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4.3.1. FSS Data Library Index for Hand County,  
South Dakota test site.

Commercial Fields

Field Number	Number of Spectral Observations Collected						
	1977		1978				
	9/20	10/18	5/15	6/2	7/9	7/26	8/16
56	12	15	12	13	15	15	13
57	22	22	19	17	18	22	21
58	17	16	18	16	12	16	15
75	9	11	11	13	11	13	10
76	14	16	13	15	6	10	11
77	27	27	28	25	30	27	29
86	10	10	12	11	9	10	9
87	16	14	17	9	11	11	10
104	14	14	12	15	-	-	-
106	20	16	18	18	12	18	15
109	40	43	40	41	37	44	47
110	-	-	13	12	10	15	13
116	-	-	6	4	6	7	5
117	-	-	12	8	8	11	8
118	-	-	15	12	8	13	11
127	30	31	21	29	24	29	31
133	27	29	22	27	26	24	26
134	24	24	21	22	-	-	-
135	13	13	13	15	12	11	13
142	46	39	17	20	29	34	34
144	58	60	63	57	-	-	-
147	55	56	54	54	53	56	53
148	56	52	55	57	55	60	51
151	28	31	28	31	-	-	-
152	24	25	34	28	-	-	-
153	30	29	27	30	26	27	25
154	27	28	24	26	24	29	28
156	24	33	31	22	-	-	-
162	31	29	29	30	-	-	-
163	27	27	29	27	27	26	23
168	27	29	27	27	30	32	26
172	12	12	11	10	9	11	10
174	22	20	21	20	11	19	18
176	63	56	54	54	58	60	51
180	25	28	27	25	24	26	26
181	13	11	13	12	10	12	11
182	11	13	12	13	9	12	11
188	29	31	26	24	-	-	-

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4.3.1. FSS Data Library Index for Hand County  
 South Dakota test site (cont).

Commercial Fields

Field Number	Number of Spectral Observations Collected						
	1977		1978				
	9/20	10/18	5/15	6/2	7/9	7/26	8/16
190	28	29	18	27	-	-	-
191	28	26	31	25	16	17	19
192	29	27	28	26	24	30	29
193	30	27	29	26	24	30	29
194	10	8	41	55	37	47	44
198	33	28	28	28	21	27	24
199	30	26	21	24	24	28	23
210	28	27	23	28	27	24	25
211	26	29	23	29	25	26	26
217	13	12	11	11	9	11	9
218	26	25	23	29	23	26	24
219	14	12	13	16	11	12	15
222	27	27	25	27	-	-	-
231	23	24	28	26	20	21	21
232	13	14	15	18	-	-	-
233	15	14	13	15	15	15	15
247	56	61	57	58	58	55	57
256	53	50	53	45	50	51	38
257	23	21	24	23	-	-	-
261	55	59	58	56	-	-	-
264	26	20	23	28	20	25	30
265	31	26	27	28	-	-	-
269	10	8	6	8	-	-	-
270	-	-	5	5	-	-	-
274	-	-	15	16	13	17	15
275	43	44	45	41	43	37	42
281	59	60	54	52	56	55	48
285	-	-	-	-	4	4	9
286	-	-	-	-	10	15	15
288	-	-	-	-	23	31	29
289	-	-	-	-	15	28	14
290	-	-	-	-	25	29	28
291	-	-	-	-	22	28	23
292	-	-	-	-	12	16	16
293	-	-	-	-	17	11	11
294	-	-	-	-	52	57	57
295	-	-	-	-	24	21	20

4.3.1. FSS Data Library Index for Hand County,  
South Dakota test site (cont.)

Commercial Fields

Field	Number of Spectral Observations Collected						
	1977		1978				
Number	9/20	10/18	5/15	6/2	7/9	7/26	8/16
296	-	-	-	-	26	28	25
298	-	-	-	-	27	-	-
299	-	-	-	-	24	65	31
301	-	-	-	-	24	24	30
303	-	-	-	-	48	58	56
307	-	-	-	-	32	28	27
308	-	-	-	-	20	-	23
Trees	388	363	-	-	-	-	-

4.3.2. Summary of FSS Mission Parameters

Flight Lines	Time Period (GMT)	Solar Zenith Angle (degrees)	Cloud Cover (%)	Roll Film Numbers	
				NASA/JSC	Purdue/LARS

Date: 9/20/77, Day of Year: 263, NASA/JSC Mission: H-22, FSS Flight: 82

1	18:35 - 18:54	43 - 44	5 - 10	262	70RF77-087
2	18:59 - 19:15	44 - 44	3 - 8	263	70RF77-088
3	19:19 - 19:36	45 - 46	2 - 3	264	70RF77-089
4	19:42 - 20:08	46 - 49	2	265	70RF77-090

Date: 10/18/77, Day of Year: 291, NASA/JSC Mission: H-22, FSS Flight: 85

1	17:13 - 17:27	56 - 55	4 - 5	266	70RF77-091
2	17:39 - 17:54	54 - 54	4 - 6	267	70RF77-092
3	18:21 - 18:37	54 - 54	3 - 4	268	70RF77-093
4	18:41 - 19:02	54 - 54	3 - 4	269	70RF77-094

Date 5/15/78, Day of Year: 135, NASA/JSC Mission: H-24, FSS Flight: 88

1	17:07 - 17:22	31 - 30	1	270	70RF78-007
2	17:28 - 17:44	29 - 28	1	271	70RF78-008
3	17:51 - 18:07	27 - 26	1	272	70RF78-009

Date: 6/2/78, Day of Year: 153, NASA/JSC Mission: H-24, FSS Flight: 89

1	15:48 - 16:04	41 - 38	5	273	70RF78-027
2	16:10 - 16:27	37 - 34	5 - 10	274	70RF78-025
3	16:32 - 16:49	34 - 31	10 - 15	275	70RF78-026

Date: 7/9/78, Day of Year: 190, NASA/JSC Mission: H-24, FSS Flight: 91

1	18:54 - 19:09	22 - 23	5 - 10	276	70RF78-029
2	19:14 - 19:29	23 - 24	5	277	70RF78-028
3	19:35 - 19:51	25 - 26	5	278	70RF78-030

Date: 7/26/78, Day of Year: 207, NASA/JSC Mission: H-24, FSS Flight: 92

1	15:04 - 15:19	51 - 49	0	279	70RF78-023
2	15:25 - 15:41	48 - 45	0	280	70RF78-024
3	15:46 - 16:02	44 - 41	0	281	70RF78-022

4.3.2. Summary of FSS Mission Parameters (cont.)

Flight Lines	Time Period (GMT)	Solar Zenith Angle (degrees)	Cloud Cover (%)	Roll Film Numbers	
				NASA/JSC	Purdue/LARS

Date: 8/16/78, Day of Year: 228, NASA/JSC Mission: H-24, FSS Flight: 93

1	15:04 - 15:19	55 - 52	0	282	70RF78-031
2	15:24 - 15:40	51 - 49	0	283	70RF78-032
3	15:46 - 16:02	48 - 45	0	284	70RF78-033