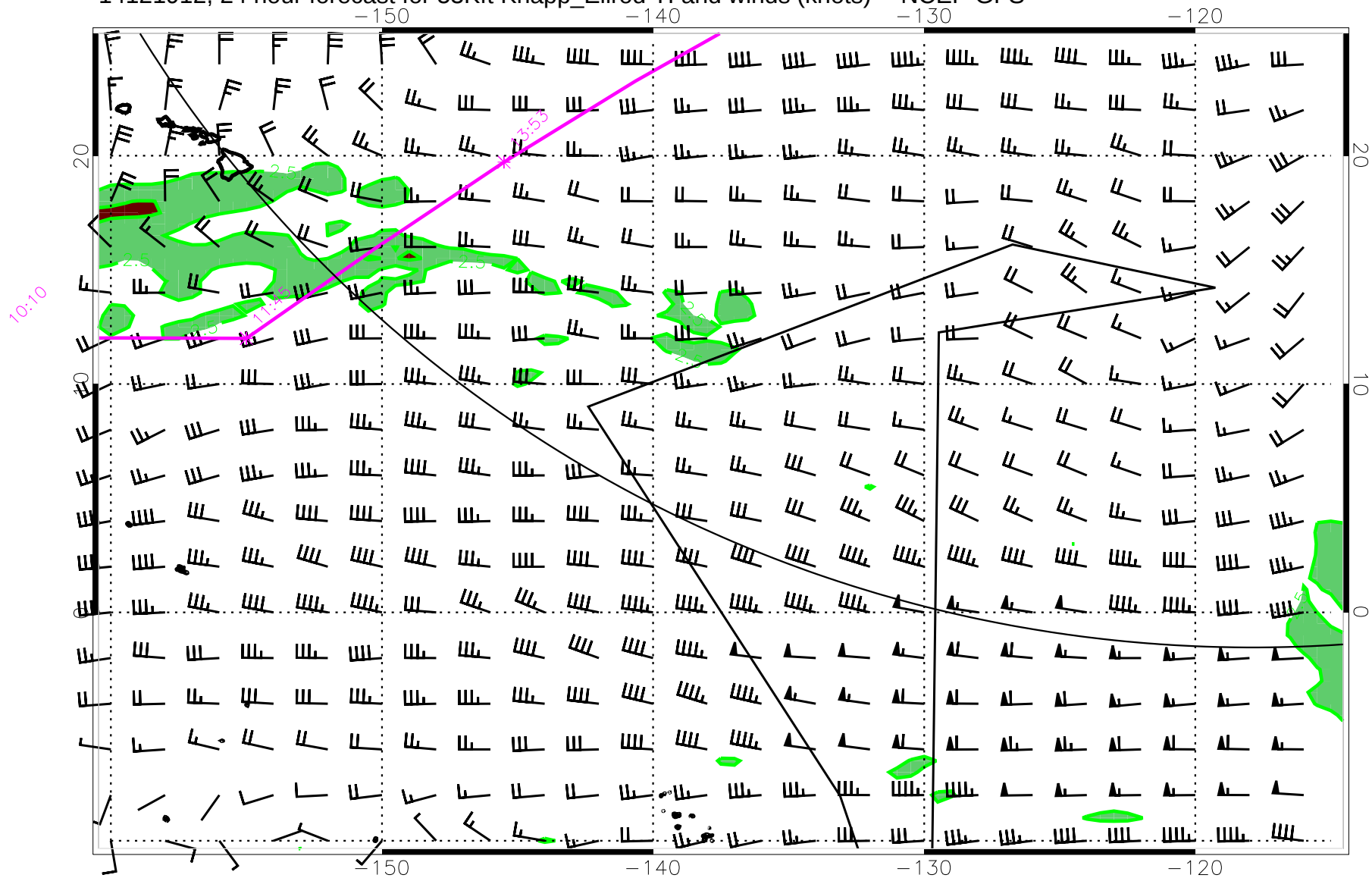


Turb value = 7 Turb value = 2.5

5:52

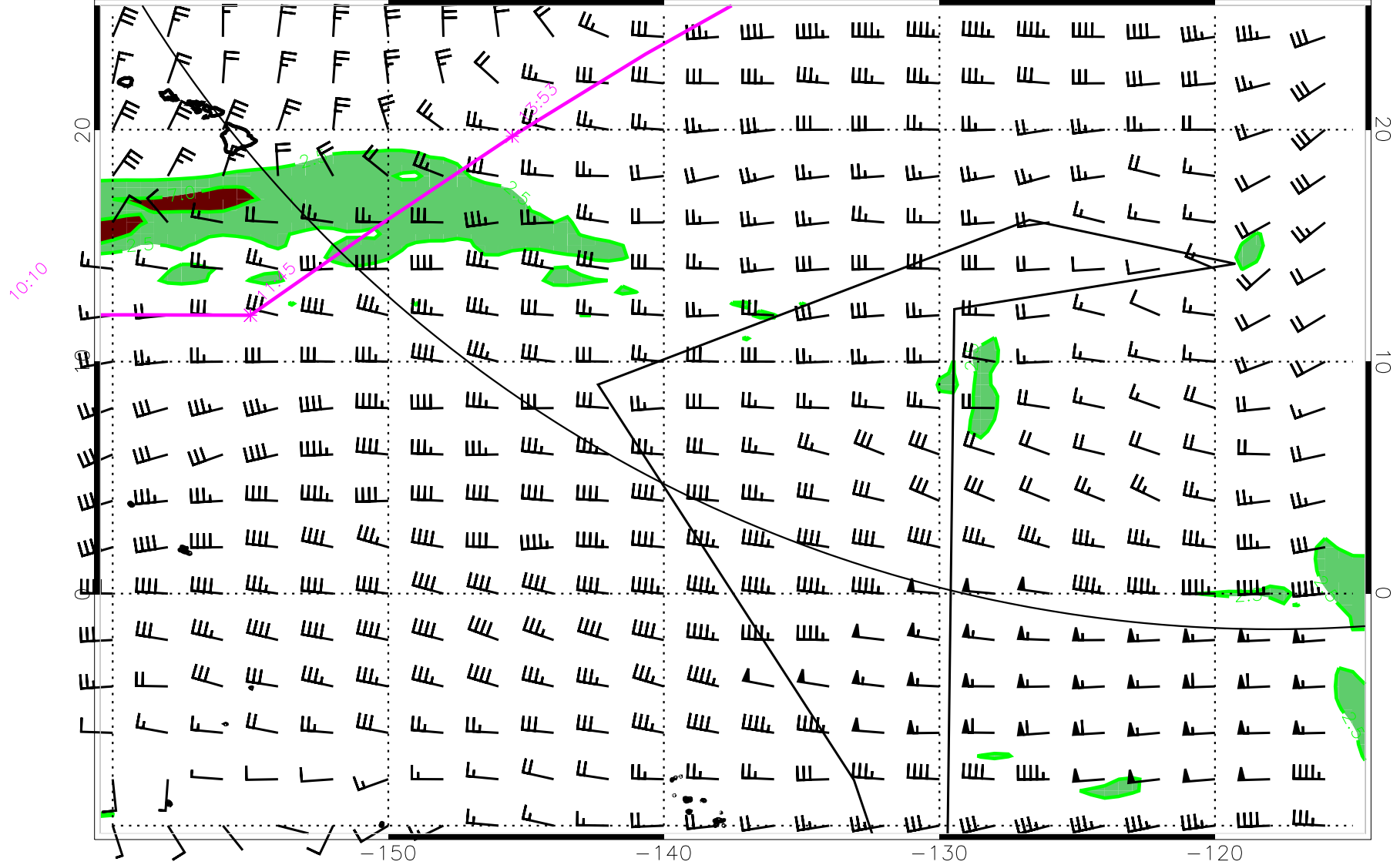


14121912, 24 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



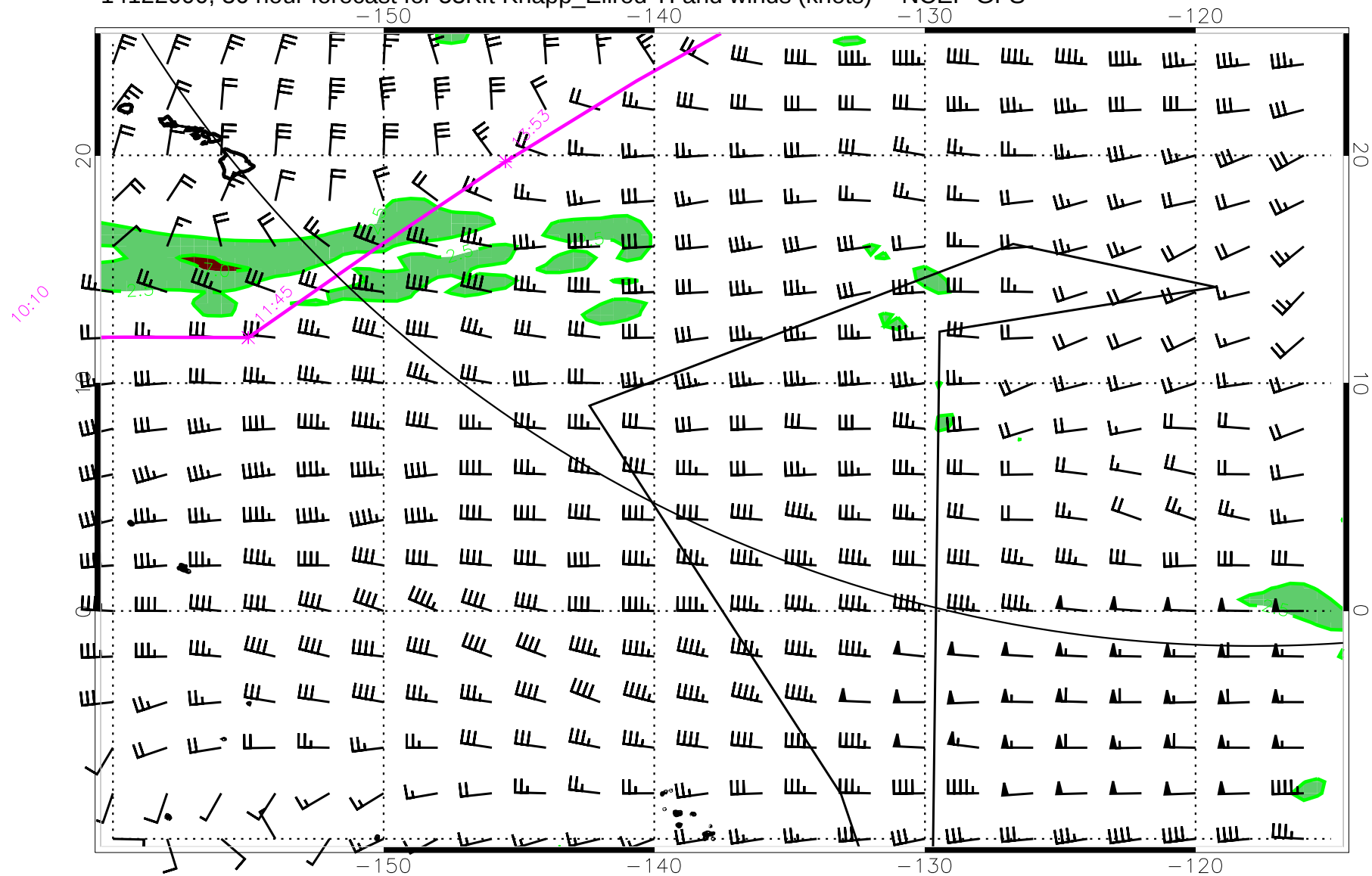
Turb value = 7 Turb value = 2.5

14121918, 30 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



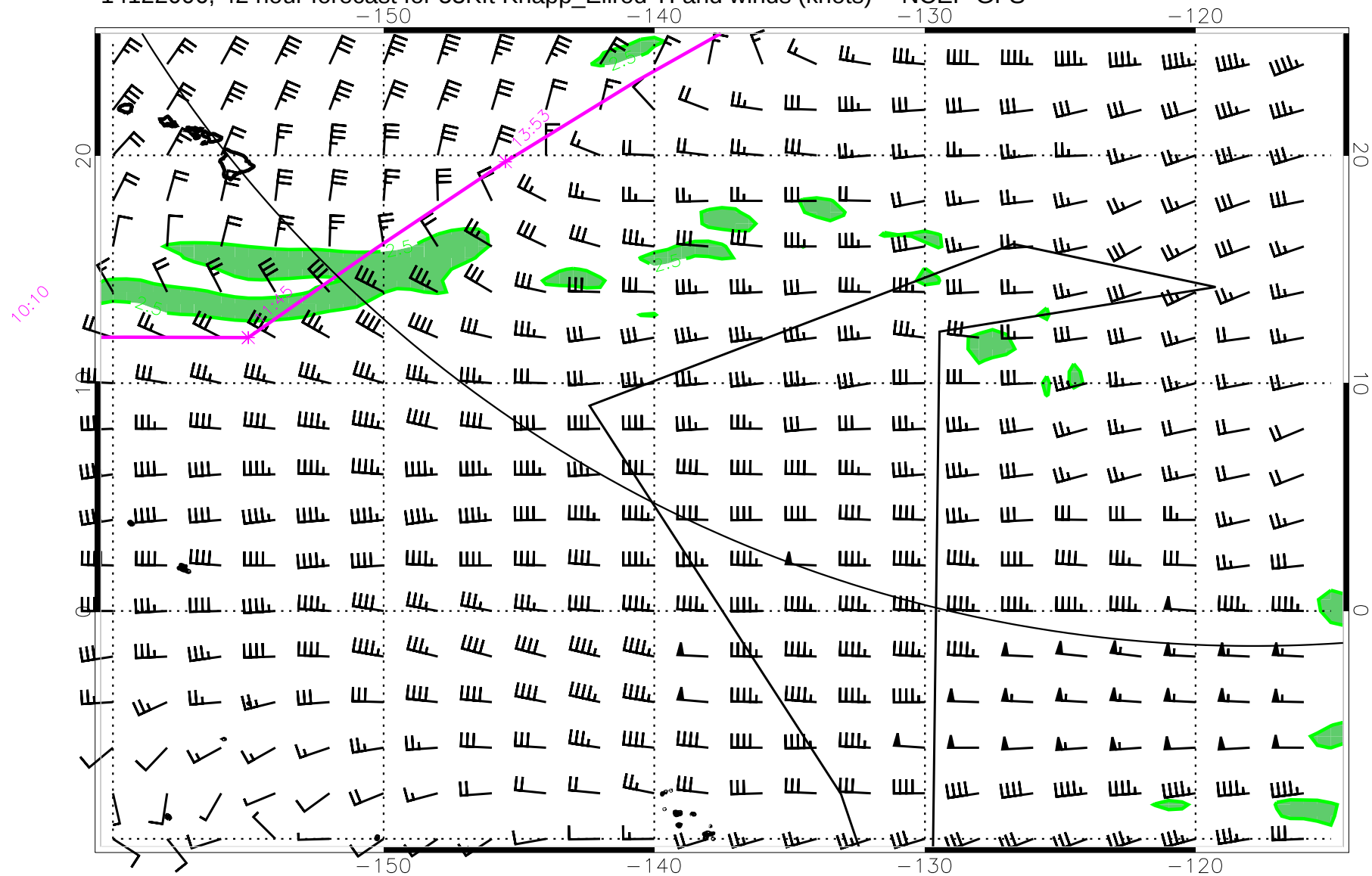
Turb value = 7 Turb value = 2.5

14122000, 36 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



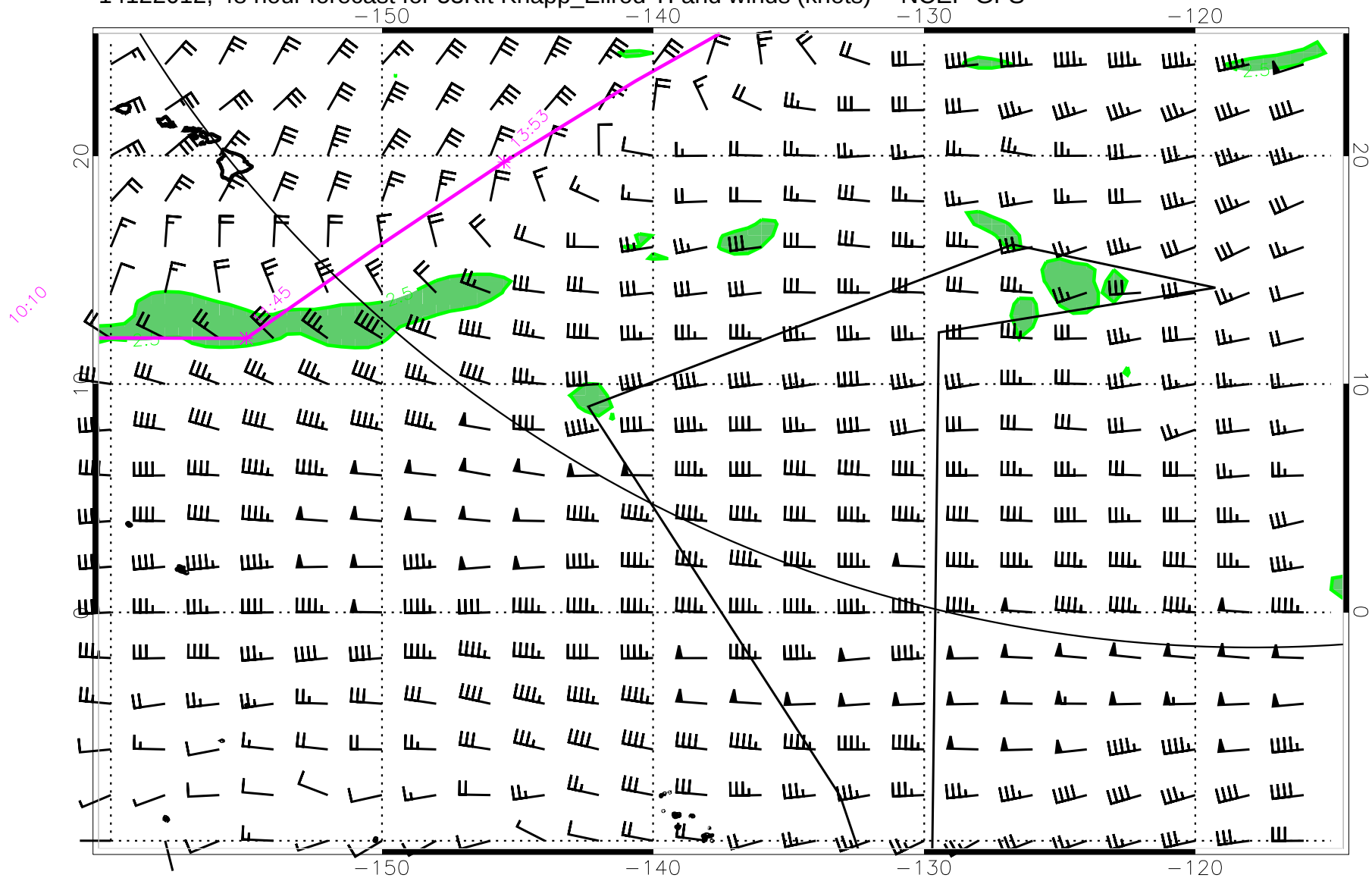
Turb value = 7 Turb value = 2.5

14122006, 42 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



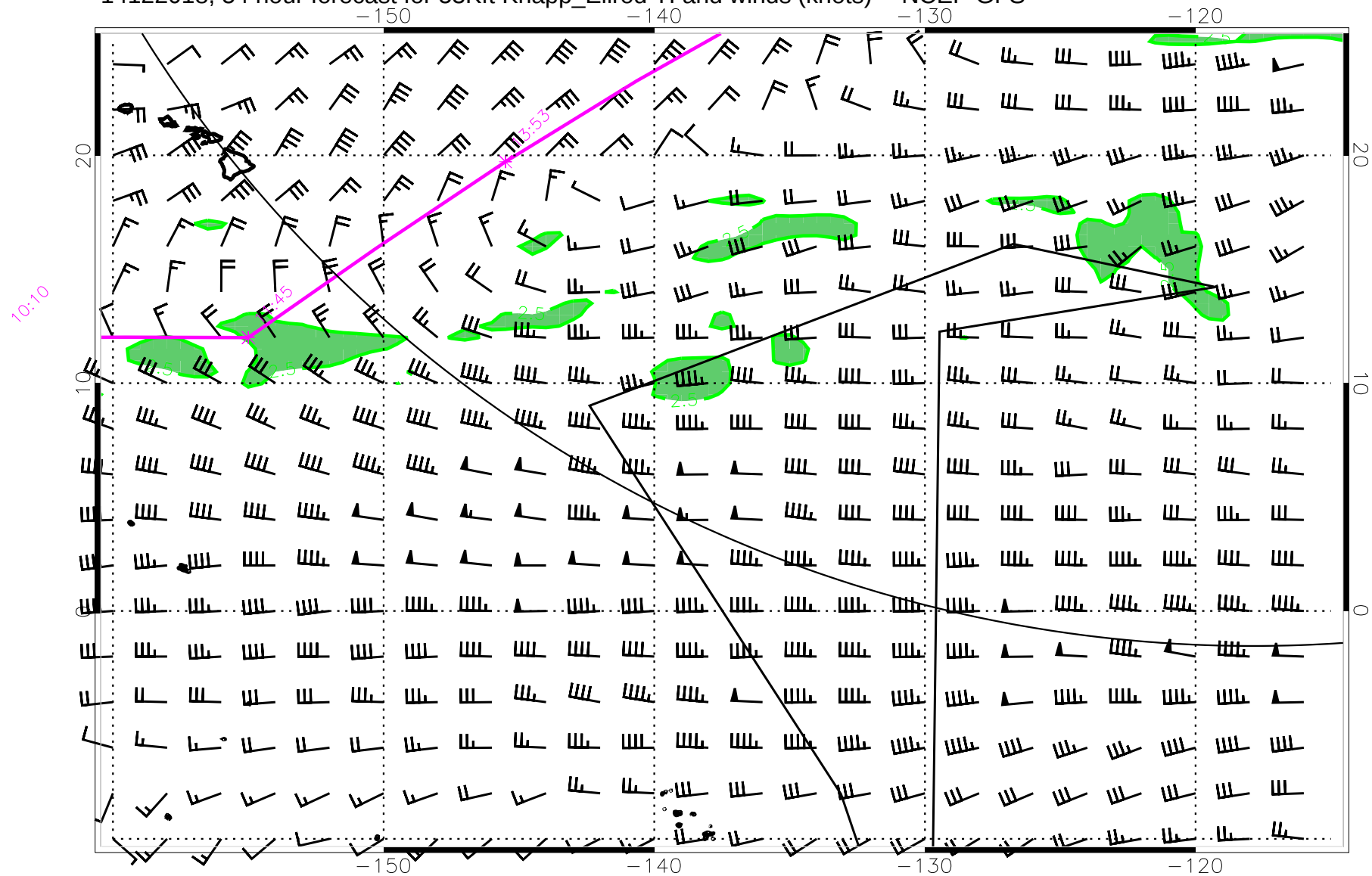
Turb value = 7 Turb value = 2.5

14122012, 48 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



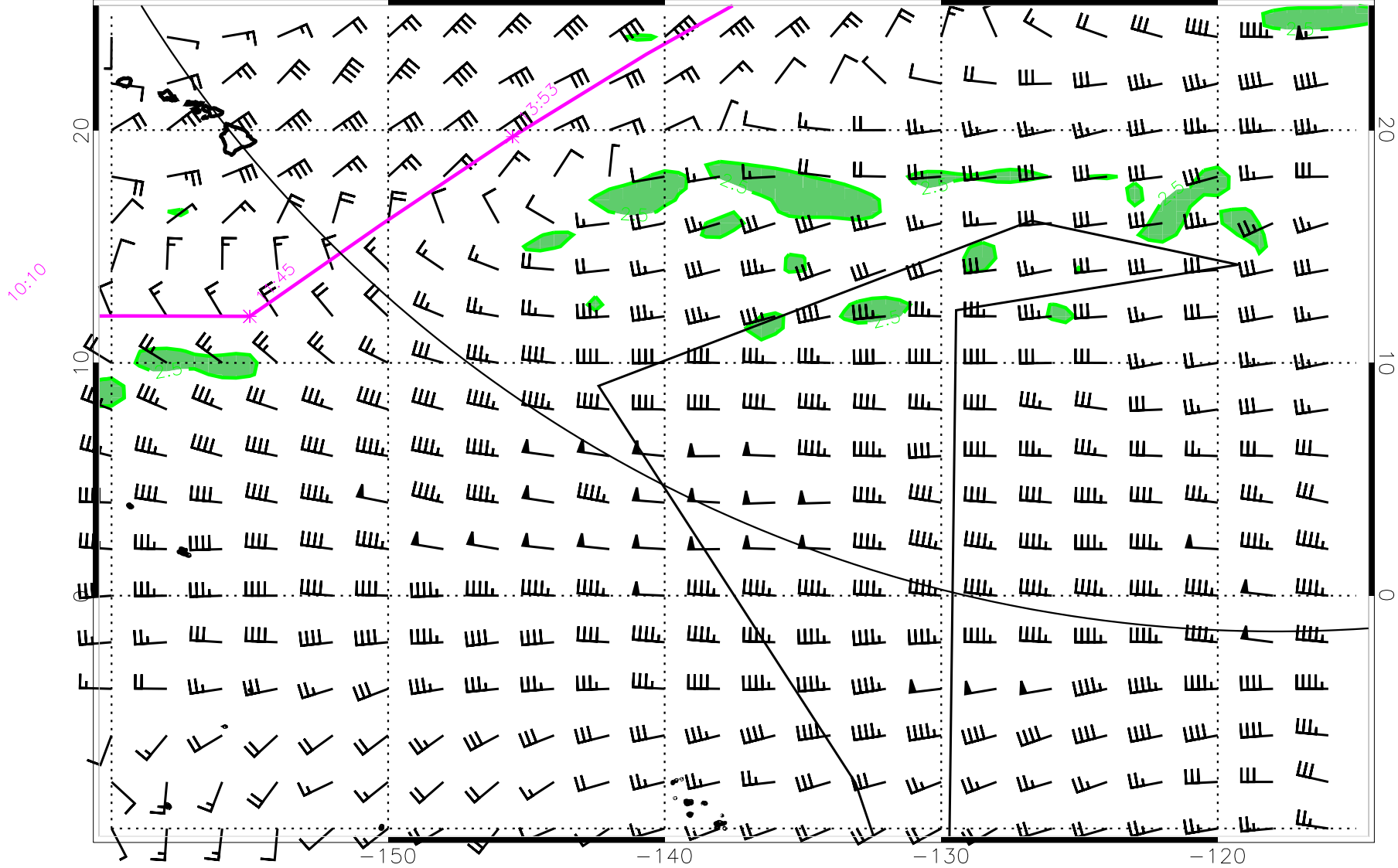
Turb value = 7 Turb value = 2.5

14122018, 54 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



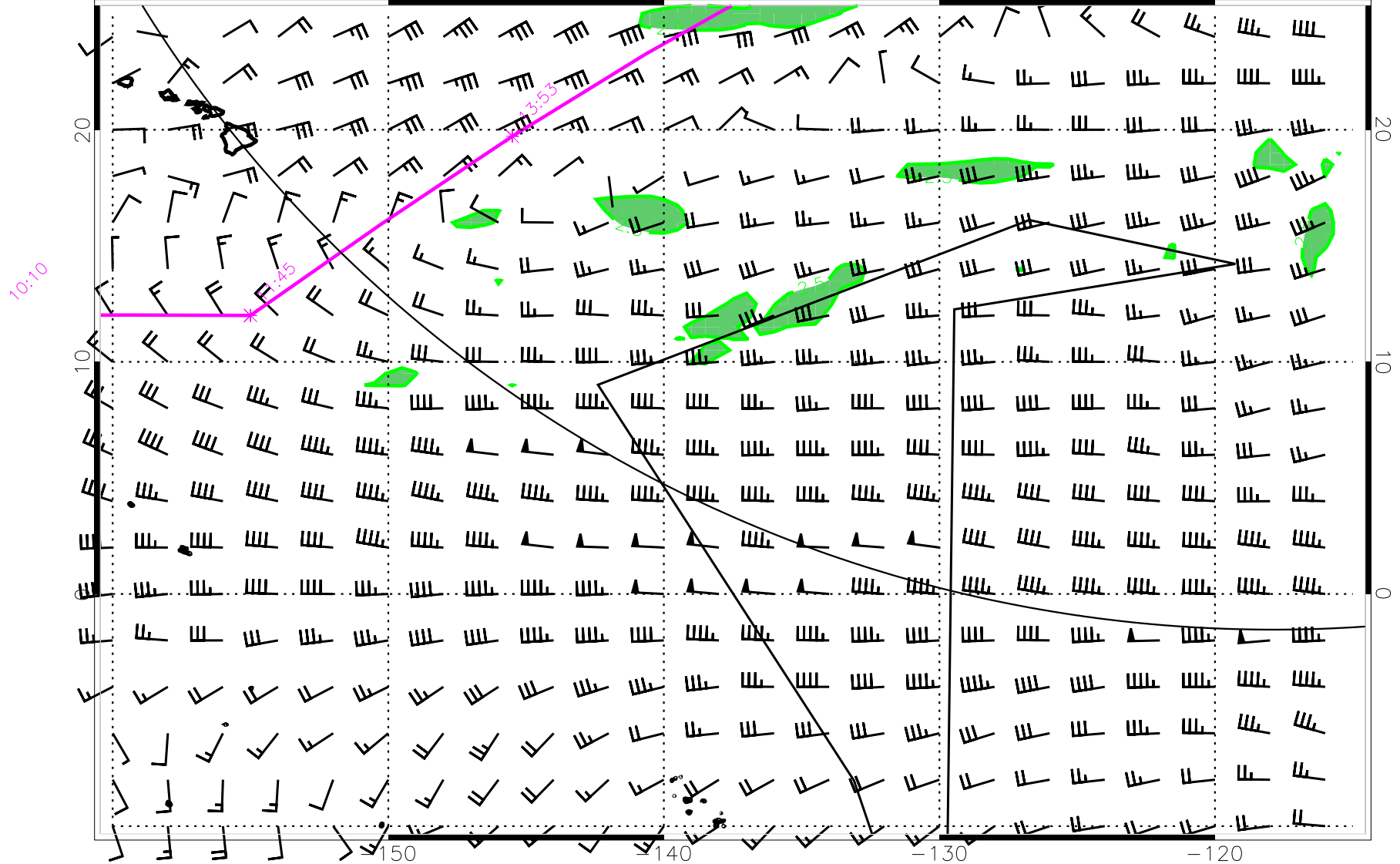
Turb value = 7 Turb value = 2.5

14122100, 60 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS

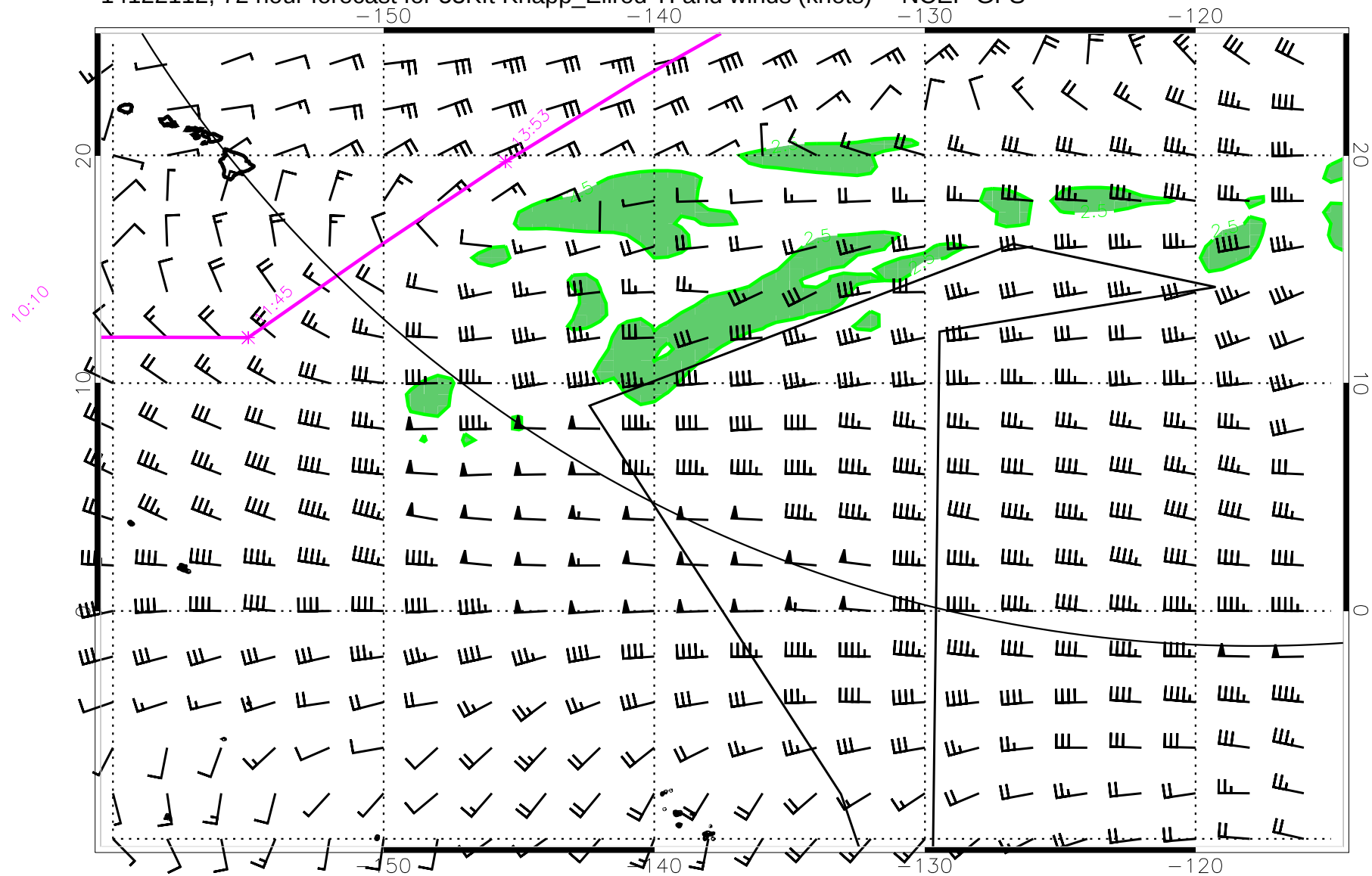


Turb value = 7 Turb value = 2.5

14122106, 66 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS

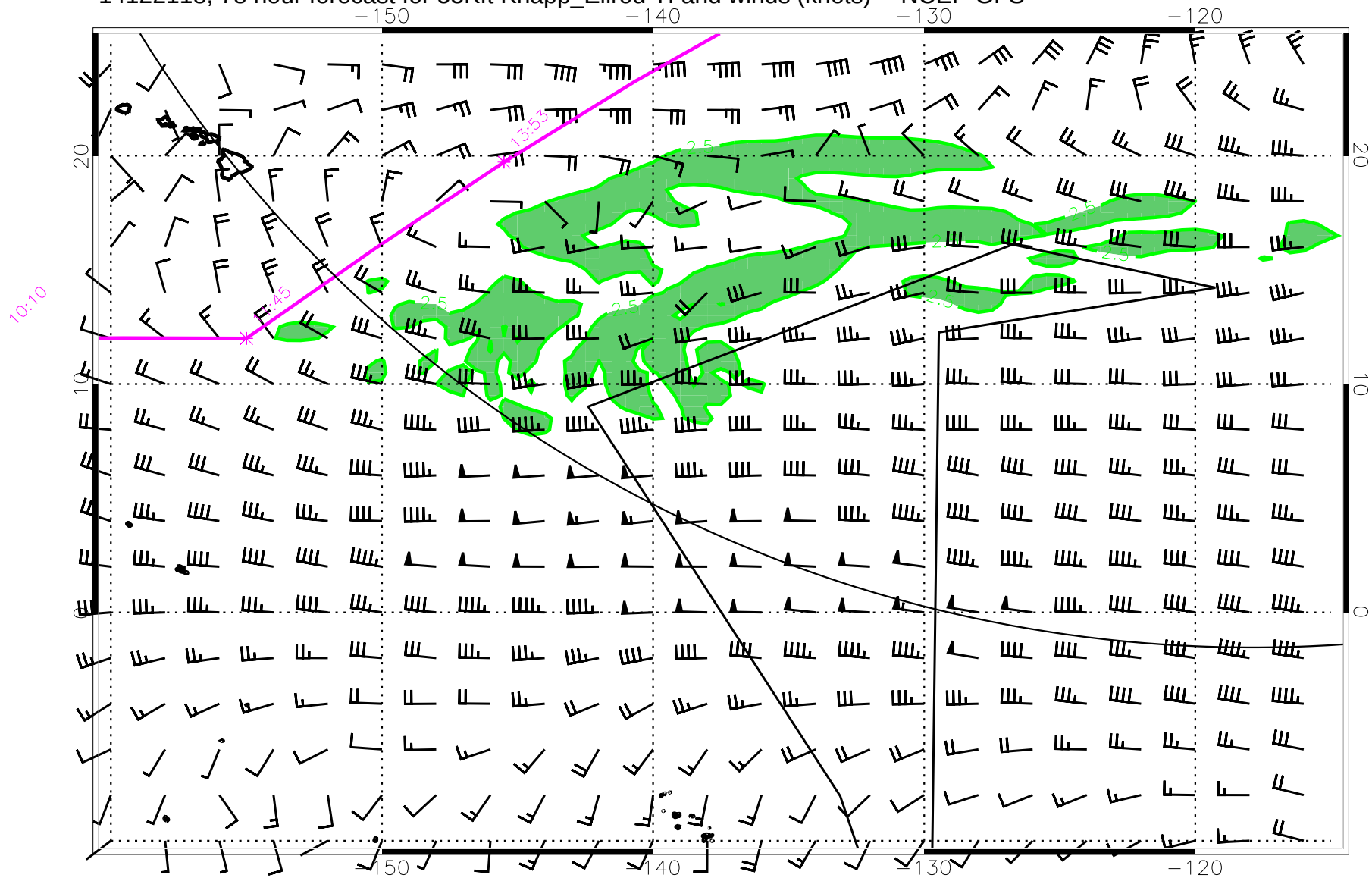


14122112, 72 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



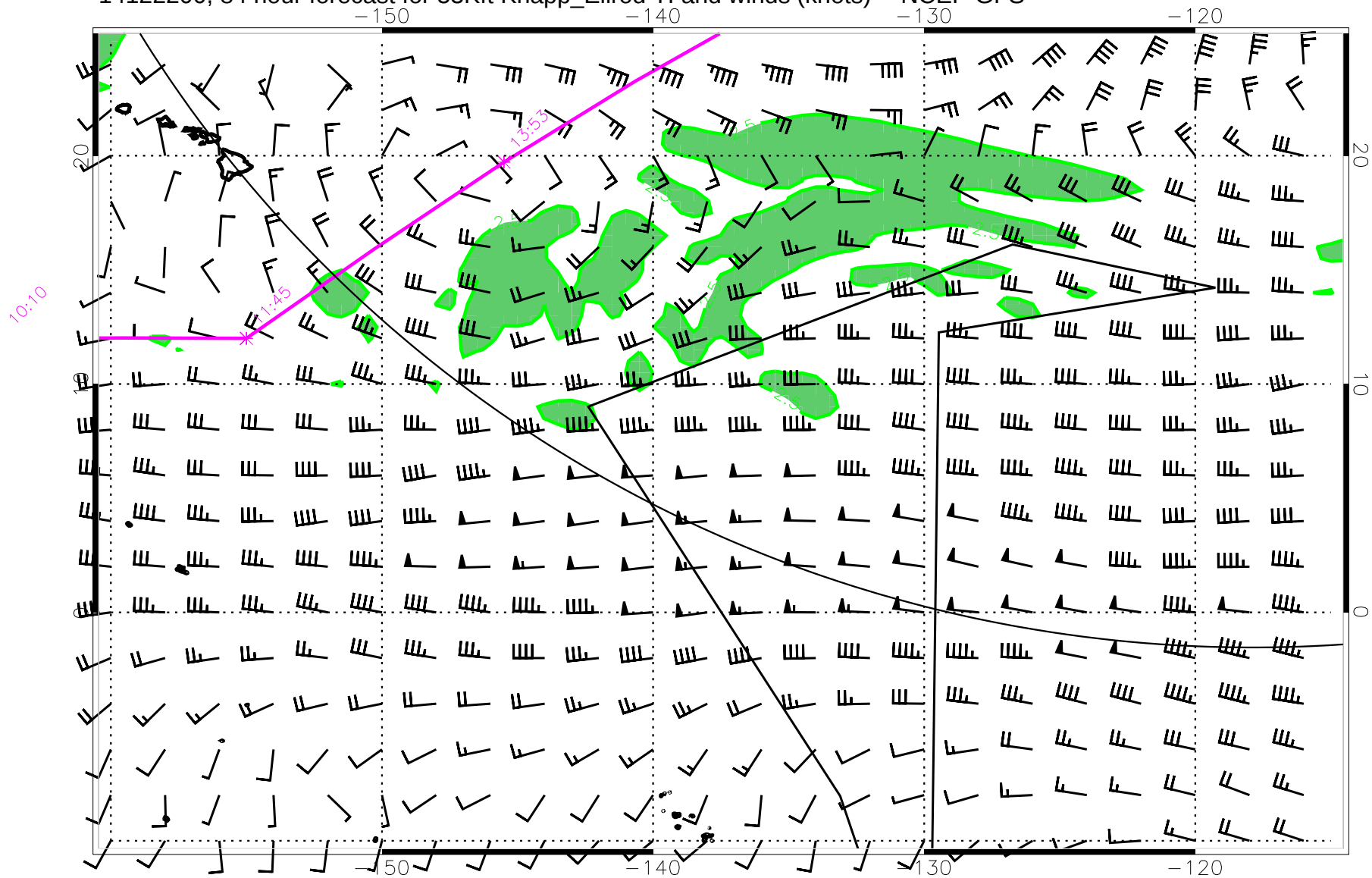
Turb value = 7 Turb value = 2.5

14122118, 78 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



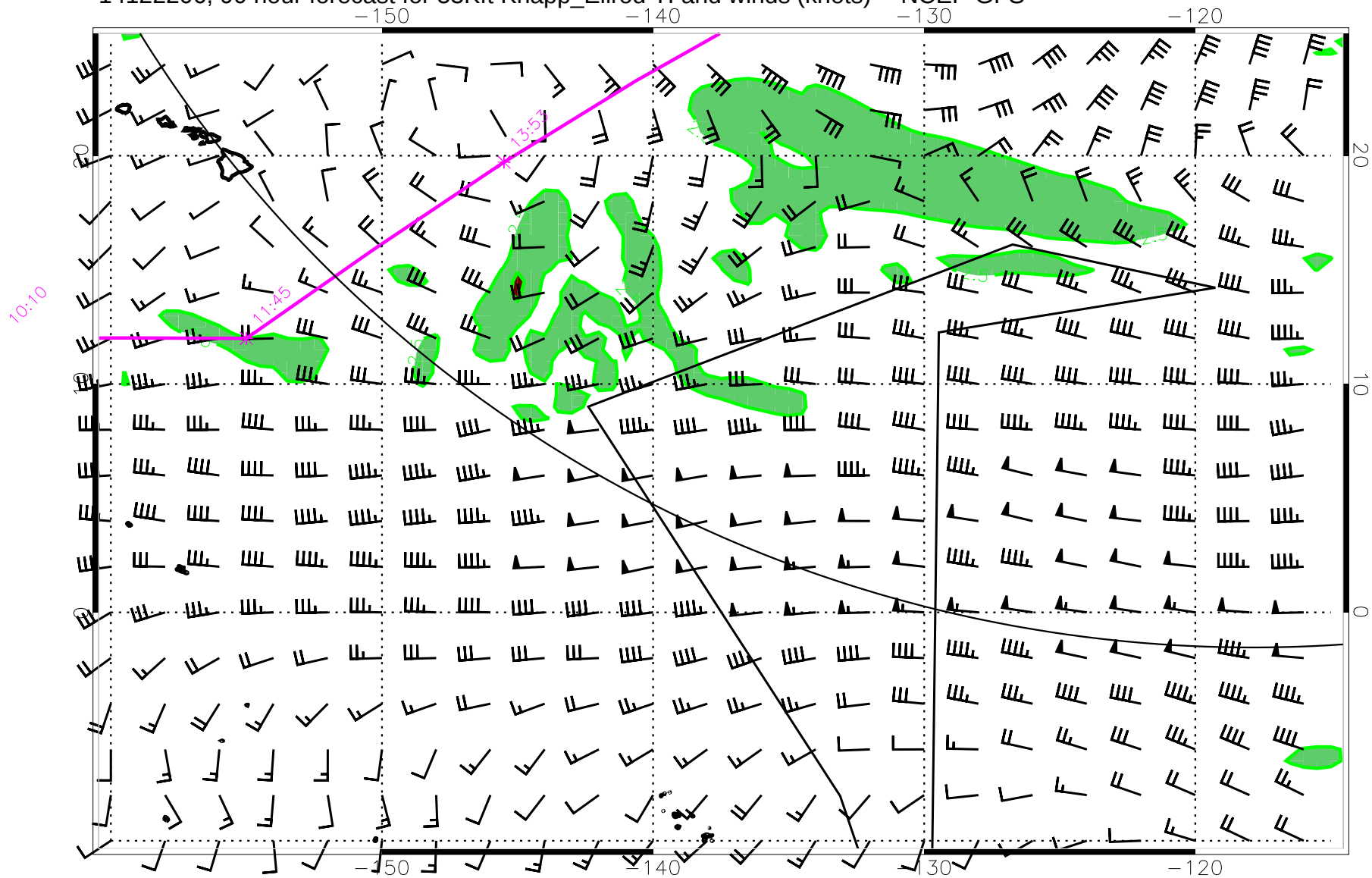
Turb value = 7 Turb value = 2.5

14122200, 84 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



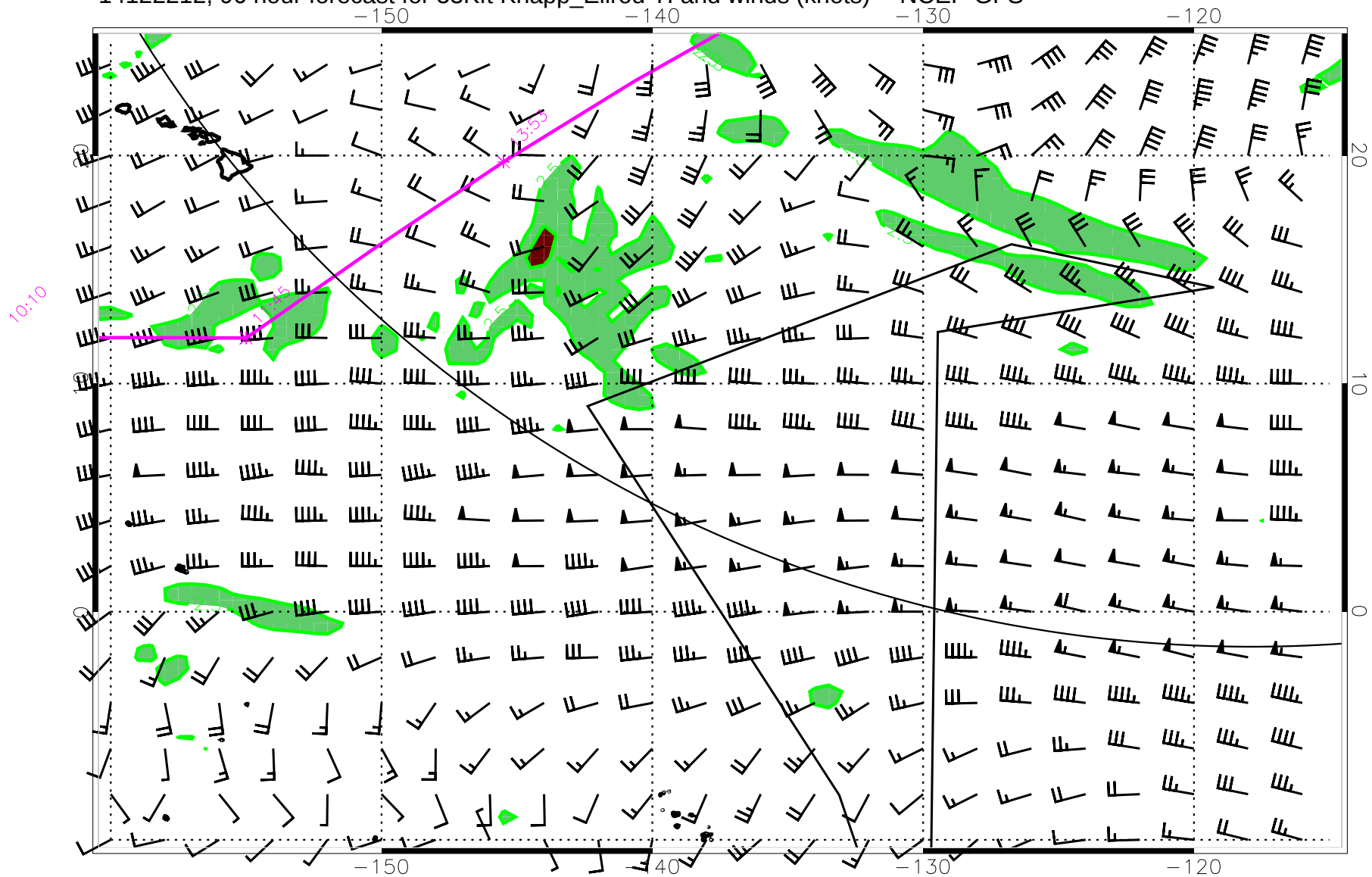
Turb value = 7 Turb value = 2.5

14122206, 90 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



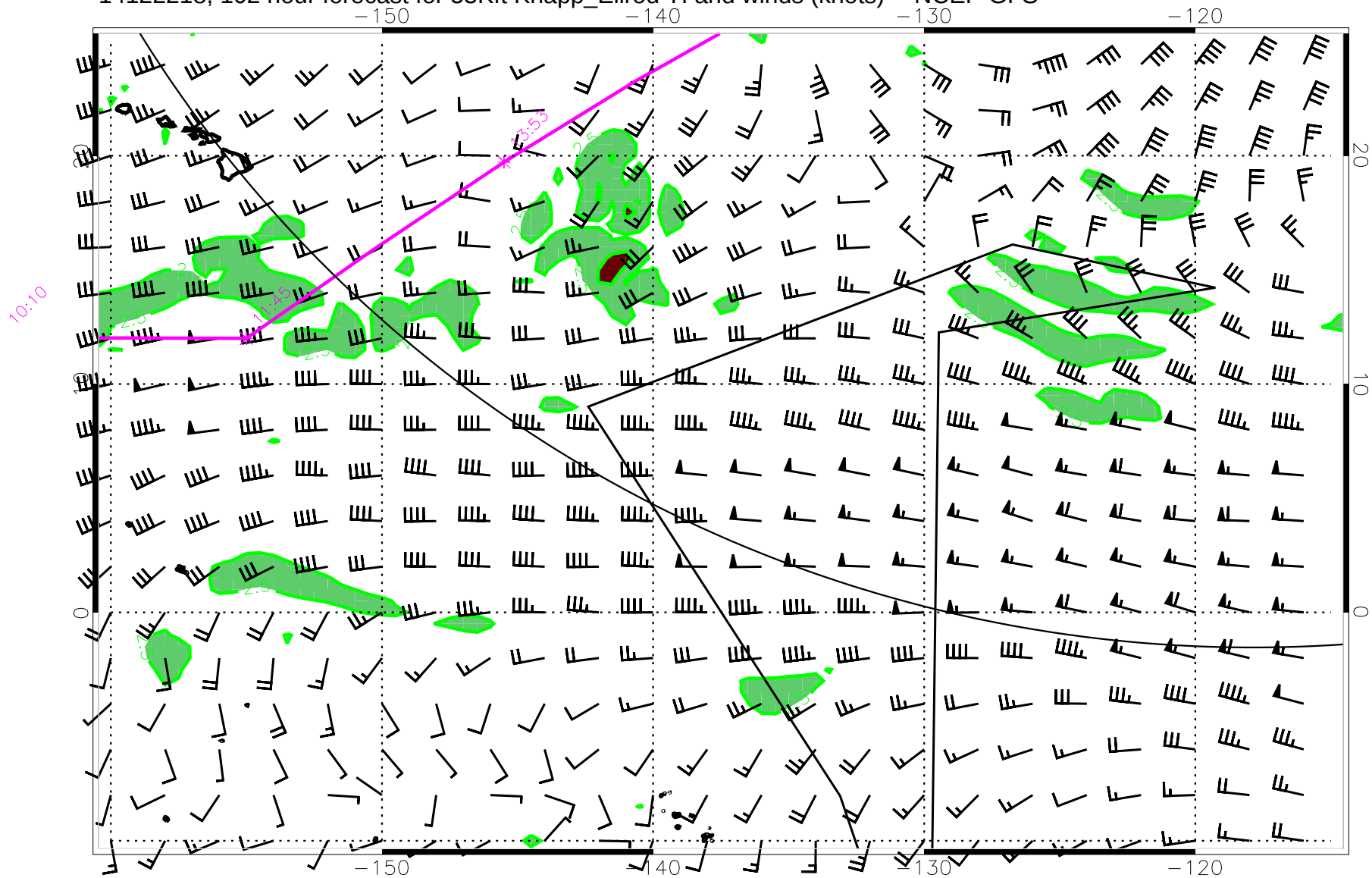
Turb value = 7 Turb value = 2.5

14122212, 96 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



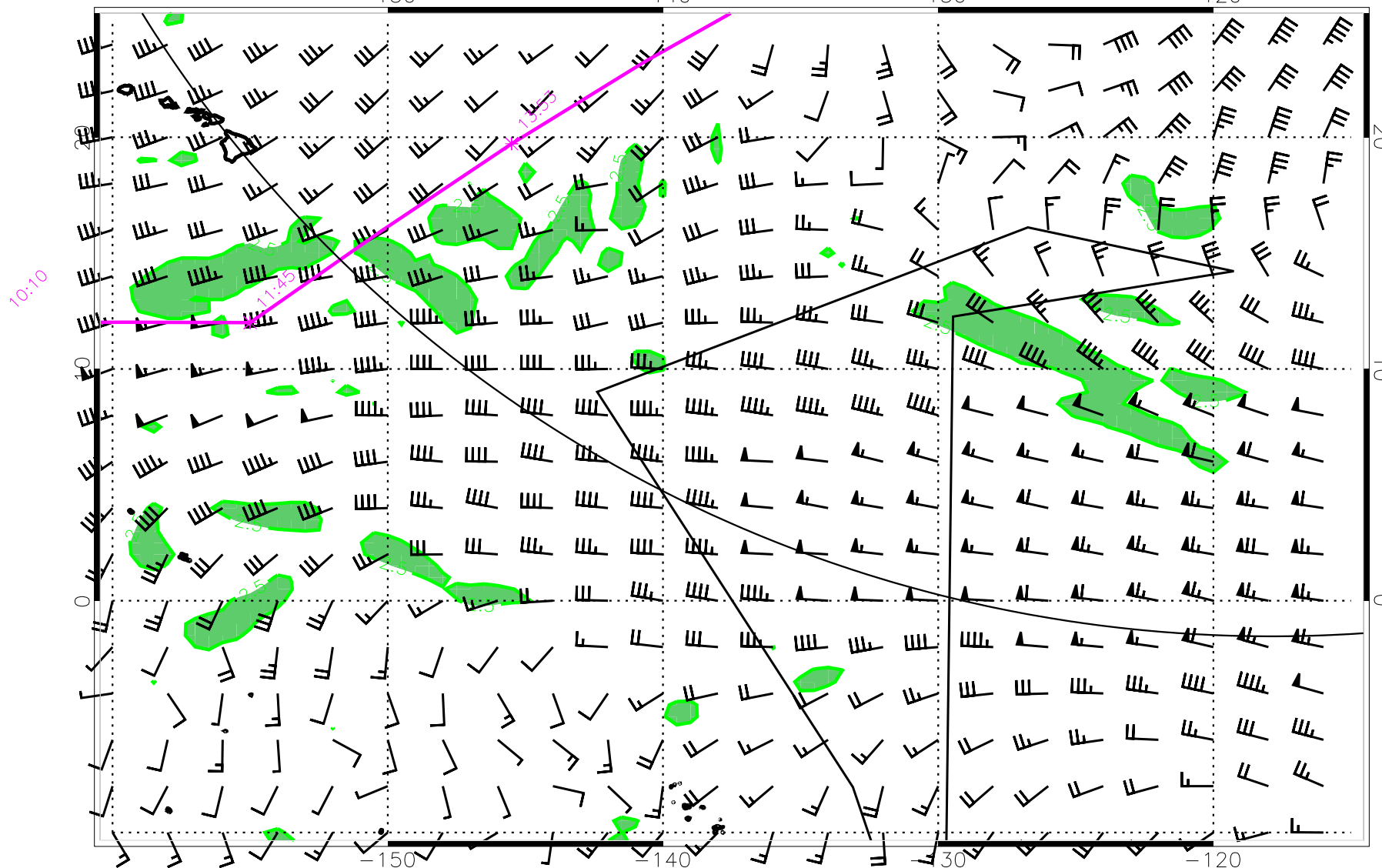
Turb value = 7 Turb value = 2.5

14122218, 102 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



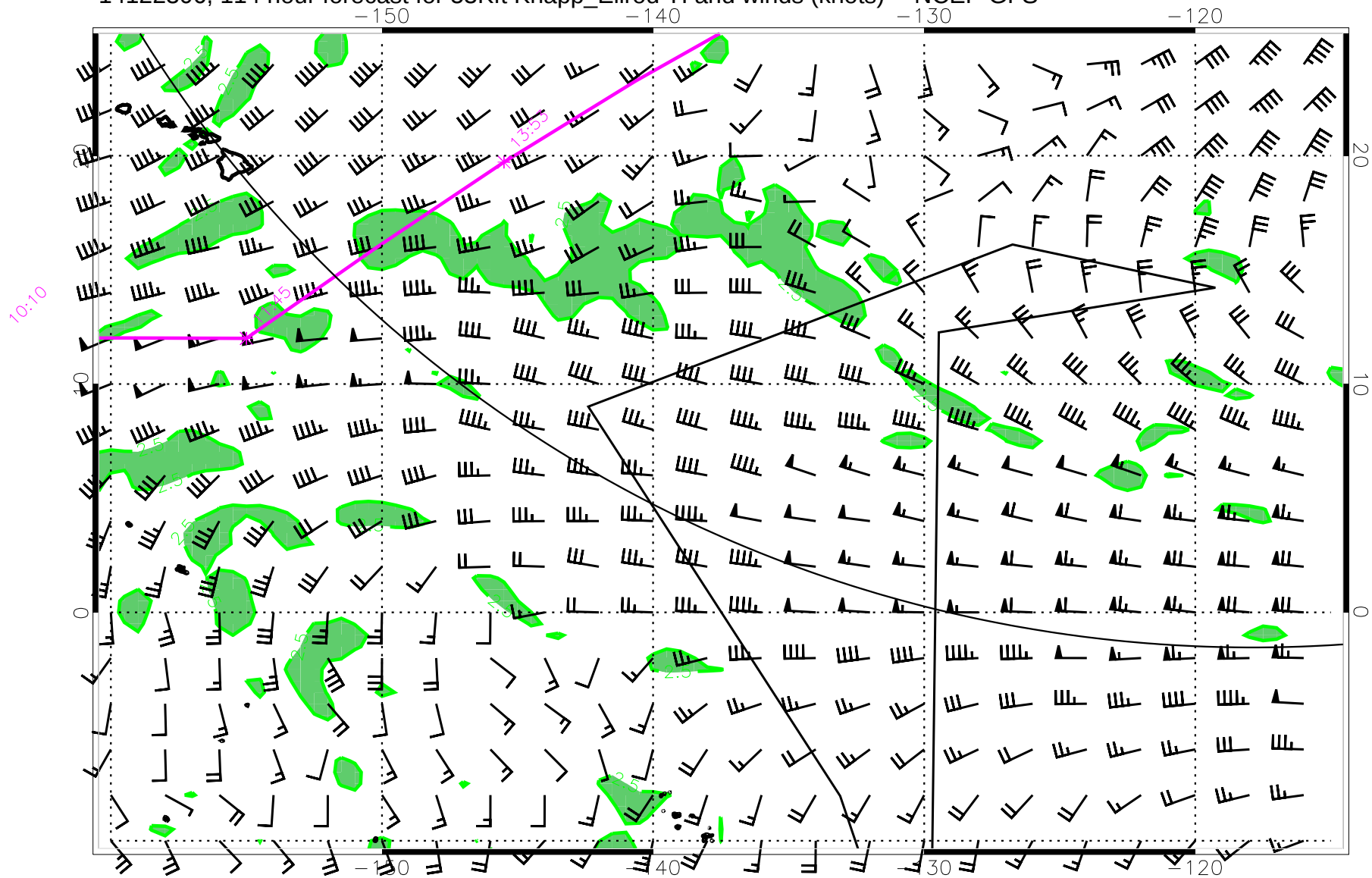
Turb value = 7 Turb value = 2.5

–150 –140 –130 –120



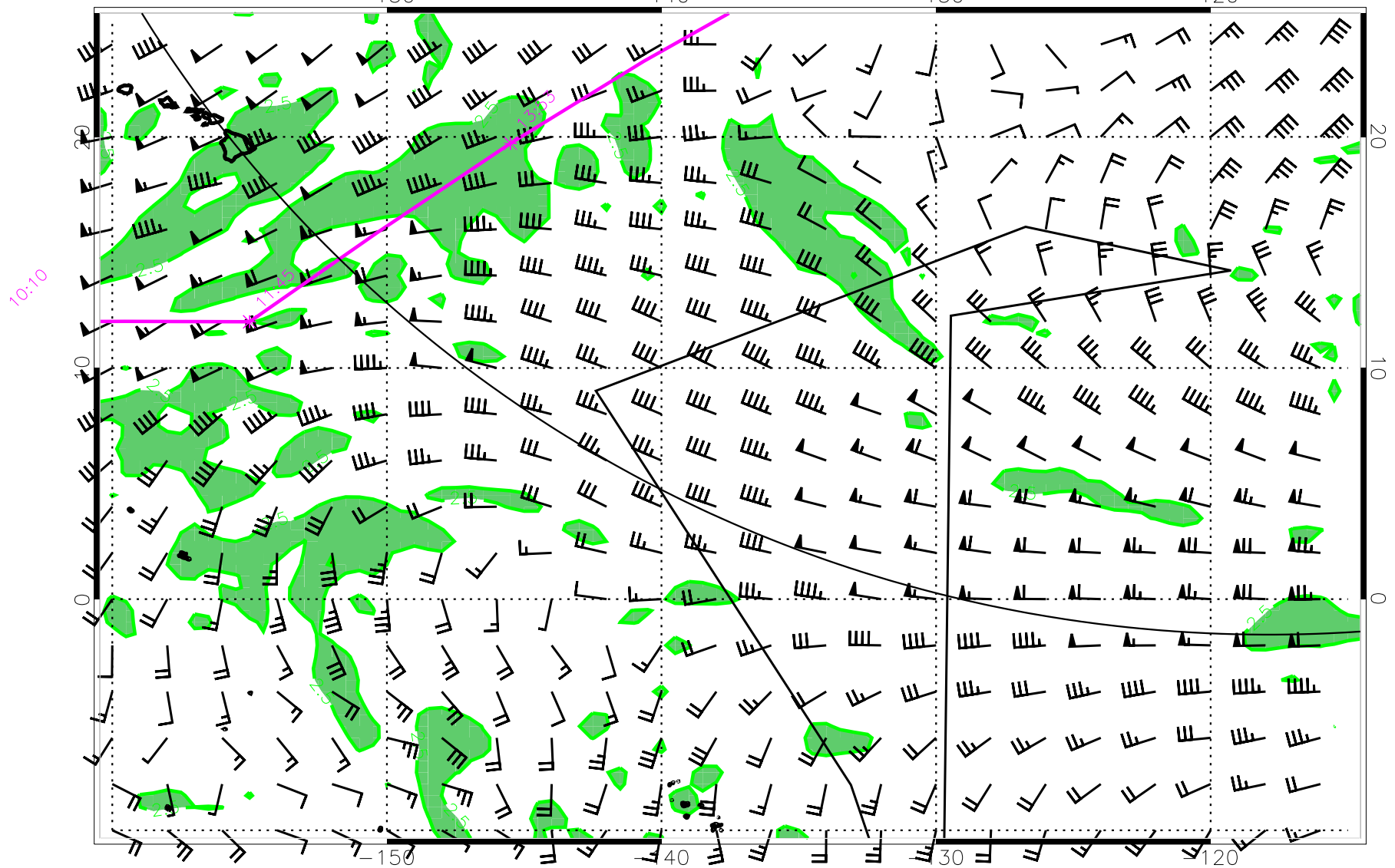
Turb value = 7 Turb value = 2.5

14122306, 114 hour forecast for 53Kft Knapp_Ellrod TI and winds (knots) -- NCEP GFS



Turb value = 7 Turb value = 2.5

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13</																																																																																							



Turb value = 7 Turb value = 2.5