

付表D: ウィンドプロファイラによる鳥エコー出現状況

室蘭

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3月上旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	66.7	66.7	33.3	50.0	33.3	33.3	50.0	16.7
3月中旬	31.7	38.3	30.0	48.3	51.7	51.7	48.3	53.3	53.3	53.3	65.0	68.3	63.3	66.7	53.3	50.0	48.3	46.7	33.3	41.7	46.7	40.0	48.3	38.3
3月下旬	43.9	37.9	34.8	34.8	40.9	48.5	48.5	59.1	63.6	59.1	62.1	60.6	65.2	57.6	47.0	47.0	40.9	39.4	30.3	40.9	33.3	28.8	33.3	36.4
3月	36.4	36.4	31.1	39.4	43.9	47.7	46.2	53.8	56.1	53.8	60.6	61.4	61.4	59.1	48.5	46.2	45.5	43.9	31.8	41.7	39.4	34.1	40.9	36.4
4月上旬	36.7	28.3	23.3	21.7	21.7	38.3	30.0	60.0	58.3	73.3	75.0	75.0	68.3	80.0	63.3	66.7	63.3	38.3	33.3	46.7	46.7	38.3	31.7	20.0
4月中旬	66.7	60.0	60.0	53.3	56.7	68.3	56.7	70.0	75.0	65.0	53.3	58.3	61.7	60.0	63.3	40.0	25.0	35.0	31.7	51.7	48.3	63.3	78.3	75.0
4月下旬	70.0	70.0	58.3	65.0	68.3	50.0	50.0	63.3	63.3	58.3	66.7	71.7	73.3	70.0	63.3	68.3	63.3	46.7	43.3	65.0	70.0	68.3	75.0	85.0
4月	57.8	52.8	47.2	46.7	48.9	52.2	45.6	64.4	65.6	65.6	65.0	68.3	67.8	70.0	63.3	58.3	50.6	40.0	36.1	54.4	55.0	56.7	61.7	60.0
5月上旬	85.0	88.3	85.0	78.3	83.3	75.0	73.3	80.0	75.0	71.7	65.0	68.3	78.3	70.0	61.7	63.3	73.3	61.7	50.0	63.3	80.0	90.0	80.0	76.7
5月中旬	80.0	80.0	65.0	53.3	36.7	28.3	35.0	50.0	56.7	70.0	68.3	60.0	65.0	58.3	61.7	48.3	58.3	66.7	46.7	63.3	86.7	88.3	96.7	88.3
5月下旬	72.7	62.1	62.1	66.7	37.9	48.5	39.4	59.1	54.5	56.1	65.2	60.6	65.2	65.2	62.1	63.6	69.7	68.2	50.0	63.6	83.3	86.4	84.8	86.4
5月	79.0	76.3	70.4	66.1	52.2	50.5	48.9	62.9	61.8	65.6	66.1	62.9	69.4	64.5	61.8	58.6	67.2	65.6	48.9	63.4	83.3	88.2	87.1	83.9
6月上旬	83.3	88.3	85.0	63.3	30.0	28.3	41.7	56.7	56.7	70.0	66.7	60.0	70.0	70.0	60.0	65.0	70.0	71.7	65.0	68.3	91.7	93.3	78.3	91.7
6月中旬	76.7	50.0	58.3	48.3	28.3	28.3	50.0	65.0	61.7	70.0	75.0	58.3	65.0	58.3	60.0	51.7	55.0	58.3	46.7	63.3	80.0	83.3	76.7	68.3
6月下旬	50.0	33.3	36.7	41.7	30.0	28.3	36.7	53.3	60.0	51.7	55.0	58.3	61.7	51.7	55.0	63.3	53.3	41.7	36.7	55.0	70.0	55.0	51.7	38.3
6月	70.0	57.2	60.0	51.1	29.4	28.3	42.8	58.3	59.4	63.9	65.6	58.9	65.6	60.0	58.3	60.0	59.4	57.2	49.4	62.2	80.6	77.2	68.9	66.1
7月上旬	53.3	60.0	55.0	75.0	66.7	51.7	43.3	63.3	51.7	58.3	55.0	73.3	73.3	63.3	66.7	65.0	63.3	51.7	60.0	41.7	48.3	41.7	25.0	48.3
7月中旬	45.0	28.3	35.0	56.7	58.3	60.0	55.0	66.7	61.7	70.0	83.3	88.3	81.7	81.7	78.3	65.0	60.0	53.3	43.3	53.3	71.7	68.3	53.3	43.3
7月下旬	71.2	53.0	47.0	72.7	80.3	75.8	84.8	86.4	83.3	84.8	84.8	97.0	93.9	97.0	92.4	87.9	87.9	84.8	72.7	63.6	84.8	74.2	62.1	60.6
7月	57.0	47.3	45.7	68.3	68.8	62.9	61.8	72.6	66.1	71.5	74.7	86.6	83.3	81.2	79.6	73.1	71.0	64.0	59.1	53.2	68.8	61.8	47.3	51.1
8月上旬	21.7	21.7	13.3	16.7	18.3	3.3	0.0	0.0	1.7	8.3	1.7	8.3	16.7	3.3	11.7	10.0	5.0	5.0	0.0	1.7	1.7	10.0	23.3	21.7
8月中旬	85.0	80.0	78.3	76.7	78.3	61.7	56.7	50.0	51.7	55.0	53.3	38.3	43.3	51.7	41.7	48.3	61.7	60.0	51.7	63.3	88.3	95.0	100	93.3
8月下旬	89.4	81.8	72.7	81.8	72.7	59.1	57.6	71.2	71.2	57.6	50.0	53.0	57.6	60.6	54.5	56.1	57.6	65.2	57.6	80.3	90.9	90.9	92.4	90.9
8月	66.1	61.8	55.4	59.1	57.0	41.9	38.7	41.4	42.5	40.9	35.5	33.9	39.8	39.2	36.6	38.7	41.9	44.1	37.1	49.5	61.3	66.1	72.6	69.4
9月上旬	80.0	80.0	78.3	61.7	66.7	56.7	65.0	55.0	46.7	53.3	53.3	58.3	73.3	81.7	61.7	73.3	73.3	60.0	71.7	86.7	90.0	81.7	70.0	78.3
9月中旬	86.7	81.7	81.7	75.0	71.7	81.7	68.3	63.3	65.0	61.7	58.3	63.3	51.7	58.3	60.0	51.7	65.0	58.3	76.7	91.7	100	95.0	86.7	85.0
9月下旬	85.0	76.7	75.0	61.7	61.7	55.0	68.3	81.7	80.0	81.7	66.7	50.0	53.3	70.0	75.0	58.3	66.7	63.3	85.0	83.3	81.7	86.7	90.0	83.3
9月	83.9	79.4	78.3	66.1	66.7	64.4	67.2	66.7	63.9	65.6	59.4	57.2	59.4	70.0	65.6	61.1	68.3	60.6	77.8	87.2	90.6	87.8	82.2	82.2
10月上旬	81.7	85.0	76.7	90.0	78.3	81.7	86.7	96.7	86.7	91.7	75.0	58.3	68.3	66.7	48.3	50.0	68.3	63.3	90.0	86.7	90.0	88.3	85.0	80.0
10月中旬	86.7	85.0	80.0	88.3	90.0	93.3	95.0	93.3	91.7	85.0	90.0	86.7	73.3	83.3	76.7	68.3	70.0	78.3	93.3	93.3	83.3	93.3	85.0	83.3
10月下旬	86.4	77.3	75.8	77.3	74.2	83.3	80.3	77.3	77.3	83.3	77.3	83.3	77.3	71.2	74.2	74.2	74.2	81.8	86.4	81.8	75.8	74.2	78.8	80.3
10月	84.9	82.3	77.4	84.9	80.6	86.0	87.1	88.7	84.9	86.6	80.6	76.3	73.1	73.7	66.7	64.5	71.0	74.7	89.8	87.1	82.8	84.9	82.8	81.2
11月上旬	90.0	73.3	61.7	46.7	61.7	78.3	100	98.3	98.3	98.3	93.3	76.7	73.3	76.7	53.3	38.3	63.3	83.3	88.3	91.7	88.3	90.0	90.0	95.0
11月中旬	53.3	41.7	36.7	28.3	33.3	35.0	83.3	88.3	78.3	81.7	63.3	56.7	73.3	63.3	53.3	50.0	38.3	71.7	68.3	71.7	66.7	71.7	53.3	60.0
11月下旬	68.3	60.0	56.7	51.7	43.3	48.3	70.0	70.0	76.7	80.0	65.0	66.7	51.7	61.7	60.0	53.3	55.0	78.3	58.3	63.3	61.7	56.7	55.0	58.3
11月	70.6	58.3	51.7	42.2	46.1	53.9	84.4	85.6	84.4	86.7	73.9	66.7	66.1	67.2	55.6	47.2	52.2	77.8	71.7	75.6	72.2	72.8	66.1	71.1
12月上旬	31.7	33.3	20.0	25.0	30.0	18.3	31.7	25.0	23.3	15.0	18.3	23.3	25.0	28.3	15.0	11.7	11.7	13.3	11.7	11.7	21.7	18.3	20.0	25.0
12月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	4.8	2.4	2.4	2.4	4.8	0.0	0.0	11.9	7.1
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	18.6	19.6	11.8	14.7	17.6	10.8	18.6	14.7	13.7	8.8	10.8	13.7	17.6	16.7	10.8	7.8	7.8	8.8	8.8	6.9	12.7	15.7	14.7	15.7
春季	68.6	64.8	59.0	56.6	50.5	51.4	47.3	63.7	63.7	65.6	65.6	65.6	68.6	67.2	62.6	58.5	59.0	53.0	42.6	59.0	69.4	72.7	74.6	72.1
夏季	64.3	55.4	53.6	59.6	52.0	44.6	47.8	57.4	56.0	58.7	58.5	59.8	62.9	60.1	58.2	57.2	57.4	55.1	48.6	54.9	70.1	68.3	62.9	62.1
秋季	79.9	73.4	69.2	64.7	64.7	68.3	79.7	80.4	77.8	79.7	71.4	66.8	66.3	70.3	62.6	57.7	63.9	71.1	79.9	83.3	81.9	81.9	77.1	78.2
冬季	28.6	29.1	22.6	28.6	32.5	31.6	34.2	36.8	37.6	34.2	38.9	40.6	42.3	40.6	32.1	29.5	29.1	28.6	21.8	26.5	27.8	26.1	29.5	27.4
年間	65.3	59.6	55.5	56.3	53.1	51.9	56.1	63.3	62.1	63.5	61.5	60.7	62.4	62.2	56.9	53.8	55.9	56.1	53.7	61.0	67.9	67.8	65.4	64.7

付表D: ウィンドプロファイラによる鳥エコー出現状況

酒田

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	83.3
2月下旬	38.9	25.9	31.5	35.2	38.9	38.9	51.9	29.6	50.0	33.3	33.3	46.3	27.8	22.2	42.6	16.7	24.1	20.4	33.3	31.5	20.4	25.9	25.9	31.5
2月	35.0	23.3	28.3	31.7	35.0	35.0	46.7	26.7	45.0	30.0	30.0	41.7	25.0	20.0	38.3	15.0	21.7	18.3	30.0	28.3	18.3	23.3	25.0	36.7
3月上旬	36.7	45.0	25.0	35.0	36.7	35.0	41.7	51.7	35.0	45.0	36.7	35.0	45.0	46.7	28.3	31.7	26.7	23.3	28.3	28.3	30.0	46.7	38.3	40.0
3月中旬	31.7	38.3	56.7	66.7	68.3	63.3	56.7	63.3	50.0	60.0	61.7	45.0	41.7	38.3	45.0	40.0	28.3	21.7	30.0	26.7	40.0	28.3	20.0	40.0
3月下旬	65.2	59.1	66.7	77.3	62.1	74.2	80.3	63.6	66.7	66.7	65.2	42.4	43.9	31.8	34.8	33.3	31.8	36.4	45.5	63.6	69.7	56.1	65.2	68.2
3月	45.2	47.8	50.0	60.2	55.9	58.1	60.2	59.7	51.1	57.5	54.8	40.9	43.5	38.7	36.0	34.9	29.0	27.4	34.9	40.3	47.3	44.1	41.9	50.0
4月上旬	76.7	73.3	73.3	68.3	73.3	61.7	71.7	70.0	70.0	61.7	45.0	41.7	31.7	28.3	31.7	28.3	38.3	41.7	33.3	66.7	71.7	76.7	83.3	80.0
4月中旬	83.3	85.0	88.3	83.3	80.0	85.0	85.0	86.7	83.3	75.0	66.7	68.3	56.7	48.3	48.3	38.3	33.3	45.0	51.7	71.7	86.7	88.3	81.7	86.7
4月下旬	63.3	55.0	51.7	55.0	60.0	45.0	53.3	50.0	55.0	56.7	55.0	38.3	33.3	43.3	38.3	40.0	56.7	35.0	53.3	60.0	81.7	75.0	76.7	71.7
4月	74.4	71.1	71.1	68.9	71.1	63.9	70.0	68.9	69.4	64.4	55.6	49.4	40.6	40.0	39.4	35.6	42.8	40.6	46.1	66.1	80.0	80.0	80.6	79.4
5月上旬	93.3	85.0	85.0	78.3	71.7	75.0	76.7	76.7	70.0	61.7	51.7	40.0	36.7	36.7	35.0	36.7	33.3	30.0	43.3	75.0	86.7	86.7	85.0	88.3
5月中旬	86.7	81.7	76.7	66.7	53.3	46.7	60.0	56.7	41.7	41.7	31.7	41.7	35.0	35.0	36.7	23.3	38.3	55.0	61.7	68.3	86.7	88.3	83.3	75.0
5月下旬	69.7	68.2	63.6	62.1	48.5	43.9	43.9	51.5	48.5	54.5	56.1	45.5	60.6	66.7	60.6	51.5	43.9	50.0	43.9	59.1	71.2	81.8	86.4	84.8
5月	82.8	78.0	74.7	68.8	57.5	54.8	59.7	61.3	53.2	52.7	46.8	42.5	44.6	46.8	44.6	37.6	38.7	45.2	49.5	67.2	81.2	85.5	84.9	82.8
6月上旬	76.7	78.3	86.7	78.3	43.3	30.0	40.0	45.0	51.7	46.7	60.0	58.3	58.3	56.7	50.0	40.0	43.3	43.3	38.3	60.0	85.0	83.3	86.7	75.0
6月中旬	88.3	80.0	76.7	81.7	43.3	38.3	50.0	38.3	46.7	43.3	41.7	50.0	48.3	56.7	53.3	46.7	58.3	41.7	50.0	48.3	90.0	95.0	88.3	85.0
6月下旬	56.7	46.7	60.0	46.7	33.3	40.0	20.0	35.0	41.7	46.7	41.7	43.3	51.7	38.3	48.3	51.7	35.0	18.3	21.7	31.7	75.0	55.0	68.3	53.3
6月	73.9	68.3	74.4	68.9	40.0	36.1	36.7	39.4	46.7	45.6	47.8	50.6	52.8	50.6	50.6	46.1	45.6	34.4	36.7	46.7	83.3	77.8	81.1	71.1
7月上旬	68.3	71.7	60.0	53.3	45.0	53.3	53.3	61.7	61.7	73.3	68.3	55.0	58.3	65.0	48.3	43.3	66.7	55.0	53.3	50.0	83.3	86.7	91.7	73.3
7月中旬	48.3	35.0	16.7	21.7	28.3	43.3	53.3	48.3	43.3	51.7	40.0	45.0	40.0	41.7	26.7	23.3	38.3	33.3	30.0	33.3	53.3	40.0	50.0	48.3
7月下旬	62.1	63.6	63.6	45.5	75.8	66.7	69.7	69.7	83.3	65.2	60.6	63.6	68.2	74.2	56.1	56.1	56.1	60.6	56.1	65.2	74.2	74.2	75.8	80.3
7月	59.7	57.0	47.3	40.3	50.5	54.8	59.1	60.2	63.4	63.4	56.5	54.8	55.9	60.8	44.1	41.4	53.8	50.0	46.8	50.0	70.4	67.2	72.6	67.7
8月上旬	11.7	15.0	11.7	3.3	0.0	3.3	1.7	0.0	3.3	5.0	3.3	1.7	8.3	10.0	20.0	11.7	3.3	3.3	0.0	0.0	8.3	8.3	13.3	15.0
8月中旬	53.3	58.3	46.7	50.0	25.0	6.7	3.3	16.7	13.3	13.3	18.3	23.3	16.7	21.7	25.0	6.7	11.7	18.3	11.7	50.0	61.7	58.3	56.7	60.0
8月下旬	80.3	65.2	69.7	63.6	66.7	57.6	42.4	28.8	34.8	42.4	39.4	37.9	40.9	40.9	51.5	48.5	48.5	66.7	54.5	89.4	89.4	78.8	83.3	74.2
8月	49.5	46.8	43.5	39.8	31.7	23.7	16.7	15.6	17.7	21.0	21.0	21.5	22.6	24.7	32.8	23.1	22.0	30.6	23.1	47.8	54.3	49.5	52.2	50.5
9月上旬	86.7	81.7	76.7	75.0	66.7	38.3	56.7	63.3	70.0	60.0	61.7	65.0	61.7	58.3	61.7	56.7	61.7	46.7	66.7	91.7	85.0	80.0	78.3	76.7
9月中旬	76.7	85.0	83.3	85.0	83.3	65.0	53.3	56.7	58.3	65.0	56.7	60.0	50.0	58.3	50.0	60.0	21.7	45.0	80.0	88.3	90.0	88.3	95.0	93.3
9月下旬	93.3	91.7	86.7	71.7	83.3	55.0	35.0	40.0	40.0	45.0	50.0	50.0	46.7	43.3	40.0	41.7	28.3	41.7	81.7	91.7	90.0	90.0	90.0	85.0
9月	85.6	86.1	82.2	77.2	77.8	52.8	48.3	53.3	56.1	56.7	56.1	58.3	52.8	53.3	50.6	52.8	37.2	44.4	76.1	90.6	88.3	86.1	87.8	85.0
10月上旬	90.0	83.3	85.0	88.3	78.3	66.7	61.7	55.0	51.7	56.7	53.3	51.7	51.7	60.0	41.7	43.3	43.3	43.3	96.7	90.0	91.7	88.3	93.3	91.7
10月中旬	86.7	86.7	90.0	85.0	78.3	83.3	85.0	83.3	75.0	76.7	46.7	55.0	51.7	51.7	46.7	45.0	53.3	61.7	85.0	76.7	80.0	90.0	98.3	88.3
10月下旬	59.1	69.7	77.3	69.7	68.2	60.6	57.6	72.7	71.2	59.1	62.1	57.6	51.5	36.4	54.5	42.4	39.4	68.2	83.3	75.8	68.2	68.2	78.8	69.7
10月	78.0	79.6	83.9	80.6	74.7	69.9	67.7	70.4	66.1	64.0	54.3	54.8	51.6	48.9	47.8	43.5	45.2	58.1	88.2	80.6	79.6	81.7	89.8	82.8
11月上旬	73.3	76.7	81.7	85.0	85.0	81.7	75.0	80.0	80.0	70.0	76.7	63.3	53.3	50.0	55.0	50.0	48.3	76.7	85.0	88.3	90.0	85.0	76.7	75.0
11月中旬	80.0	80.0	70.0	76.7	78.3	73.3	61.7	55.0	48.3	45.0	31.7	36.7	30.0	28.3	21.7	25.0	36.7	70.0	78.3	73.3	73.3	70.0	71.7	76.7
11月下旬	45.0	40.0	28.3	33.3	31.7	41.7	40.0	26.7	30.0	20.0	16.7	35.0	25.0	28.3	15.0	20.0	25.0	56.7	46.7	51.7	40.0	45.0	41.7	50.0
11月	66.1	65.6	60.0	65.0	65.0	65.6	58.9	53.9	52.8	45.0	41.7	45.0	36.1	35.6	30.6	31.7	36.7	67.8	70.0	71.1	67.8	66.7	63.3	67.2
12月上旬	40.0	40.0	30.0	38.3	31.7	38.3	38.3	33.3	20.0	25.0	35.0	31.7	33.3	25.0	30.0	21.7	23.3	33.3	28.3	35.0	25.0	26.7	33.3	35.0
12月中旬	33.3	31.0	33.3	35.7	26.2	45.2	38.1	35.7	28.6	19.0	19.0	26.2	19.0	40.5	26.2	33.3	33.3	45.2	45.2	40.5	33.3	42.9	38.1	28.6
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	37.3	36.3	31.4	37.3	29.4	41.2	38.2	34.3	23.5	22.5	28.4	29.4	27.5	31.4	28.4	26.5	27.5	38.2	35.3	37.3	28.4	33.3	35.3	32.4
春季	78.7	74.6	73.0	68.9	64.2	59.3	64.8	65.0	61.2	58.5	51.1	45.9	42.6	43.4	42.1	36.6	40.7	42.9	47.8	66.7	80.6	82.8	82.8	81.1
夏季	60.9	57.2	54.9	49.5	40.8	38.2	37.5	38.4	42.6	43.3	41.7	42.2	43.7	45.3	42.4	36.8	40.4	38.4	35.5	48.2	69.2	64.7	68.5	63.0
秋季	76.6	77.1	75.5	74.4	72.5	62.8	58.4	59.3	58.4	55.3	50.7	52.7	46.9	46.0	43.0	42.7	39.7	56.8	78.2	80.8	78.6	78.2	80.4	78.4
冬季	41.1	40.2	40.8	48.6	44.5	49.1	51.4	46.6	42.0	42.5	42.8	37.6	35.6	33.3	34.2	29.0	27.3	29.0	34.2	37.4	36.8	37.4	37.1	42.5
年間	65.4	63.5	62.0	60.7	55.8	52.0	52.0	51.7	51.0	49.8	46.5	45.3	42.9	42.8	40.9	37.0	37.7	43.0	50.6	59.7	68.1	67.2	68.9	67.4

付表D: ウィンドプロファイラによる鳥エコー出現状況

高田

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	16.7
2月下旬	16.7	24.1	20.4	25.9	20.4	38.9	22.2	35.2	16.7	20.4	25.9	29.6	24.1	13.0	24.1	20.4	11.1	14.8	29.6	31.5	14.8	22.2	29.6	29.6
2月	15.0	21.7	18.3	23.3	18.3	35.0	20.0	31.7	15.0	18.3	23.3	26.7	21.7	11.7	21.7	18.3	10.0	13.3	26.7	28.3	13.3	20.0	30.0	28.3
3月上旬	31.7	35.0	40.0	30.0	40.0	48.3	36.7	26.7	31.7	41.7	28.3	31.7	36.7	46.7	35.0	15.0	30.0	35.0	30.0	26.7	38.3	40.0	31.7	53.3
3月中旬	35.0	50.0	46.7	43.3	50.0	65.0	50.0	31.7	35.0	41.7	48.3	38.3	13.3	16.7	28.3	16.7	25.0	15.0	23.3	23.3	20.0	30.0	48.3	43.3
3月下旬	69.7	59.1	68.2	59.1	53.0	63.6	57.6	45.5	48.5	60.6	47.0	51.5	33.3	34.8	43.9	40.9	33.3	28.8	31.8	33.3	43.9	51.5	77.3	74.2
3月	46.2	48.4	52.2	44.6	47.8	59.1	48.4	34.9	38.7	48.4	41.4	40.9	28.0	32.8	36.0	24.7	29.6	26.3	28.5	28.0	34.4	40.9	53.2	57.5
4月上旬	78.3	76.7	73.3	73.3	61.7	70.0	71.7	61.7	58.3	65.0	56.7	58.3	55.0	61.7	61.7	60.0	45.0	35.0	48.3	56.7	71.7	80.0	75.0	78.3
4月中旬	93.3	81.7	93.3	81.7	81.7	93.3	81.7	80.0	76.7	70.0	61.7	68.3	65.0	46.7	53.3	48.3	41.7	50.0	61.7	90.0	95.0	91.7	93.3	85.0
4月下旬	73.3	71.7	70.0	73.3	65.0	56.7	51.7	45.0	45.0	51.7	45.0	41.7	55.0	51.7	41.7	35.0	38.3	45.0	70.0	68.3	86.7	90.0	75.0	86.7
4月	81.7	76.7	78.9	76.1	69.4	73.3	68.3	62.2	60.0	62.2	54.4	56.1	58.3	53.3	52.2	47.8	41.7	43.3	60.0	71.7	84.4	87.2	81.1	83.3
5月上旬	93.3	91.7	88.3	86.7	81.7	80.0	66.7	71.7	53.3	36.7	50.0	66.7	41.7	50.0	33.3	48.3	46.7	30.0	40.0	70.0	68.3	70.0	86.7	96.7
5月中旬	68.3	65.0	63.3	66.7	53.3	26.7	40.0	45.0	38.3	35.0	31.7	41.7	26.7	30.0	43.3	43.3	30.0	35.0	31.7	50.0	65.0	66.7	63.3	60.0
5月下旬	81.8	81.8	87.9	81.8	78.8	51.5	53.0	56.1	54.5	59.1	56.1	63.6	62.1	51.5	53.0	50.0	40.9	63.6	62.1	68.2	93.9	77.3	83.3	77.3
5月	81.2	79.6	80.1	78.5	71.5	52.7	53.2	57.5	48.9	44.1	46.2	57.5	44.1	44.1	43.5	47.3	39.2	43.5	45.2	62.9	76.3	71.5	78.0	78.0
6月上旬	76.7	78.3	68.3	83.3	56.7	31.7	30.0	50.0	71.7	63.3	65.0	71.7	61.7	70.0	56.7	71.7	43.3	68.3	55.0	65.0	85.0	85.0	91.7	93.3
6月中旬	63.3	68.3	71.7	71.7	41.7	43.3	55.0	65.0	61.7	51.7	65.0	51.7	60.0	55.0	65.0	56.7	56.7	51.7	53.3	41.7	75.0	75.0	71.7	61.7
6月下旬	53.3	43.3	25.0	35.0	35.0	15.0	21.7	40.0	35.0	36.7	46.7	46.7	51.7	55.0	56.7	28.3	40.0	30.0	35.0	46.7	75.0	63.3	65.0	48.3
6月	64.4	63.3	55.0	63.3	44.4	30.0	35.6	51.7	56.1	50.6	58.9	56.7	57.8	60.0	59.4	52.2	46.7	50.0	47.8	51.1	78.3	74.4	76.1	67.8
7月上旬	73.3	73.3	78.3	66.7	63.3	66.7	76.7	81.7	70.0	76.7	71.7	80.0	86.7	75.0	65.0	76.7	70.0	68.3	71.7	56.7	90.0	78.3	80.0	88.3
7月中旬	56.7	43.3	48.3	46.7	40.0	41.7	36.7	36.7	58.3	46.7	58.3	60.0	38.3	46.7	38.3	33.3	35.0	23.3	15.0	43.3	86.7	71.7	66.7	55.0
7月下旬	83.3	74.2	80.3	68.2	72.7	68.2	57.6	63.6	74.2	74.2	74.2	84.8	71.2	71.2	72.7	74.2	63.6	65.2	42.4	63.6	72.7	83.3	75.8	75.8
7月	71.5	64.0	69.4	60.8	59.1	59.1	57.0	60.8	67.7	66.1	68.3	75.3	65.6	64.5	59.1	61.8	56.5	52.7	43.0	54.8	82.8	78.0	74.2	73.1
8月上旬	15.0	25.0	28.3	43.3	45.0	0.0	0.0	0.0	5.0	8.3	11.7	15.0	5.0	3.3	8.3	5.0	8.3	0.0	1.7	16.7	16.7	13.3	18.3	13.3
8月中旬	66.7	51.7	46.7	45.0	43.3	21.7	10.0	16.7	28.3	10.0	26.7	25.0	36.7	26.7	16.7	35.0	40.0	26.7	21.7	55.0	70.0	68.3	73.3	71.7
8月下旬	75.8	80.3	78.8	75.8	75.8	69.7	50.0	60.6	62.1	60.6	63.6	69.7	54.5	56.1	48.5	45.5	47.0	45.5	53.0	78.8	68.2	65.2	66.7	59.1
8月	53.2	53.2	52.2	55.4	55.4	31.7	21.0	26.9	32.8	27.4	34.9	37.6	32.8	29.6	25.3	29.0	32.3	24.7	26.3	51.1	52.2	49.5	53.2	48.4
9月上旬	83.3	83.3	85.0	90.0	86.7	58.3	50.0	78.3	66.7	70.0	75.0	65.0	63.3	68.3	81.7	65.0	80.0	63.3	71.7	90.0	91.7	96.7	98.3	95.0
9月中旬	78.3	65.0	83.3	80.0	83.3	66.7	43.3	63.3	65.0	68.3	68.3	78.3	78.3	83.3	81.7	73.3	55.0	55.0	70.0	80.0	81.7	76.7	80.0	78.3
9月下旬	65.0	63.3	70.0	76.7	68.3	63.3	43.3	55.0	53.3	45.0	56.7	55.0	50.0	46.7	46.7	41.7	45.0	43.3	73.3	78.3	80.0	71.7	70.0	80.0
9月	75.6	70.6	79.4	82.2	79.4	62.8	45.6	65.6	61.7	61.1	66.7	66.1	63.9	66.1	70.0	60.0	60.0	53.9	71.7	82.8	84.4	81.7	82.8	84.4
10月上旬	76.7	66.7	70.0	73.3	71.7	61.7	61.7	51.7	66.7	80.0	76.7	86.7	76.7	75.0	65.0	60.0	55.0	60.0	98.3	95.0	100	95.0	83.3	83.3
10月中旬	78.3	73.3	80.0	81.7	80.0	66.7	61.7	73.3	76.7	91.7	80.0	76.7	70.0	70.0	71.7	56.7	43.3	56.7	71.7	53.3	63.3	71.7	85.0	80.0
10月下旬	78.8	74.2	69.7	66.7	71.2	62.1	66.7	59.1	50.0	62.1	77.3	81.8	74.2	68.2	69.7	50.0	59.1	59.1	78.8	87.9	86.4	84.8	80.3	78.8
10月	78.0	71.5	73.1	73.7	74.2	63.4	63.4	61.3	64.0	77.4	78.0	81.7	73.7	71.0	68.8	55.4	52.7	58.6	82.8	79.0	83.3	83.9	82.8	80.6
11月上旬	90.0	80.0	78.3	85.0	78.3	75.0	66.7	78.3	65.0	66.7	68.3	70.0	70.0	50.0	53.3	38.3	53.3	70.0	73.3	60.0	68.3	85.0	85.0	86.7
11月中旬	75.0	78.3	73.3	63.3	76.7	81.7	86.7	73.3	51.7	55.0	53.3	40.0	45.0	36.7	36.7	31.7	31.7	66.7	66.7	78.3	68.3	70.0	61.7	68.3
11月下旬	36.7	35.0	38.3	35.0	41.7	56.7	63.3	53.3	36.7	50.0	40.0	36.7	20.0	16.7	21.7	26.7	16.7	61.7	46.7	43.3	50.0	46.7	43.3	51.7
11月	67.2	64.4	63.3	61.1	65.6	71.1	72.2	68.3	51.1	57.2	53.9	48.9	45.0	34.4	37.2	32.2	33.9	66.1	62.2	60.6	62.2	67.2	63.3	68.9
12月上旬	41.7	38.3	23.3	40.0	40.0	43.3	45.0	40.0	26.7	33.3	30.0	30.0	31.7	20.0	25.0	20.0	25.0	40.0	36.7	41.7	35.0	38.3	38.3	43.3
12月中旬	38.1	42.9	26.2	28.6	28.6	73.8	52.4	35.7	16.7	11.9	21.4	28.6	26.2	38.1	31.0	19.0	28.6	47.6	42.9	52.4	38.1	42.9	28.6	33.3
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	40.2	40.2	24.5	35.3	35.3	55.9																		

付表D: ウィンドプロファイラによる鳥エコー出現状況

福井

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	16.7
2月下旬	33.3	24.1	20.4	22.2	25.9	25.9	29.6	22.2	13.0	25.9	24.1	27.8	31.5	27.8	29.6	20.4	24.1	22.2	20.4	24.1	27.8	27.8	22.2	25.9
2月	30.0	21.7	18.3	20.0	23.3	23.3	26.7	20.0	11.7	23.3	21.7	25.0	28.3	25.0	26.7	18.3	21.7	20.0	18.3	21.7	25.0	25.0	25.0	25.0
3月上旬	35.0	31.7	40.0	46.7	46.7	40.0	43.3	45.0	23.3	35.0	26.7	28.3	26.7	41.7	31.7	31.7	33.3	35.0	21.7	25.0	46.7	30.0	46.7	28.3
3月中旬	26.7	33.3	50.0	40.0	51.7	53.3	50.0	36.7	26.7	33.3	36.7	31.7	36.7	31.7	21.7	23.3	25.0	18.3	23.3	25.0	30.0	21.7	23.3	35.0
3月下旬	57.6	59.1	50.0	51.5	48.5	48.5	33.3	24.2	34.8	30.3	33.3	48.5	27.3	33.3	37.9	36.4	27.3	24.2	30.3	48.5	51.5	48.5	56.1	63.6
3月	40.3	41.9	46.8	46.2	48.9	47.3	41.9	34.9	28.5	32.8	32.3	36.6	30.1	35.5	30.6	30.6	28.5	25.8	25.3	33.3	43.0	33.9	42.5	43.0
4月上旬	65.0	65.0	60.0	68.3	60.0	68.3	63.3	58.3	55.0	81.7	60.0	61.7	51.7	41.7	33.3	38.3	35.0	21.7	28.3	66.7	68.3	78.3	76.7	76.7
4月中旬	88.3	83.3	88.3	73.3	75.0	61.7	65.0	60.0	61.7	55.0	43.3	51.7	41.7	40.0	40.0	46.7	45.0	45.0	55.0	78.3	91.7	88.3	83.3	98.7
4月下旬	68.3	66.7	65.0	60.0	56.7	55.0	33.3	45.0	41.7	55.0	41.7	38.3	31.7	30.0	36.7	40.0	35.0	46.7	61.7	80.0	81.7	81.7	83.3	66.7
4月	73.9	71.7	71.1	67.2	63.9	61.7	53.9	54.4	52.8	63.9	48.3	50.6	41.7	37.2	36.7	41.7	38.3	37.8	48.3	75.0	80.6	82.8	81.1	80.0
5月上旬	81.7	78.3	76.7	78.3	71.7	56.7	58.3	36.7	30.0	43.3	41.7	33.3	38.3	28.3	35.0	35.0	38.3	40.0	28.3	70.0	91.7	88.3	83.3	81.7
5月中旬	68.3	65.0	70.0	66.7	46.7	33.3	28.3	23.3	23.3	35.0	33.3	23.3	30.0	33.3	30.0	31.7	26.7	21.7	28.3	40.0	65.0	60.0	55.0	61.7
5月下旬	90.9	90.9	87.9	84.8	47.0	33.3	34.8	33.3	47.0	51.5	51.5	43.9	40.9	45.5	56.1	66.7	65.2	53.0	47.0	60.6	90.9	100	90.9	95.5
5月	80.6	78.5	78.5	76.9	54.8	40.9	40.3	31.2	33.9	43.5	42.5	33.9	36.6	36.0	40.9	45.2	44.1	38.7	34.9	57.0	82.8	83.3	76.9	80.1
6月上旬	86.7	86.7	88.3	81.7	40.0	18.3	45.0	46.7	48.3	53.3	60.0	38.3	38.3	48.3	45.0	45.0	41.7	55.0	56.7	60.0	91.7	100	88.3	88.3
6月中旬	80.0	78.3	68.3	53.3	50.0	26.7	28.3	35.0	51.7	41.7	36.7	23.3	48.3	61.7	71.7	50.0	30.0	50.0	33.3	36.7	68.3	85.0	73.3	70.0
6月下旬	43.3	48.3	46.7	33.3	23.3	31.7	41.7	38.3	45.0	46.7	46.7	35.0	48.3	53.3	61.7	65.0	51.7	51.7	40.0	51.7	63.3	45.0	55.0	41.7
6月	70.0	71.1	67.8	56.1	37.8	25.6	38.3	40.0	48.3	47.2	47.8	32.2	45.0	54.4	59.4	53.3	41.1	52.2	43.3	49.4	74.4	76.7	72.2	66.7
7月上旬	60.0	55.0	55.0	53.3	53.3	73.3	93.3	90.0	86.7	81.7	78.3	60.0	65.0	65.0	61.7	71.7	73.3	66.7	51.7	51.7	70.0	71.7	73.3	73.3
7月中旬	41.7	53.3	41.7	31.7	31.7	48.3	41.7	45.0	45.0	46.7	48.3	55.0	56.7	48.3	55.0	53.3	58.3	50.0	45.0	45.0	58.3	53.3	53.3	48.3
7月下旬	69.7	68.2	43.9	45.5	36.4	59.1	68.2	68.2	69.7	75.8	71.2	66.7	72.7	74.2	74.2	72.7	74.2	59.1	47.0	54.5	86.4	75.8	63.6	66.7
7月	57.5	59.1	46.8	43.5	40.3	60.2	67.7	67.7	67.2	68.3	66.1	60.8	65.1	62.9	64.0	66.1	68.8	58.6	47.8	50.5	72.0	67.2	63.4	62.9
8月上旬	10.0	5.0	0.0	0.0	0.0	1.7	0.0	0.0	3.3	3.3	11.7	15.0	13.3	11.7	11.7	1.7	3.3	13.3	8.3	3.3	8.3	3.3	15.0	11.7
8月中旬	48.3	40.0	38.3	36.7	35.0	21.7	25.0	23.3	23.3	23.3	20.0	21.7	33.3	26.7	31.7	38.3	30.0	25.0	25.0	68.3	66.7	55.0	55.0	58.3
8月下旬	90.9	87.9	78.8	71.2	63.6	63.6	57.6	51.5	53.0	53.0	59.1	51.5	59.1	63.6	63.6	43.9	57.6	53.0	45.5	77.3	89.4	80.3	86.4	89.4
8月	51.1	45.7	40.3	37.1	33.9	30.1	28.5	25.8	27.4	27.4	31.2	30.1	36.0	34.9	36.6	28.5	31.2	31.2	26.9	50.5	55.9	47.3	53.2	54.3
9月上旬	100	95.0	88.3	86.7	63.3	53.3	56.7	60.0	71.7	66.7	70.0	68.3	56.7	68.3	71.7	75.0	58.3	58.3	66.7	93.3	93.3	91.7	95.0	98.3
9月中旬	88.3	81.7	75.0	78.3	81.7	60.0	46.7	71.7	71.7	78.3	70.0	70.0	60.0	55.0	53.3	51.7	51.7	50.0	73.3	93.3	90.0	81.7	95.0	85.0
9月下旬	86.7	86.7	90.0	85.0	75.0	65.0	45.0	63.3	60.0	50.0	66.7	48.3	50.0	46.7	43.3	50.0	40.0	33.3	83.3	95.0	91.7	90.0	88.3	96.7
9月	91.7	87.8	84.4	83.3	73.3	59.4	49.4	65.0	67.8	65.0	68.9	62.2	55.6	56.7	56.1	58.9	50.0	47.2	74.4	93.9	91.7	87.8	92.8	93.3
10月上旬	90.0	98.3	100	98.3	91.7	76.7	25.0	33.3	36.7	68.3	76.7	91.7	75.0	70.0	56.7	65.0	55.0	61.7	93.3	100	100	100	100	88.3
10月中旬	95.0	96.7	81.7	80.0	76.7	78.3	76.7	63.3	60.0	63.3	73.3	66.7	55.0	70.0	68.3	53.3	33.3	46.7	65.0	83.3	93.3	96.7	95.0	90.0
10月下旬	83.3	81.8	72.7	87.9	89.4	86.4	75.8	66.7	68.2	74.2	72.7	75.8	60.6	54.5	40.9	31.8	37.9	62.1	83.3	84.8	95.5	81.8	87.9	83.3
10月	89.2	91.9	84.4	88.7	86.0	80.6	59.7	54.8	55.4	68.8	74.2	78.0	63.4	64.5	54.8	49.5	41.9	57.0	80.6	89.2	96.2	92.5	94.1	87.1
11月上旬	86.7	80.0	76.7	76.7	83.3	75.0	73.3	70.0	75.0	86.7	73.3	60.0	55.0	48.3	56.7	45.0	35.0	65.0	73.3	73.3	80.0	73.3	75.0	75.0
11月中旬	83.3	66.7	76.7	75.0	73.3	76.7	75.0	66.7	48.3	55.0	50.0	61.7	46.7	41.7	40.0	38.3	33.3	68.3	80.0	78.3	85.0	83.3	85.0	78.3
11月下旬	55.0	56.7	61.7	63.3	55.0	56.7	65.0	41.7	25.0	30.0	26.7	38.3	41.7	30.0	30.0	35.0	28.3	56.7	51.7	58.3	48.3	51.7	51.7	50.0
11月	75.0	67.8	71.7	71.7	70.6	69.4	71.1	59.4	49.4	57.2	50.0	53.3	47.8	40.0	42.2	39.4	32.2	63.3	68.3	70.0	71.1	69.4	70.6	67.8
12月上旬	46.7	31.7	40.0	28.3	23.3	35.0	38.3	33.3	30.0	25.0	38.3	23.3	26.7	21.7	18.3	10.0	26.7	36.7	46.7	50.0	41.7	41.7	35.0	33.3
12月中旬	31.0	33.3	21.4	33.3	35.7	26.2	31.0	26.2	31.0	33.3	16.7	42.9	33.3	19.0	21.4	21.4	26.2	35.7	38.1	45.2	21.4	23.8	23.8	31.0
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	40.2	32.4	32.4	30.4	28.4	31.4	35.3	30.4	30.4	28.4	29.4	31.4	29.4	20.6	19.6	14.7	26.5	36.3	43.1	48.0	33.3	34.3	30.4	32.4
春季	77.3	75.1	74.9	72.1	59.3	51.1	47.0	42.6	43.2	53.6	45.4	42.1	39.1	36.6	38.8	43.4	41.3	38.3	41.5	65.8	81.7	83.1	79.0	80.1
夏季	59.4	58.5	51.4	45.5	37.3	38.8	44.9	44.6	47.6	47.6	48.4	41.1	48.7	50.7	53.3	49.3	47.1	47.3	39.3	50.2	67.4	63.6	62.9	61.2
秋季	85.3	82.6	80.2	81.3	76.7	70.0	60.1	59.7	57.5	63.7	64.5	64.7	55.7	53.8	51.1	49.3	41.4	55.9	74.5	84.4	86.4	83.3	85.9	82.8
冬季	38.5	35.6	37.6	37.1	38.5	38.5	37.4	31.0	26.1	29.9	29.6	33.0	29.6	29.3	26.7	23.9	26.7	27.9	29.3	35.6	37.1	32.5	35.9	36.8
年間	66.8	64.7	62.2	60.0	53.9	50.6	48.5	46.1	45.6	50.3	49.0	46.9	45.2	44.7	44.6	43.2	40.3	44.3	48.5	60.9	70.2	67.5	67.9	66.8

付表D: ウィンドプロファイラによる鳥エコー出現状況

名古屋

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3月上旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	16.7	0.0	33.3	16.7
3月中旬	40.0	33.3	35.0	36.7	23.3	36.7	26.7	23.3	33.3	26.7	23.3	31.7	15.0	20.0	21.7	21.7	16.7	15.0	15.0	16.7	16.7	16.7	20.0	33.3
3月下旬	28.8	31.8	31.8	33.3	25.8	24.2	24.2	18.2	18.2	28.8	27.3	34.8	28.8	27.3	27.3	28.8	28.8	33.3	34.8	43.9	48.5	25.8	16.7	24.2
3月	32.6	31.1	31.8	33.3	23.5	28.8	24.2	19.7	24.2	26.5	24.2	31.8	21.2	22.7	23.5	24.2	22.0	23.5	24.2	31.8	32.6	20.5	18.9	28.0
4月上旬	61.7	50.0	56.7	38.3	35.0	43.3	25.0	21.7	50.0	36.7	43.3	50.0	50.0	43.3	25.0	33.3	20.0	33.3	33.3	63.3	61.7	73.3	58.3	66.7
4月中旬	75.0	75.0	76.7	66.7	61.7	56.7	36.7	30.0	50.0	43.3	48.3	53.3	45.0	43.3	30.0	48.3	31.7	45.0	43.3	76.7	76.7	75.0	75.0	75.0
4月下旬	56.7	60.0	58.3	50.0	38.3	31.7	30.0	10.0	41.7	38.3	38.3	40.0	33.3	45.0	36.7	38.3	40.0	36.7	46.7	78.3	71.7	60.0	58.3	65.0
4月	64.4	61.7	63.9	51.7	45.0	43.9	30.6	20.6	47.2	39.4	43.3	47.8	42.8	43.9	30.6	40.0	30.6	38.3	41.1	72.8	70.0	69.4	63.9	68.9
5月上旬	65.0	68.3	70.0	66.7	48.3	35.0	21.7	26.7	48.3	18.3	28.3	36.7	28.3	30.0	45.0	40.0	45.0	43.3	28.3	71.7	73.3	71.7	71.7	65.0
5月中旬	71.7	61.7	61.7	73.3	56.7	35.0	33.3	38.3	35.0	40.0	45.0	53.3	33.3	31.7	36.7	41.7	40.0	35.0	28.3	38.3	61.7	63.3	63.3	61.7
5月下旬	83.3	81.8	80.3	75.8	59.1	33.3	30.3	53.0	65.2	63.6	68.2	68.2	50.0	42.4	48.5	54.5	50.0	56.1	51.5	77.3	89.4	87.9	90.9	89.4
5月	73.7	71.0	71.0	72.0	54.8	34.4	28.5	39.8	50.0	41.4	47.8	53.2	37.6	34.9	43.5	45.7	45.2	45.2	36.6	62.9	75.3	74.7	75.8	72.6
6月上旬	66.7	63.3	55.0	51.7	21.7	28.3	30.0	35.0	48.3	35.0	31.7	33.3	30.0	31.7	30.0	36.7	33.3	36.7	41.7	60.0	75.0	76.7	81.7	78.3
6月中旬	73.3	76.7	76.7	58.3	45.0	26.7	16.7	38.3	43.3	35.0	45.0	36.7	31.7	33.3	36.7	35.0	40.0	26.7	46.7	55.0	81.7	66.7	68.3	63.3
6月下旬	41.7	48.3	46.7	40.0	31.7	25.0	30.0	31.7	43.3	46.7	41.7	53.3	31.7	45.0	45.0	53.3	46.7	48.3	43.3	46.7	70.0	41.7	58.3	56.7
6月	60.6	62.8	59.4	50.0	32.8	26.7	25.6	35.0	45.0	38.9	39.4	41.1	31.1	36.7	37.2	41.7	40.0	37.2	43.9	53.9	75.6	61.7	69.4	66.1
7月上旬	56.7	53.3	53.3	55.0	48.3	81.7	85.0	73.3	81.7	86.7	81.7	81.7	83.3	80.0	76.7	76.7	76.7	70.0	65.0	46.7	60.0	60.0	60.0	70.0
7月中旬	63.3	43.3	45.0	38.3	46.7	58.3	58.3	65.0	75.0	75.0	66.7	63.3	55.0	61.7	51.7	53.3	41.7	40.0	43.3	38.3	60.0	55.0	55.0	50.0
7月下旬	62.1	63.6	63.6	63.6	56.1	69.7	75.8	65.2	81.8	68.2	72.7	74.2	78.8	72.7	66.7	63.6	65.2	66.7	56.1	62.1	65.2	71.2	63.6	63.6
7月	60.8	53.8	54.3	52.7	50.5	69.9	73.1	67.7	79.6	76.3	73.7	73.1	72.6	71.5	65.1	64.5	61.3	59.1	54.8	49.5	61.8	62.4	59.7	61.3
8月上旬	1.7	1.7	0.0	3.3	5.0	15.0	10.0	3.3	20.0	8.3	16.7	28.3	40.0	36.7	16.7	20.0	15.0	11.7	15.0	11.7	1.7	1.7	5.0	3.3
8月中旬	13.3	0.0	0.0	3.3	1.7	15.0	18.3	20.0	20.0	20.0	5.0	5.0	23.3	15.0	8.3	15.0	11.7	8.3	5.0	5.0	3.3	16.7	23.3	21.7
8月下旬	90.9	83.3	83.3	81.8	71.2	66.7	75.8	75.8	65.2	40.9	63.6	60.6	59.1	54.5	51.5	59.1	37.9	56.1	53.0	78.8	87.9	92.4	87.9	90.9
8月	37.1	30.1	29.6	31.2	27.4	33.3	36.0	34.4	36.0	23.7	29.6	32.3	41.4	36.0	26.3	32.3	22.0	26.3	25.3	33.3	32.8	38.7	40.3	40.3
9月上旬	95.0	100	95.0	100	98.7	71.7	78.3	76.7	83.3	71.7	70.0	76.7	66.7	65.0	71.7	73.3	63.3	60.0	65.0	98.3	100	100	100	98.3
9月中旬	98.3	95.0	95.0	95.0	73.3	76.7	81.7	95.0	85.0	80.0	83.3	75.0	75.0	63.3	71.7	58.3	51.7	70.0	70.0	86.7	88.3	91.7	93.3	90.0
9月下旬	76.7	66.7	71.7	73.3	60.0	55.0	48.3	45.0	48.3	48.3	56.7	41.7	43.3	31.7	33.3	26.7	31.7	26.7	73.3	76.7	83.3	81.7	90.0	90.0
9月	90.0	87.2	87.2	89.4	76.7	67.8	69.4	72.2	72.2	66.7	70.0	64.4	61.7	53.3	58.9	52.8	48.9	52.2	69.4	87.2	90.6	91.1	94.4	92.8
10月上旬	100	100	100	96.7	93.3	60.0	31.7	38.3	48.3	66.7	61.7	56.7	38.3	48.3	51.7	43.3	45.0	50.0	91.7	100	100	100	100	100
10月中旬	86.7	91.7	81.7	83.3	76.7	61.7	38.3	50.0	55.0	58.3	58.3	51.7	58.3	46.7	41.7	30.0	25.0	31.7	78.3	65.0	68.3	81.7	90.0	86.7
10月下旬	92.4	90.9	84.8	84.8	86.4	77.3	62.1	54.5	56.1	63.6	57.6	62.1	71.2	59.1	42.4	27.3	30.3	50.0	80.3	86.4	86.4	89.4	87.9	84.8
10月	93.0	94.1	88.7	88.2	85.5	66.7	44.6	47.8	53.2	62.9	59.1	57.0	56.5	51.6	45.2	33.3	33.3	44.1	83.3	83.9	84.9	90.3	92.5	90.3
11月上旬	80.0	71.7	68.3	70.0	63.3	70.0	58.3	68.3	58.3	65.0	51.7	41.7	33.3	38.3	40.0	35.0	30.0	43.3	68.3	71.7	88.3	78.3	81.7	66.7
11月中旬	61.7	65.0	56.7	53.3	58.3	58.3	56.7	48.3	46.7	45.0	46.7	31.7	41.7	23.3	28.3	15.0	18.3	51.7	71.7	66.7	63.3	80.0	71.7	65.0
11月下旬	46.7	38.3	20.0	36.7	31.7	48.3	35.0	23.3	23.3	16.7	23.3	15.0	28.3	21.7	16.7	26.7	21.7	41.7	51.7	60.0	63.3	43.3	46.7	48.3
11月	62.8	58.3	48.3	53.3	51.1	58.9	50.0	46.7	42.8	42.2	40.6	29.4	34.4	27.8	28.3	25.6	23.3	45.6	63.9	66.1	71.7	67.2	66.7	60.0
12月上旬	8.3	15.0	8.3	16.7	11.7	13.3	21.7	18.3	18.3	25.0	25.0	23.3	10.0	26.7	18.3	18.3	6.7	10.0	43.3	38.3	35.0	26.7	15.0	11.7
12月中旬	14.3	14.3	14.3	19.0	11.9	14.3	14.3	21.4	9.5	26.2	26.2	28.6	23.8	19.0	16.7	16.7	11.9	9.5	16.7	9.5	9.5	9.5	9.5	16.7
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	10.8	14.7	10.8	17.6	11.8	13.7	18.6	19.6	14.7	25.5	25.5	25.5	15.7	23.5	17.6	17.6	8.8	9.8	32.4	26.5	24.5	19.6	12.7	13.7
春季	69.1	66.4	67.5	62.0	50.0	39.1	29.5	30.3	48.6	40.4	45.6	50.5	40.2	39.3	37.2	42.9	38.0	41.8	38.8	67.8	72.7	72.1	69.9	70.8
夏季	52.7	48.7	47.6	44.6	37.0	43.5	45.1	45.8	53.6	46.4	47.6	48.9	48.6	48.2	42.9	46.2	41.1	40.9	41.3	45.5	56.5	54.2	56.3	55.8
秋季	82.1	80.0	74.9	77.1	71.2	64.5	54.6	55.5	56.0	57.3	56.6	50.4	50.9	44.3	44.1	37.2	35.2	47.3	72.3	79.1	82.4	83.0	84.6	81.1
冬季	23.1	23.9	22.6	26.5	18.4	22.2	21.8	19.7	20.1	26.1	24.8	29.1	18.8	23.1	20.9	21.4	16.2	17.5	27.8	29.5	29.1	20.1	16.2	21.8
年間	61.6	59.2	57.2	56.3	48.2	46.3	41.6	42.0	48.7	45.8	46.9	47.0	43.4	41.6	39.0	39.2	35.1	39.9	48.9	58.9	64.5	62.6	62.8	62.5

付表D: ウィンドプロファイラによる鳥エコー出現状況

鳥取

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	16.7	0.0	0.0	0.0	0.0	0.0
2月下旬	22.2	22.2	13.0	9.3	14.8	20.4	13.0	27.8	37.0	22.2	40.7	40.7	44.4	40.7	40.7	31.5	24.1	16.7	25.9	35.2	27.8	31.5	20.4	13.0
2月	20.0	20.0	11.7	8.3	13.3	18.3	11.7	25.0	33.3	20.0	36.7	36.7	40.0	36.7	36.7	28.3	21.7	16.7	25.0	31.7	25.0	28.3	18.3	11.7
3月上旬	31.7	23.3	21.7	25.0	31.7	41.7	45.0	33.3	45.0	28.3	40.0	46.7	33.3	40.0	41.7	41.7	18.3	26.7	25.0	45.0	48.3	41.7	28.3	45.0
3月中旬	25.0	21.7	26.7	23.3	30.0	48.3	43.3	36.7	45.0	51.7	65.0	53.3	45.0	68.3	46.7	53.3	55.0	21.7	15.0	21.7	36.7	23.3	25.0	16.7
3月下旬	40.9	37.9	42.4	39.4	37.9	31.8	40.9	42.4	56.1	57.6	68.2	57.6	40.9	59.1	47.0	50.0	56.1	30.3	28.8	56.1	66.7	42.4	45.5	42.4
3月	32.8	28.0	30.6	29.6	33.3	40.3	43.0	37.6	48.9	46.2	58.1	52.7	39.8	55.9	45.2	48.4	43.5	26.3	23.1	41.4	51.1	36.0	33.3	34.9
4月上旬	55.0	56.7	56.7	56.7	60.0	65.0	71.7	70.0	68.3	71.7	68.3	61.7	55.0	60.0	30.0	40.0	23.3	21.7	20.0	80.0	78.3	71.7	83.3	55.0
4月中旬	83.3	78.3	73.3	71.7	61.7	61.7	55.0	61.7	63.3	70.0	63.3	51.7	38.3	45.0	33.3	31.7	30.0	31.7	43.3	70.0	90.0	96.7	88.3	86.7
4月下旬	63.3	66.7	65.0	55.0	61.7	51.7	56.7	56.7	51.7	70.0	55.0	55.0	55.0	38.3	46.7	36.7	36.7	33.3	50.0	46.7	66.7	78.3	73.3	63.3
4月	67.2	67.2	65.0	61.1	61.1	59.4	61.1	62.8	61.1	70.6	62.2	56.1	49.4	47.8	36.7	36.1	30.0	28.9	37.8	65.6	78.3	82.2	81.7	68.3
5月上旬	88.3	93.3	93.3	86.7	63.3	23.3	18.3	30.0	26.7	36.7	38.3	48.3	50.0	38.3	45.0	36.7	36.7	21.7	28.3	51.7	71.7	81.7	86.7	85.0
5月中旬	81.7	73.3	78.3	75.0	45.0	13.3	16.7	18.3	30.0	30.0	15.0	25.0	23.3	33.3	38.3	20.0	21.7	15.0	20.0	30.0	58.3	60.0	66.7	70.0
5月下旬	86.4	75.8	66.7	59.1	51.5	37.9	30.3	28.8	30.3	39.4	48.5	48.5	51.5	40.9	51.5	16.7	30.3	25.8	15.2	37.9	93.9	90.9	97.0	83.3
5月	85.5	80.6	79.0	73.1	53.2	25.3	22.0	25.8	29.0	35.5	34.4	40.9	41.9	37.6	45.2	24.2	29.6	21.0	21.0	39.8	75.3	78.0	83.9	79.6
6月上旬	91.7	63.3	75.0	76.7	38.3	13.3	21.7	36.7	46.7	58.3	46.7	38.3	40.0	48.3	40.0	31.7	41.7	25.0	25.0	38.3	83.3	90.0	93.3	91.7
6月中旬	58.3	56.7	41.7	40.0	30.0	28.3	23.3	23.3	23.3	30.0	33.3	23.3	30.0	30.0	20.0	26.7	30.0	35.0	26.7	38.3	70.0	75.0	68.3	56.7
6月下旬	43.3	41.7	38.3	26.7	28.3	15.0	25.0	45.0	55.0	46.7	53.3	56.7	41.7	56.7	41.7	50.0	45.0	35.0	28.3	38.3	56.7	45.0	48.3	53.3
6月	64.4	53.9	51.7	47.8	32.2	18.9	23.3	35.0	41.7	45.0	44.4	39.4	37.2	45.0	33.9	36.1	38.9	31.7	26.7	38.3	70.0	70.0	70.0	67.2
7月上旬	38.3	31.7	23.3	28.3	25.0	45.0	71.7	60.0	68.3	71.7	65.0	58.3	68.3	61.7	71.7	55.0	60.0	35.0	30.0	25.0	56.7	65.0	58.3	48.3
7月中旬	28.3	20.0	11.7	15.0	38.3	48.3	78.3	63.3	68.3	66.7	76.7	66.7	56.7	40.0	33.3	31.7	40.0	43.3	28.3	36.7	58.3	50.0	66.7	33.3
7月下旬	31.8	25.8	9.1	12.1	21.2	34.8	42.4	50.0	62.1	68.2	68.2	59.1	50.0	45.5	51.5	59.1	39.4	27.3	37.9	43.9	62.1	63.6	43.9	33.3
7月	32.8	25.8	14.5	18.3	28.0	42.5	63.4	57.5	66.1	68.8	69.9	61.3	58.1	48.9	52.2	48.9	46.2	34.9	32.3	35.5	59.1	59.7	55.9	38.2
8月上旬	18.3	10.0	11.7	5.0	0.0	1.7	0.0	8.3	1.7	16.7	13.3	21.7	6.7	0.0	8.3	8.3	10.0	8.3	0.0	0.0	10.0	18.3	16.7	6.7
8月中旬	31.7	23.3	15.0	16.7	18.3	21.7	33.3	31.7	28.3	26.7	28.3	18.3	26.7	36.7	33.3	36.7	25.0	16.7	13.3	23.3	58.3	50.0	41.7	43.3
8月下旬	72.7	57.6	60.6	74.2	68.2	68.2	57.6	50.0	51.5	45.5	50.0	42.4	42.4	31.8	40.9	48.5	42.4	40.9	37.9	68.2	81.8	86.4	83.3	74.2
8月	41.9	31.2	30.1	33.3	30.1	31.7	31.2	30.6	28.0	30.1	31.2	28.0	25.8	23.1	28.0	31.7	26.3	22.6	17.7	31.7	51.1	52.7	48.4	42.5
9月上旬	83.3	81.7	80.0	73.3	61.7	56.7	41.7	36.7	38.3	63.3	48.3	61.7	53.3	55.0	63.3	65.0	35.0	43.3	28.3	78.3	86.7	78.3	81.7	78.3
9月中旬	73.3	75.0	73.3	66.7	63.3	61.7	35.0	45.0	48.3	55.0	41.7	51.7	41.7	50.0	46.7	36.7	38.3	41.7	55.0	83.3	81.7	81.7	73.3	75.0
9月下旬	73.3	61.7	78.3	61.7	56.7	53.3	53.3	43.3	53.3	56.7	63.3	48.3	51.7	65.0	46.7	55.0	48.3	40.0	63.3	83.3	88.3	85.0	85.0	85.0
9月	76.7	72.8	77.2	67.2	60.6	57.2	43.3	41.7	46.7	58.3	51.1	53.9	48.9	56.7	52.2	52.2	40.6	41.7	48.9	81.7	85.6	81.7	80.0	79.4
10月上旬	96.7	91.7	93.3	91.7	88.3	78.3	46.7	61.7	53.3	76.7	61.7	70.0	56.7	56.7	50.0	53.3	65.0	50.0	81.7	90.0	81.7	96.7	98.7	98.3
10月中旬	88.3	78.3	73.3	80.0	76.7	75.0	50.0	76.7	66.7	78.3	60.0	60.0	43.3	51.7	56.7	41.7	35.0	31.7	88.3	98.3	85.0	83.3	83.3	85.0
10月下旬	89.4	89.4	84.8	84.8	84.8	83.3	60.6	81.8	72.7	65.2	66.7	68.2	57.6	60.6	37.9	45.5	53.0	50.0	84.8	80.3	86.4	87.9	86.4	90.9
10月	91.4	86.6	83.9	85.5	83.3	79.0	52.7	73.7	64.5	73.1	62.9	66.1	52.7	56.5	47.8	46.8	51.1	44.1	84.9	89.2	84.4	89.2	88.7	91.4
11月上旬	76.7	81.7	55.0	60.0	73.3	75.0	65.0	71.7	71.7	70.0	65.0	55.0	48.3	55.0	48.3	41.7	33.3	51.7	71.7	75.0	60.0	66.7	71.7	73.3
11月中旬	66.7	66.7	76.7	61.7	56.7	60.0	63.3	61.7	61.7	46.7	48.3	31.7	26.7	35.0	31.7	25.0	43.3	41.7	78.3	71.7	73.3	76.7	71.7	81.7
11月下旬	45.0	40.0	46.7	35.0	38.3	33.3	31.7	43.3	40.0	23.3	36.7	45.0	28.3	45.0	40.0	35.0	25.0	40.0	75.0	56.7	51.7	48.3	50.0	41.7
11月	62.8	62.8	59.4	52.2	56.1	56.1	53.3	58.9	57.8	46.7	50.0	43.9	34.4	45.0	40.0	33.9	33.9	44.4	75.0	67.8	61.7	63.9	64.4	65.6
12月上旬	26.7	28.3	11.7	13.3	28.3	26.7	25.0	23.3	36.7	35.0	36.7	48.3	35.0	38.3	30.0	26.7	28.3	26.7	53.3	46.7	43.3	33.3	33.3	38.3
12月中旬	21.4	33.3	21.4	31.0	35.7	19.0	35.7	31.0	23.8	33.3	38.1	21.4	19.0	23.8	33.3	23.8	21.4	21.4	14.3	31.0	7.1	26.2	19.0	14.3
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	24.5	30.4	15.7	20.6	31.4	23.5	29.4	26.5	31.4	34.3	37.3	37.3	28.4	32.4	31.4	25.5	25.5	24.5	37.3	40.2	28.4	30.4	27.5	28.4
春季	76.5	74.0	72.1	67.2	57.1	42.1	41.3	44.0	44.8	52.7	48.1	48.4	45.6	42.6	41.0	30.1	29.8	24.9	29.2	52.5	76.8	80.1	82.8	74.0
夏季	46.2	36.8	31.9	33.0	30.1	31.2	39.5	41.1	45.3	48.0	48.6	42.9	40.4	38.9	38.0	38.9	37.1	29.7	25.5	35.1	60.0	60.7	58.0	49.1
秋季	77.1	74.2	73.6	68.5	66.8	64.3	49.8	58.2	56.4	59.5	54.8	54.8	45.4	52.7	46.7	44.3	41.9	43.4	69.8	79.7	77.3	78.4	77.8	78.9
冬季	28.2	27.3	23.0	23.3	29.3	31.6	33.6	32.2	41.1	38.2	48.3	45.4	36.5	45.7	39.7	38.2	34.5	24.1	27.6	39.4	39.9	33.0	29.0	29.0
年間	58.2	53.8	50.9	48.7	46.5	43.4	41.8	45.1	47.7	50.6	50.3	48.1	42.2	45.1	41.6	38.6	36.6	31.8	40.0	52.9	64.7	64.6	63.4	59.3

付表D: ウィンドプロファイラによる鳥エコー出現状況

高知

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3月上旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	50.0	16.7	16.7	50.0	33.3	50.0	50.0	66.7
3月中旬	30.0	31.7	35.0	33.3	41.7	20.0	33.3	28.3	28.3	28.3	33.3	41.7	30.0	25.0	23.3	26.7	23.3	28.3	20.0	30.0	35.0	28.3	41.7	36.7
3月下旬	43.9	19.7	28.8	18.2	16.7	24.2	27.3	24.2	25.8	27.3	30.3	40.9	27.3	47.0	28.8	27.3	37.9	27.3	21.2	34.8	34.8	34.8	51.5	51.5
3月	35.6	24.2	30.3	24.2	27.3	21.2	28.8	25.0	25.8	26.5	30.3	39.4	27.3	34.8	25.8	25.8	31.8	27.3	20.5	33.3	34.8	32.6	47.0	45.5
4月上旬	73.3	76.7	61.7	63.3	51.7	45.0	21.7	18.3	11.7	48.3	36.7	55.0	46.7	40.0	36.7	23.3	18.3	25.0	36.7	76.7	73.3	80.0	78.3	76.7
4月中旬	83.3	81.7	75.0	71.7	63.3	51.7	35.0	31.7	58.3	58.3	53.3	48.3	46.7	46.7	43.3	46.7	56.7	51.7	61.7	75.0	70.0	68.3	73.3	76.7
4月下旬	51.7	73.3	81.7	76.7	56.7	33.3	33.3	40.0	38.3	46.7	43.3	25.0	45.0	40.0	46.7	36.7	40.0	38.3	28.3	46.7	71.7	66.7	68.3	78.3
4月	69.4	77.2	72.8	70.6	57.2	43.3	30.0	30.0	36.1	51.1	44.4	42.8	46.1	42.2	42.2	35.6	38.3	38.3	42.2	66.1	71.7	71.7	73.3	77.2
5月上旬	70.0	66.7	58.3	60.0	50.0	38.3	41.7	40.0	45.0	45.0	45.0	43.3	35.0	35.0	26.7	40.0	38.3	43.3	40.0	70.0	73.3	71.7	83.3	78.3
5月中旬	75.0	73.3	71.7	60.0	48.3	21.7	23.3	26.7	26.7	26.7	26.7	38.3	26.7	26.7	38.3	28.3	38.3	31.7	21.7	36.7	56.7	53.3	65.0	70.0
5月下旬	87.9	87.9	89.4	80.3	71.2	28.8	30.3	34.8	39.4	45.5	43.9	48.5	48.5	36.4	39.4	37.9	51.5	54.5	40.9	69.7	89.4	90.9	86.4	84.8
5月	78.0	76.3	73.7	67.2	57.0	29.6	31.7	33.9	37.1	39.2	38.7	43.5	37.1	32.8	34.9	35.5	43.0	43.5	34.4	59.1	73.7	72.6	78.5	78.0
6月上旬	65.0	71.7	55.0	56.7	51.7	25.0	25.0	18.3	28.3	35.0	35.0	40.0	43.3	35.0	33.3	33.3	43.3	53.3	46.7	55.0	75.0	66.7	73.3	75.0
6月中旬	90.7	88.9	83.3	79.6	61.1	48.1	57.4	51.9	48.1	55.6	57.4	59.3	64.8	48.1	51.9	37.0	31.5	42.6	50.0	46.3	66.7	83.3	90.7	90.7
6月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6月	77.2	79.8	68.4	67.5	56.1	36.0	40.4	34.2	37.7	44.7	45.6	49.1	53.5	41.2	42.1	35.1	37.7	48.2	48.2	50.9	71.1	74.6	81.6	82.5
7月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8月上旬	25.0	26.7	30.0	13.3	8.3	53.3	60.0	51.7	58.3	51.7	53.3	30.0	23.3	13.3	23.3	21.7	28.3	21.7	20.0	15.0	33.3	33.3	31.7	23.3
8月中旬	28.3	23.3	11.7	8.3	6.7	23.3	26.7	25.0	33.3	28.3	11.7	15.0	10.0	16.7	20.0	25.0	23.3	20.0	1.7	23.3	41.7	36.7	45.0	33.3
8月下旬	100	93.9	93.9	100	90.9	90.9	89.4	89.4	90.9	90.9	97.0	86.4	71.2	74.2	75.8	66.7	72.7	75.8	68.2	84.8	98.5	93.9	98.5	98.5
8月	52.7	49.5	46.8	42.5	37.1	57.0	59.7	56.5	61.8	58.1	55.4	45.2	36.0	36.0	40.9	38.7	42.5	40.3	31.2	42.5	59.1	55.9	59.7	53.2
9月上旬	81.7	83.3	80.0	81.7	90.0	80.0	73.3	70.0	81.7	88.3	88.3	86.7	81.7	53.3	48.3	55.0	40.0	56.7	70.0	95.0	78.3	81.7	80.0	86.7
9月中旬	91.7	80.0	83.3	83.3	78.3	75.0	76.7	71.7	73.3	76.7	76.7	73.3	60.0	61.7	50.0	53.3	60.0	75.0	75.0	93.3	88.3	86.7	91.7	90.0
9月下旬	78.3	60.0	65.0	60.0	58.3	51.7	40.0	36.7	56.7	55.0	73.3	66.7	65.0	60.0	68.3	46.7	50.0	55.0	78.3	73.3	68.3	78.3	76.7	75.0
9月	83.9	74.4	76.1	75.0	75.6	68.9	63.3	59.4	70.6	73.3	79.4	75.6	68.9	58.3	55.6	51.7	50.0	62.2	74.4	87.2	78.3	82.2	82.8	83.9
10月上旬	96.7	91.7	88.3	91.7	90.0	78.3	38.3	46.7	46.7	71.7	75.0	70.0	76.7	78.3	63.3	41.7	43.3	43.3	95.0	98.3	96.7	98.3	96.7	96.7
10月中旬	63.3	71.7	75.0	78.3	80.0	70.0	51.7	53.3	60.0	56.7	61.7	65.0	66.7	60.0	41.7	45.0	25.0	41.7	53.3	81.7	80.0	85.0	73.3	60.0
10月下旬	86.4	81.8	81.8	93.9	87.9	89.4	68.2	68.2	56.1	74.2	75.8	83.3	71.2	71.2	72.7	53.0	43.9	59.1	60.6	81.8	72.7	75.8	83.3	89.4
10月	82.3	81.7	81.7	88.2	86.0	79.6	53.2	56.5	54.3	67.7	71.0	73.1	71.5	69.9	59.7	46.8	37.6	48.4	69.4	87.1	82.8	86.0	84.4	82.3
11月上旬	73.3	70.0	88.3	88.3	75.0	83.3	68.3	43.3	63.3	71.7	73.3	65.0	51.7	35.0	35.0	18.3	31.7	38.3	75.0	76.7	81.7	75.0	68.3	80.0
11月中旬	80.0	73.3	78.3	78.3	71.7	83.3	66.7	65.0	61.7	65.0	63.3	56.7	43.3	48.3	38.3	30.0	38.3	38.3	58.3	88.3	83.3	81.7	83.3	75.0
11月下旬	61.7	68.3	70.0	65.0	71.7	68.3	61.7	25.0	36.7	41.7	38.3	35.0	18.3	25.0	10.0	15.0	16.7	36.7	60.0	68.3	65.0	50.0	68.3	61.7
11月	71.7	70.6	78.9	77.2	72.8	78.3	65.6	44.4	53.9	59.4	58.3	52.2	37.8	36.1	27.8	21.1	28.9	37.8	64.4	77.8	76.7	68.9	73.3	72.2
12月上旬	51.7	45.0	48.3	51.7	43.3	45.0	40.0	25.0	13.3	13.3	20.0	30.0	21.7	21.7	16.7	10.0	10.0	26.7	66.7	55.0	43.3	46.7	51.7	58.3
12月中旬	23.8	21.4	28.6	19.0	26.2	11.9	23.8	9.5	2.4	2.4	21.4	16.7	21.4	4.8	9.5	9.5	4.8	2.4	28.6	35.7	16.7	21.4	23.8	31.0
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	40.2	35.3	40.2	38.2	36.3	31.4	33.3	18.6	8.8	8.8	20.6	24.5	21.6	14.7	13.7	9.8	7.8	16.7	51.0	47.1	32.4	36.3	40.2	47.1
春季	73.8	76.8	73.2	68.9	57.1	36.3	30.9	32.0	36.6	45.1	41.5	43.2	41.5	37.4	38.5	35.5	40.7	41.0	38.3	62.6	72.7	72.1	76.0	77.6
夏季	62.0	61.0	55.0	52.0	44.3	49.0	52.3	48.0	52.7	53.0	51.7	46.7	42.7	38.0	41.3	37.3	40.7	43.3	37.7	45.7	63.7	63.0	68.0	64.3
秋季	79.3	75.6	78.9	80.2	78.2	75.6	60.6	53.5	59.5	66.8	69.6	67.0	59.5	54.9	47.8	39.9	38.8	49.5	69.4	84.1	79.3	79.1	80.2	79.5
冬季	37.6	29.1	34.6	30.3	31.2	25.6	30.8	22.2	18.4	18.8	26.1	32.9	24.8	26.1	20.5	18.8	21.4	22.6	33.8	39.3	33.8	34.2	44.0	46.2
年間	67.6	65.4	65.4	63.4	58.2	52.1	46.5	41.8																

付表D: ウィンドプロファイラによる鳥エコー出現状況

厳原

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	33.3	50.0	33.3	33.3	16.7	66.7	16.7
2月下旬	13.0	20.4	18.5	14.8	11.1	25.9	14.8	16.7	22.2	31.5	27.8	29.6	29.6	24.1	33.3	20.4	33.3	25.9	22.2	27.8	27.8	27.8	22.2	18.5
2月	11.7	18.3	16.7	13.3	10.0	23.3	13.3	15.0	20.0	28.3	25.0	26.7	26.7	21.7	30.0	18.3	31.7	26.7	25.0	28.3	28.3	26.7	26.7	18.3
3月上旬	25.0	23.3	21.7	31.7	28.3	21.7	15.0	16.7	11.7	20.0	21.7	18.3	15.0	13.3	18.3	31.7	30.0	18.3	16.7	20.0	33.3	21.7	23.3	23.3
3月中旬	48.3	40.0	38.3	51.7	36.7	18.3	58.3	38.3	46.7	51.7	51.7	50.0	50.0	43.3	33.3	26.7	28.3	30.0	18.3	35.0	38.3	48.3	53.3	63.3
3月下旬	51.5	50.0	43.9	34.8	30.3	25.8	34.8	40.9	36.4	39.4	53.0	43.9	53.0	40.9	50.0	36.4	34.8	39.4	27.3	42.4	53.0	40.9	50.0	60.6
3月	41.9	38.2	34.9	39.2	31.7	22.0	36.0	32.3	31.7	37.1	42.5	37.6	39.8	32.8	34.4	31.7	31.2	29.6	21.0	32.8	41.9	37.1	42.5	49.5
4月上旬	56.7	55.0	56.7	51.7	40.0	40.0	50.0	50.0	46.7	45.0	50.0	40.0	31.7	30.0	35.0	35.0	36.7	33.3	46.7	66.7	65.0	55.0	63.3	75.0
4月中旬	85.0	86.7	83.3	71.7	66.7	70.0	60.0	55.0	46.7	58.3	60.0	63.3	51.7	48.3	58.3	58.3	41.7	40.0	40.0	70.0	86.7	78.3	83.3	88.3
4月下旬	76.7	71.7	73.3	71.7	63.3	68.3	50.0	55.0	56.7	51.7	58.3	53.3	45.0	43.3	53.3	36.7	38.3	38.3	40.0	56.7	63.3	73.3	71.7	68.3
4月	72.8	71.1	71.1	65.0	56.7	59.4	53.3	53.3	50.0	51.7	56.1	52.2	42.8	40.6	48.9	43.3	38.9	37.2	42.2	64.4	71.7	68.9	72.8	77.2
5月上旬	80.0	70.0	63.3	53.3	41.7	35.0	38.3	35.0	30.0	36.7	36.7	40.0	41.7	38.3	31.7	23.3	40.0	28.3	25.0	43.3	78.3	75.0	76.7	75.0
5月中旬	66.7	60.0	58.3	45.0	40.0	25.0	41.7	25.0	35.0	23.3	38.3	18.3	36.7	30.0	21.7	36.7	33.3	35.0	31.7	35.0	65.0	53.3	60.0	66.7
5月下旬	65.2	51.5	53.0	48.5	34.8	37.9	22.7	25.8	30.3	30.3	43.9	31.8	33.3	37.9	33.3	36.4	39.4	34.8	37.9	42.4	75.8	74.2	74.2	60.6
5月	70.4	60.2	58.1	48.9	38.7	32.8	33.9	28.5	31.7	30.1	39.8	30.1	37.1	35.5	29.0	32.3	37.6	32.8	31.7	40.3	73.1	67.7	70.4	67.2
6月上旬	58.3	61.7	50.0	41.7	48.3	31.7	50.0	38.3	38.3	48.3	38.3	30.0	31.7	26.7	31.7	28.3	26.7	33.3	35.0	50.0	68.3	58.3	50.0	43.3
6月中旬	55.0	51.7	58.3	45.0	60.0	36.7	36.7	40.0	45.0	35.0	36.7	40.0	36.7	38.3	25.0	30.0	33.3	33.3	36.7	41.7	76.7	56.7	43.3	43.3
6月下旬	36.7	33.3	23.3	46.7	41.7	28.3	21.7	31.7	38.3	28.3	20.0	35.0	30.0	28.3	33.3	35.0	26.7	28.3	21.7	28.3	41.7	40.0	40.0	40.0
6月	50.0	48.9	43.9	44.4	50.0	32.2	36.1	36.7	40.6	37.2	31.7	35.0	32.8	31.1	30.0	31.1	28.9	31.7	31.1	40.0	62.2	51.7	44.4	42.2
7月上旬	36.7	31.7	45.0	51.7	38.3	28.3	41.7	45.0	48.3	50.0	46.7	51.7	53.3	43.3	60.0	51.7	51.7	46.7	46.7	36.7	61.7	58.3	51.7	51.7
7月中旬	53.3	51.7	55.0	56.7	51.7	63.3	71.7	70.0	60.0	63.3	61.7	75.0	63.3	60.0	66.7	56.7	48.3	56.7	60.0	50.0	50.0	43.3	51.7	51.7
7月下旬	65.2	57.6	72.7	75.8	62.1	68.2	65.2	77.3	72.7	69.7	68.2	59.1	54.5	51.5	65.2	65.2	65.2	63.6	66.7	77.3	83.3	71.2	68.2	74.2
7月	52.2	47.3	58.1	61.8	51.1	53.8	59.7	64.5	60.8	61.3	59.1	61.8	57.0	51.6	64.0	58.1	55.4	55.9	58.1	55.4	65.6	58.1	57.5	59.7
8月上旬	0.0	1.7	0.0	0.0	3.3	16.7	15.0	10.0	13.3	10.0	11.7	16.7	6.7	11.7	5.0	1.7	1.7	10.0	0.0	15.0	1.7	3.3	0.0	1.7
8月中旬	0.0	0.0	0.0	1.7	1.7	3.3	1.7	1.7	3.3	0.0	0.0	3.3	1.7	1.7	6.7	3.3	1.7	6.7	1.7	0.0	6.7	0.0	0.0	0.0
8月下旬	12.1	4.5	12.1	9.1	3.0	7.6	12.1	12.1	10.6	10.6	12.1	3.0	1.5	4.5	3.0	6.1	6.1	3.0	1.5	18.2	15.2	12.1	1.5	9.1
8月	4.3	2.2	4.3	3.8	2.7	9.1	9.7	8.1	9.1	7.0	8.1	7.5	3.2	5.9	4.8	3.8	3.2	6.5	1.1	11.3	8.1	5.4	0.5	3.8
9月上旬	36.7	21.7	28.3	25.0	15.0	26.7	30.0	30.0	26.7	15.0	1.7	10.0	10.0	8.3	5.0	8.3	13.3	10.0	1.7	48.3	45.0	15.0	23.3	31.7
9月中旬	28.3	35.0	33.3	18.3	20.0	33.3	31.7	38.3	26.7	30.0	28.3	26.7	21.7	15.0	11.7	10.0	3.3	1.7	6.7	33.3	35.0	16.7	33.3	30.0
9月下旬	50.0	38.3	33.3	16.7	11.7	30.0	6.7	10.0	15.0	36.7	23.3	33.3	30.0	25.0	13.3	10.0	16.7	5.0	23.3	53.3	60.0	65.0	68.3	61.7
9月	38.3	31.7	31.7	20.0	15.6	30.0	22.8	26.1	22.8	27.2	17.8	23.3	20.6	16.1	10.0	9.4	11.1	5.6	10.6	45.0	46.7	32.2	41.7	41.1
10月上旬	95.0	96.7	85.0	78.3	71.7	81.7	58.3	56.7	50.0	38.3	53.3	56.7	50.0	63.3	58.3	53.3	51.7	58.3	75.0	98.3	96.7	93.3	95.0	100
10月中旬	86.7	76.7	70.0	81.7	80.0	73.3	51.7	33.3	51.7	41.7	35.0	55.0	45.0	51.7	51.7	36.7	46.7	41.7	76.7	86.7	81.7	80.0	86.7	91.7
10月下旬	95.5	89.4	90.9	90.9	87.9	90.9	83.3	71.2	71.2	53.0	47.0	60.6	45.5	57.6	53.0	51.5	47.0	47.0	89.4	93.9	90.9	75.8	95.5	93.9
10月	92.5	87.6	82.3	83.9	80.1	82.3	65.1	54.3	58.1	44.6	45.2	57.5	46.8	57.5	54.3	47.3	48.4	48.9	80.6	93.0	89.8	82.8	92.5	95.2
11月上旬	73.3	71.7	76.7	76.7	75.0	85.0	80.0	76.7	55.0	43.3	28.3	30.0	33.3	30.0	31.7	30.0	33.3	38.3	66.7	60.0	65.0	53.3	60.0	68.3
11月中旬	73.3	68.3	68.3	55.0	66.7	63.3	65.0	65.0	60.0	51.7	50.0	35.0	28.3	15.0	15.0	18.3	20.0	43.3	75.0	81.7	65.0	73.3	78.3	71.7
11月下旬	35.0	30.0	30.0	30.0	25.0	21.7	25.0	16.7	28.3	21.7	6.7	13.3	10.0	8.3	1.7	6.7	10.0	18.3	33.3	23.3	25.0	35.0	23.3	21.7
11月	60.6	56.7	58.3	53.9	55.6	56.7	56.7	52.8	47.8	38.9	28.3	26.1	23.9	17.8	16.1	18.3	21.1	33.3	58.3	55.0	51.7	53.9	53.9	53.9
12月上旬	3.3	1.7	3.3	1.7	8.3	3.3	11.7	8.3	1.7	5.0	3.3	1.7	1.7	3.3	1.7	3.3	1.7	3.3	8.3	8.3	3.3	5.0	3.3	13.3
12月中旬	2.4	2.4	14.3	4.8	2.4	4.8	2.4	0.0	2.4	14.3	2.4	0.0	0.0	2.4	4.8	2.4	0.0	7.1	11.9	4.8	7.1	4.8	4.8	2.4
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	2.9	2.0	7.8	2.9	5.9	3.9	7.8	4.9	2.0	8.8	2.9	1.0	1.0	2.9	2.9	2.9	1.0	4.9	9.8	6.9	4.9	4.9	3.9	8.8
春季	71.6	65.6	64.5	56.8	47.5	45.9	43.4	40.7	40.7	40.7	47.8	41.0	39.9	38.0	38.8	37.7	38.3	35.0	36.9	52.2	72.4	68.3	71.6	72.1
夏季	35.3	32.6	35.3	36.6	34.4	31.7	35.1	36.4	36.8	35.1	33.0	34.8	31.0	29.5	33.0	31.0	29.2	31.3	30.1	35.5	45.1	38.2	34.1	35.1
秋季	64.1	59.0	57.7	52.9	50.7	56.6	48.4	44.5	43.0	37.0	30.6	35.9	30.6	30.8	27.1	25.3	27.1	29.5	50.2	64.7	63.0	56.6	63.0	63.7
冬季	25.3	24.1	23.9	24.1	20.4	17.0	23.9	21.3	21.0	27.3	27.9	25.0	26.1	22.1	24.4	21.0	22.4	21.8	18.4	24.4	28.7	25.9	28.4	32.2
年間	49.4	45.6	45.8	43.2	39.3	39.2	38.6	36.8	36.4	35.3	34.3	34.5	31.7	30.2	30.7	28.7	29.1	29.7	35.3	45.5	52.9	47.5	49.3	50.7

付表D: ウィンドプロファイラによる鳥エコー出現状況

延岡

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	50.0	66.7	33.3	83.3	50.0	33.3	33.3
2月下旬	25.9	24.1	22.2	14.8	25.9	11.1	20.4	22.2	5.6	13.0	25.9	20.4	14.8	13.0	9.3	13.0	27.8	20.4	14.8	25.9	24.1	25.9	29.6	31.5
2月	23.3	21.7	20.0	13.3	23.3	10.0	18.3	20.0	5.0	11.7	23.3	18.3	13.3	11.7	8.3	11.7	26.7	23.3	20.0	26.7	30.0	28.3	30.0	31.7
3月上旬	26.7	16.7	21.7	8.3	18.3	10.0	8.3	13.3	8.3	5.0	8.3	15.0	11.7	18.3	11.7	11.7	15.0	10.0	3.3	15.0	16.7	18.3	23.3	23.3
3月中旬	53.3	43.3	45.0	31.7	38.3	28.3	48.3	45.0	36.7	31.7	40.0	28.3	36.7	28.3	31.7	21.7	18.3	23.3	11.7	33.3	38.3	41.7	38.3	50.0
3月下旬	45.5	37.9	30.3	22.7	22.7	25.8	30.3	19.7	21.2	34.8	24.2	16.7	24.2	25.8	30.3	30.3	28.8	24.2	39.4	48.5	36.4	56.1	50.0	51.5
3月	41.9	32.8	32.3	21.0	26.3	21.5	29.0	25.8	22.0	24.2	24.2	19.9	24.2	24.2	24.7	21.5	21.0	19.4	18.8	32.8	30.6	39.2	37.6	41.9
4月上旬	80.0	78.3	76.7	65.0	46.7	50.0	51.7	28.3	20.0	36.7	38.3	43.3	56.7	43.3	41.7	45.0	35.0	28.3	30.0	76.7	65.0	76.7	75.0	81.7
4月中旬	88.3	81.7	75.0	68.3	75.0	46.7	23.3	28.3	45.0	41.7	43.3	45.0	38.3	43.3	45.0	46.7	41.7	50.0	56.7	81.7	83.3	88.3	83.3	86.7
4月下旬	85.0	86.7	90.0	81.7	73.3	65.0	45.0	36.7	40.0	53.3	51.7	35.0	45.0	48.3	35.0	48.3	45.0	45.0	41.7	73.3	80.0	75.0	80.0	81.7
4月	84.4	82.2	80.6	71.7	65.0	53.9	40.0	31.1	35.0	43.9	44.4	41.1	46.7	45.0	40.6	46.7	40.6	41.1	42.8	77.2	76.1	80.0	79.4	83.3
5月上旬	70.0	73.3	71.7	51.7	51.7	33.3	36.7	38.3	40.0	46.7	41.7	46.7	51.7	46.7	53.3	51.7	36.7	30.0	41.7	50.0	63.3	78.3	70.0	70.0
5月中旬	75.0	73.3	68.3	63.3	48.3	36.7	16.7	16.7	30.0	33.3	18.3	26.7	38.3	26.7	31.7	31.7	43.3	41.7	23.3	51.7	60.0	65.0	70.0	68.3
5月下旬	83.3	81.8	83.3	77.3	71.2	31.8	30.3	37.9	33.3	40.9	50.0	43.9	45.5	53.0	48.5	50.0	40.9	45.5	45.5	69.7	87.9	90.9	92.4	89.4
5月	76.3	76.3	74.7	64.5	57.5	33.9	28.0	31.2	34.4	40.3	37.1	39.2	45.2	42.5	44.6	44.6	40.3	39.2	37.1	57.5	71.0	78.5	78.0	76.3
6月上旬	48.3	43.3	41.7	35.0	36.7	23.3	21.7	10.0	20.0	18.3	25.0	36.7	31.7	41.7	30.0	45.0	45.0	48.3	28.3	31.7	80.0	83.3	63.3	60.0
6月中旬	63.0	64.8	70.4	74.1	68.5	40.7	29.6	22.2	51.9	53.7	48.1	46.3	37.0	44.4	51.9	37.0	48.1	44.4	51.9	66.7	72.2	72.2	74.1	64.8
6月下旬	68.3	65.0	56.7	60.0	50.0	56.7	75.0	60.0	65.0	51.7	53.3	58.3	65.0	50.0	51.7	55.0	63.3	60.0	36.7	51.7	86.7	91.7	83.3	70.0
6月	59.8	57.5	55.7	55.7	51.1	40.2	42.5	31.0	45.4	40.8	42.0	47.1	44.8	45.4	44.3	46.0	52.3	51.1	38.5	49.4	79.9	82.8	73.6	64.9
7月上旬	73.3	70.0	63.3	56.7	51.7	88.3	85.0	86.7	93.3	95.0	88.3	93.3	83.3	83.3	90.0	81.7	68.3	78.3	66.7	58.3	81.7	86.7	80.0	66.7
7月中旬	61.7	75.0	51.7	51.7	53.3	95.0	100	100	100	100	88.3	95.0	90.0	91.7	85.0	88.3	85.0	91.7	93.3	81.7	86.7	93.3	80.0	80.0
7月下旬	81.8	60.6	71.2	75.8	59.1	87.9	90.9	90.9	75.8	92.4	86.4	84.8	78.8	71.2	72.7	80.3	77.3	69.7	51.5	54.5	90.9	86.4	80.3	75.8
7月	72.6	68.3	62.4	61.8	54.8	90.3	91.9	92.5	89.2	95.7	87.6	90.9	83.9	81.7	82.3	83.3	76.9	79.6	69.9	64.5	86.6	88.7	80.1	74.2
8月上旬	25.0	26.7	15.0	8.3	5.0	36.7	43.3	23.3	30.0	35.0	23.3	6.7	1.7	3.3	0.0	0.0	3.3	15.0	1.7	21.7	55.0	55.0	23.3	28.3
8月中旬	3.3	3.3	3.3	3.3	1.7	16.7	18.3	10.0	8.3	6.7	3.3	10.0	18.3	21.7	10.0	11.7	28.3	10.0	1.7	30.0	41.7	16.7	1.7	6.7
8月下旬	93.9	92.4	92.4	86.4	81.8	77.3	74.2	59.1	62.1	66.7	65.2	66.7	74.2	65.2	53.0	42.4	36.4	28.8	33.3	89.4	100	92.4	100	98.5
8月	42.5	42.5	38.7	34.4	31.2	44.6	46.2	31.7	34.4	37.1	31.7	29.0	32.8	31.2	22.0	18.8	23.1	18.3	12.9	48.4	66.7	55.9	43.5	46.2
9月上旬	93.3	90.0	86.7	91.7	96.7	91.7	71.7	73.3	80.0	81.7	83.3	70.0	83.3	53.3	80.0	58.3	63.3	45.0	51.7	86.7	88.3	83.3	90.0	85.0
9月中旬	75.0	75.0	78.3	65.0	78.3	75.0	78.3	61.7	56.7	55.0	61.7	63.3	56.7	61.7	65.0	58.3	50.0	66.7	73.3	80.0	81.7	85.0	86.7	85.0
9月下旬	88.3	83.3	91.7	90.0	76.7	68.3	51.7	58.3	63.3	75.0	66.7	70.0	68.3	70.0	60.0	60.0	53.3	30.0	85.0	96.7	93.3	95.0	95.0	91.7
9月	85.6	82.8	85.6	82.2	83.9	78.3	67.2	64.4	66.7	70.6	70.6	67.8	69.4	61.7	68.3	58.9	55.6	47.2	70.0	87.8	87.8	87.8	90.6	87.2
10月上旬	98.3	91.7	95.0	90.0	88.3	90.0	63.3	58.3	63.3	56.7	63.3	68.3	75.0	73.3	70.0	51.7	60.0	55.0	91.7	91.7	88.3	93.3	100	98.3
10月中旬	68.3	76.7	78.3	83.3	78.3	78.3	53.3	51.7	43.3	63.3	33.3	60.0	58.3	48.3	53.3	43.3	30.0	36.7	80.0	76.7	73.3	76.7	78.3	86.7
10月下旬	97.0	93.9	97.0	98.5	100	98.5	78.8	77.3	51.5	69.7	72.7	74.2	65.2	63.6	54.5	45.5	48.5	48.5	81.8	93.9	80.3	89.4	92.4	98.5
10月	88.2	87.6	90.3	90.9	89.2	89.2	65.6	62.9	52.7	63.4	57.0	67.7	66.1	61.8	59.1	46.8	46.2	46.8	84.4	87.6	80.6	86.6	90.3	94.6
11月上旬	91.7	91.7	85.0	80.0	83.3	75.0	71.7	70.0	65.0	63.3	53.3	40.0	35.0	36.7	31.7	40.0	41.7	51.7	65.0	83.3	86.7	78.3	80.0	80.0
11月中旬	85.0	83.3	76.7	78.3	76.7	80.0	81.7	73.3	63.3	51.7	45.0	41.7	31.7	23.3	23.3	23.3	36.7	56.7	86.7	93.3	93.3	88.3	93.3	98.3
11月下旬	90.0	75.0	73.3	71.7	65.0	81.7	80.0	55.0	38.3	20.0	25.0	20.0	25.0	13.3	20.0	11.7	21.7	43.3	66.7	80.0	95.0	86.7	85.0	83.3
11月	88.9	83.3	78.3	76.7	75.0	78.9	77.8	66.1	55.6	45.0	41.1	33.9	30.6	24.4	25.0	25.0	33.3	50.6	72.8	85.6	91.7	84.4	86.1	87.2
12月上旬	51.7	61.7	65.0	50.0	30.0	60.0	76.7	25.0	11.7	10.0	16.7	23.3	25.0	20.0	11.7	20.0	16.7	31.7	78.3	73.3	66.7	70.0	75.0	61.7
12月中旬	28.6	45.2	47.6	28.6	14.3	28.6	38.1	33.3	9.5	7.1	7.1	11.9	7.1	11.9	11.9	7.1	2.4	4.8	52.4	38.1	50.0	45.2	23.8	21.4
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	42.2	54.9	57.8	41.2	23.5	47.1	60.8	28.4	10.8	8.8	12.7	18.6	17.6	16.7	11.8	14.7	10.8	20.6	67.6	58.8	59.8	59.8	53.9	45.1
春季	80.3	79.2	77.6	68.0	61.2	43.7	33.9	31.1	34.7	42.1	40.7	40.2	45.9	43.7	42.6	45.6	40.4	40.2	39.9	67.2	73.5	79.2	78.7	79.8
夏季	58.2	56.0	52.2	50.5	45.6	58.8	60.6	52.2	56.6	58.2	54.0	55.9	54.0	52.9	49.6	49.5	50.7	49.6	40.5	54.2	77.7	75.6	65.6	61.7
秋季	87.5	84.6	84.8	83.3	82.8	82.2	70.1	64.5	58.2	59.7	56.2	56.6	55.5	49.5	50.9	43.6	45.1	48.2	75.8	87.0	86.6	86.3	89.0	89.7
冬季	38.8	37.4	37.6	25.6	25.0	27.0	36.5	25.6	15.8	17.5	20.7	19.3	20.4	19.8	18.1	17.8	19.0	20.4	33.3	39.4	39.1	43.4	41.1	41.1
年間	67.8	65.8	64.4	59.2	56.0	56.7	53.4	46.5	44.8	47.6	45.6	45.8	46.3	43.6	42.5	40.8	40.8	41.6	49.7	63.9	72.1	73.4	70.6	69.9

付表D: ウィンドプロファイラによる鳥エコー出現状況

熊本

時刻別	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月中旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1月	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月上旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2月中旬	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	83.3	66.7	33.3	83.3	100
2月下旬	27.8	22.2	18.5	18.5	14.8	9.3	33.3	18.5	13.0	22.2	18.5	40.7	31.5	25.9	27.8	38.9	27.8	27.8	27.8	50.0	42.6	40.7	33.3	27.8
2月	25.0	20.0	16.7	16.7	13.3	8.3	30.0	16.7	11.7	20.0	16.7	36.7	28.3	23.3	25.0	35.0	30.0	25.0	25.0	53.3	45.0	40.0	38.3	35.0
3月上旬	20.0	25.0	16.7	20.0	10.0	5.0	8.3	18.3	8.3	10.0	23.3	18.3	18.3	23.3	16.7	18.3	30.0	18.3	20.0	38.3	25.0	25.0	25.0	16.7
3月中旬	48.3	25.0	45.0	51.7	41.7	41.7	25.0	23.3	18.3	31.7	38.3	31.7	23.3	16.7	16.7	18.3	13.3	26.7	23.3	33.3	33.3	56.7	36.7	50.0
3月下旬	47.0	48.5	36.4	39.4	31.8	36.4	36.4	25.8	37.9	43.9	50.0	48.5	43.9	43.9	28.8	24.2	19.7	28.8	25.8	53.0	48.5	66.7	60.6	56.1
3月	38.7	33.3	32.8	37.1	28.0	28.0	23.7	22.6	22.0	29.0	37.6	33.3	29.0	28.5	21.0	20.4	21.0	24.7	23.1	41.9	36.0	50.0	41.4	41.4
4月上旬	60.0	60.0	55.0	40.0	35.0	28.3	30.0	23.3	13.3	46.7	51.7	63.3	48.3	51.7	38.3	31.7	30.0	33.3	30.0	66.7	76.7	73.3	71.7	73.3
4月中旬	75.0	75.0	71.7	53.3	60.0	38.3	31.7	25.0	31.7	43.3	51.7	63.3	60.0	46.7	48.3	46.7	45.0	48.3	31.7	70.0	75.0	78.3	71.7	73.3
4月下旬	78.3	68.3	65.0	61.7	61.7	28.3	36.7	28.3	51.7	55.0	53.3	51.7	33.3	50.0	38.3	41.7	35.0	50.0	43.3	58.3	78.3	76.7	78.3	78.3
4月	71.1	67.8	63.9	51.7	52.2	31.7	32.8	25.6	32.2	48.3	52.2	59.4	47.2	49.4	41.7	40.0	36.7	43.9	35.0	65.0	76.7	76.1	73.9	75.0
5月上旬	58.3	46.7	43.3	48.3	48.3	21.7	23.3	23.3	25.0	36.7	41.7	36.7	38.3	38.3	35.0	33.3	35.0	43.3	26.7	55.0	70.0	73.3	63.3	60.0
5月中旬	61.7	51.7	63.3	51.7	33.3	23.3	21.7	31.7	30.0	38.3	53.3	45.0	26.7	30.0	38.3	33.3	38.3	35.0	30.0	45.0	71.7	73.3	63.3	60.0
5月下旬	81.8	71.2	66.7	66.7	69.7	33.3	22.7	34.8	33.3	53.0	56.1	53.0	50.0	48.5	59.1	53.0	66.7	59.1	40.9	60.6	92.4	86.4	80.3	80.3
5月	67.7	57.0	58.1	55.9	51.1	26.3	22.6	30.1	29.6	43.0	50.5	45.2	38.7	39.2	44.6	40.3	47.3	46.2	32.8	53.8	78.5	78.0	69.4	67.2
6月上旬	51.7	31.7	38.3	36.7	35.0	18.3	18.3	25.0	36.7	36.7	41.7	50.0	45.0	48.3	51.7	65.0	51.7	35.0	41.7	26.7	61.7	68.3	63.3	60.0
6月中旬	98.1	88.9	77.8	81.5	75.9	42.6	42.6	55.6	55.6	44.4	55.6	44.4	64.8	63.0	57.4	61.1	53.7	42.6	35.2	57.4	98.3	98.1	100	100
6月下旬	46.7	51.7	45.0	41.7	48.3	38.3	43.3	43.3	46.7	33.3	46.7	36.7	41.7	51.7	48.3	50.0	56.7	60.0	46.7	45.0	71.7	66.7	63.3	65.0
6月	64.4	56.3	52.9	52.3	52.3	32.8	34.5	40.8	46.0	37.9	47.7	43.7	50.0	54.0	52.3	58.6	54.0	46.0	41.4	42.5	75.9	77.0	74.7	74.1
7月上旬	61.7	58.3	40.0	35.0	50.0	61.7	88.3	85.0	86.7	73.3	75.0	78.3	70.0	55.0	56.7	68.3	65.0	61.7	58.3	63.3	63.3	80.0	80.0	73.3
7月中旬	85.0	86.7	83.3	76.7	71.7	98.3	98.3	96.7	93.3	86.7	93.3	88.3	86.7	76.7	81.7	85.0	88.3	83.3	80.0	78.3	85.0	88.3	91.7	85.0
7月下旬	80.3	83.3	86.4	59.1	69.7	95.5	100	100	98.5	98.5	90.9	86.4	86.4	75.8	87.9	83.3	84.8	83.3	69.7	62.1	84.8	90.9	90.9	86.4
7月	75.8	76.3	70.4	57.0	64.0	85.5	95.7	94.1	93.0	86.6	86.6	84.4	81.2	69.4	75.8	79.0	79.6	76.3	69.4	67.7	78.0	86.6	87.6	81.7
8月上旬	33.3	26.7	33.3	16.7	5.0	23.3	73.3	61.7	51.7	31.7	35.0	35.0	30.0	30.0	20.0	13.3	21.7	10.0	6.7	16.7	46.7	48.3	33.3	26.7
8月中旬	0.0	0.0	1.7	0.0	0.0	8.3	53.3	45.0	33.3	25.0	31.7	36.7	41.7	31.7	43.3	36.7	30.0	15.0	3.3	23.3	55.0	31.7	38.3	31.7
8月下旬	93.9	93.9	81.8	78.8	75.8	72.7	78.8	71.2	69.7	77.3	81.8	80.3	83.3	72.7	71.2	60.6	68.2	59.1	43.9	89.4	90.9	90.9	90.9	92.4
8月	44.1	41.9	40.3	33.3	28.5	36.0	68.8	59.7	52.2	45.7	50.5	51.6	52.7	45.7	45.7	37.6	40.9	29.0	18.8	44.6	65.1	58.1	55.4	51.6
9月上旬	100	91.7	95.0	93.3	90.0	86.7	86.7	90.0	93.3	90.0	86.7	85.0	83.3	76.7	68.3	81.7	90.0	83.3	83.3	100	93.3	98.3	100	100
9月中旬	80.0	81.7	80.0	78.3	71.7	85.0	70.0	76.7	81.7	81.7	80.0	85.0	76.7	73.3	83.3	91.7	85.0	71.7	85.0	93.3	91.7	88.3	96.7	88.3
9月下旬	100	100	100	98.3	95.0	90.0	78.3	66.7	66.7	63.3	78.3	86.7	88.3	90.0	78.3	76.7	56.7	53.3	95.0	98.3	96.7	100	98.3	100
9月	93.3	91.1	91.7	90.0	85.6	87.2	78.3	77.8	80.6	78.3	81.7	85.6	82.8	80.0	76.7	83.3	77.2	69.4	87.8	97.2	93.9	95.6	98.3	96.1
10月上旬	100	98.3	100	93.3	86.7	88.3	66.7	63.3	56.7	61.7	75.0	73.3	88.3	81.7	68.3	60.0	41.7	56.7	85.0	95.0	98.3	98.3	100	100
10月中旬	81.7	86.7	83.3	90.0	78.3	65.0	50.0	41.7	36.7	61.7	68.3	70.0	55.0	48.3	63.3	60.0	43.3	43.3	85.0	91.7	91.7	80.0	90.0	91.7
10月下旬	97.0	97.0	95.5	95.5	93.9	95.5	63.6	57.6	57.6	69.7	80.3	80.3	83.3	74.2	66.7	71.2	68.2	62.1	77.3	86.4	93.9	93.9	89.4	86.4
10月	93.0	94.1	93.0	93.0	86.6	83.3	60.2	54.3	50.5	64.5	74.7	74.7	75.8	68.3	66.1	64.0	51.6	54.3	82.3	90.9	94.6	90.9	93.0	92.5
11月上旬	78.3	73.3	75.0	73.3	73.3	73.3	66.7	60.0	65.0	61.7	50.0	38.3	35.0	41.7	40.0	53.3	56.7	45.0	71.7	68.3	71.7	70.0	75.0	71.7
11月中旬	78.3	76.7	68.3	78.3	76.7	75.0	71.7	80.0	81.7	80.0	70.0	66.7	63.3	55.0	53.3	60.0	73.3	65.0	78.3	86.7	90.0	86.7	81.7	78.3
11月下旬	80.0	65.0	56.7	46.7	45.0	56.7	71.7	38.3	53.3	61.7	58.3	56.7	40.0	45.0	38.3	66.7	76.7	41.7	86.7	88.3	90.0	83.3	90.0	83.3
11月	78.9	71.7	66.7	66.1	65.0	68.3	70.0	59.4	66.7	67.8	59.4	53.9	46.1	47.2	43.9	60.0	68.9	50.6	78.9	81.1	83.9	80.0	82.2	77.8
12月上旬	28.3	15.0	13.3	10.0	10.0	23.3	50.0	13.3	8.3	15.0	46.7	28.3	26.7	25.0	25.0	30.0	40.0	23.3	63.3	48.3	41.7	41.7	30.0	21.7
12月中旬	7.1	11.9	14.3	9.5	9.5	9.5	16.7	19.0	16.7	21.4	9.5	16.7	19.0	21.4	14.3	14.3	31.0	14.3	33.3	31.0	35.7	19.0	14.3	7.1
12月下旬	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12月	19.6	13.7	13.7	9.8	9.8	17.6	36.3	15.7	11.8	17.6	31.4	23.5	23.5	23.5	20.6	23.5	36.3	19.6	51.0	41.2	39.2	32.4	23.5	15.7
春季	69.4	62.3	60.9	53.8	51.6	29.0	27.6	27.9	30.9	45.6	51.4	52.2	42.9	44.3	43.2	40.2	42.1	45.1	33.9	59.3	77.6	77.0	71.6	71.0
夏季	61.4	58.2	54.6	47.4	48.2	51.8	67.0	65.4	64.1	57.1	61.9	60.3	61.5	56.4	58.1	58.4	58.2	50.5	43.2	51.8	72.9	73.8	72.5	69.0
秋季	88.5	85.7	83.9	83.2	79.1	79.7	69.4	63.7	65.8	70.1	72.0	71.4	68.3	65.2	62.3	69.0	65.8	58.1	83.0	89.7	90.8	88.8	91.2	88.8
冬季	30.7	25.3	24.4	25.6	20.1	21.6	28.4	19.5	17.2	24.1	32.2	31.0	27.3	26.1	21.6	23.9	27.0	23.3	31.6	43.7	38.5	43.1	35.6	32.8
年間	65.3	61.0	58.9	55.3	52.8	49.8	52.3	48.4	48.8	52.4	57.1	56.4	53.2	50.8	49.3	51.3	51.2	46.5	51.1	63.2	72.6	73.1	70.9	68.4