Skill Remoteness and Post-Layoff Labor Market Outcomes
ONLINE APPENDIX

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1 NLSY79 regressions: details and additional empirical analysis

Table 1 and table 2 (regression equation (4) in main text):

$$earnings_{it} = \alpha_i + \beta^{(1)}\mathbf{X}_{it} + \beta^{(2)}\mathbf{X}_{it_0} + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}}\mathtt{above}_{it_0} + \epsilon_{it}$$

Table 3 and table 4 (regression equation not reported in main text):

$$\frac{earnings_{it}}{earnings_{it_{-1}}} = \alpha_i + \beta^{(1)}\mathbf{X}_{it} + \beta^{(2)}\mathbf{X}_{it_0} + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}}\mathtt{above}_{it_0} + \epsilon_{it}$$

Table 7 and table 8 (regression equations (5) and (6) in main text):

$$hours_{it} = \alpha_i + \beta^{(1)}\mathbf{X}_{it} + \beta^{(2)}\mathbf{X}_{it_0} + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}}\mathtt{above}_{it_0} + \epsilon_{it}$$

$$wage_{it} = \alpha_i + \beta^{(1)}\mathbf{X}_{it} + \beta^{(2)}\mathbf{X}_{it_0} + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}}\mathtt{above}_{it_0} + \epsilon_{it}$$

Table 9 and table 10 (regression equation not reported in main text):

$$changed\_occ_{it} = \alpha_i + \beta^{(1)}\mathbf{X}_{it} + \beta^{(2)}\mathbf{X}_{it_0} + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}}\mathtt{above}_{it_0} + \epsilon_{it} \tag{1}$$

Table 11 and table 12 (regression equation (8) in main text):

$$earnings_{it} = \alpha_i + \beta^{(1)}\mathbf{X}_{it} + \beta^{(2)}\mathbf{X}_{it_0} + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}}\mathtt{exceed}_{it_0} + \epsilon_{it}$$

Table 13 and table 14 (regression equation not reported in main text):

$$
\begin{aligned}
changed\_cbsa_{it} \quad = \quad & \alpha_i + \beta^{(1)} \mathbf{X}_{it} + \beta^{(2)} \mathbf{X}_{it_0} \\
& + \sum_{m=-12}^{48} \gamma_m \mathbf{I}_{\{t=t_0+m\}} + \sum_{m=-12}^{48} \delta_m \mathbf{I}_{\{t=t_0+m\}} \texttt{above}_{it_0} + \epsilon_{it}
\end{aligned}
$$

$$(2)$$

Table 1: Detailed coefficients from earnings regression (4) (table 1/2).

m	γ_m	SE (γ_m)	δ_m	SE (δ_m)	earnings loss from δ_m (% of pre-layoff avg.)
-11	43.40	45.93	22.24	71.16	–
-10	23.05	44.38	13.23	69.39	–
-9	-6.99	44.33	12.59	67.52	–
-8	-25.13	43.07	49.73	65.26	–
-7	15.07	41.15	-4.48	63.26	–
-6	3.23	38.36	6.16	60.21	–
-5	23.21	35.36	8.60	55.80	–
-4	29.29	32.98	29.80	52.56	–
-3	34.18	28.37	11.35	47.80	–
-2	19.61	25.68	22.60	44.39	–
-1	42.18	23.27	41.71	39.02	–
0	-2,067.58	47.35	-491.18	78.34	23.76
1	-1,879.78	49.68	-416.53	80.53	22.16
2	-1,772.93	50.17	-285.51	81.66	16.10
3	-1,673.44	50.37	-189.34	81.83	11.31
4	-1,597.38	51.01	-203.57	81.95	12.74
5	-1,524.19	49.92	-233.78	81.54	15.34
6	-1,435.72	50.09	-223.99	81.74	15.60
7	-1,385.49	50.88	-241.60	81.30	17.44
8	-1,349.93	51.12	-224.60	81.28	16.64
9	-1,348.89	50.35	-171.28	80.01	12.70
10	-1,348.88	51.06	-116.29	80.14	8.62
11	-1,320.80	49.20	-151.33	76.93	11.46
12	-1,307.86	49.52	-142.76	76.25	10.92
13	-1,277.13	51.99	-165.54	78.57	12.96
14	-1,256.80	53.41	-124.42	79.58	9.90
15	-1,228.21	53.15	-122.91	78.20	10.01
16	-1,220.16	53.80	-113.49	80.38	9.30
17	-1,186.78	53.74	-149.67	78.35	12.61
18	-1,163.81	54.33	-161.70	79.83	13.89
19	-1,149.98	54.64	-172.07	78.57	14.96

Table 2: Detailed coefficients from earnings regression (4) (table 2/2).

m	γ_m	SE (γ_m)	δ_m	SE (δ_m)	earnings loss from δ_m (% of pre-layoff avg.)
20	-1,139.35	56.21	-170.36	79.09	14.95
21	-1,124.53	58.86	-173.74	80.07	15.45
22	-1,135.39	59.28	-129.32	80.14	11.39
23	-1,107.67	60.62	-159.79	80.24	14.43
24	-1,086.58	60.77	-202.37	80.71	18.63
25	-1,077.92	61.24	-180.11	79.45	16.71
26	-1,056.90	62.72	-231.62	81.40	21.92
27	-1,042.63	64.50	-265.71	83.51	25.48
28	-1,024.27	66.49	-297.30	86.68	29.03
29	-1,006.89	66.00	-281.18	84.70	27.93
30	-986.03	65.75	-278.14	84.61	28.21
31	-993.30	66.79	-244.35	84.68	24.60
32	-995.13	67.98	-225.82	85.35	22.69
33	-1,042.92	69.38	-171.73	84.88	16.47
34	-993.78	69.00	-198.47	85.62	19.97
35	-997.11	69.50	-195.64	86.11	19.62
36	-1,026.38	71.31	-196.12	87.62	19.11
37	-1,026.14	72.03	-200.35	86.93	19.52
38	-1,024.31	73.06	-205.14	87.94	20.03
39	-1,036.55	72.62	-234.41	90.19	22.61
40	-1,004.24	72.96	-207.96	88.97	20.71
41	-989.75	73.41	-214.69	89.86	21.69
42	-1,014.75	73.72	-191.55	90.01	18.88
43	-988.11	74.65	-180.77	87.72	18.29
44	-976.64	75.83	-185.39	89.54	18.98
45	-944.71	78.08	-245.61	90.73	26.00
46	-934.89	78.98	-258.58	91.89	27.66
47	-954.46	80.02	-283.67	95.58	29.72
Cumulative earnings loss	-57,227.03		-10,111.49		17.67

Table 3: Detailed coefficients from earnings regression (4), in terms of pre-layoff earnings (table 1/2).

m	γ_m	SE (γ_m)	δ_m	SE (δ_m)
-11	0.018	0.018	0.008	0.028
-10	0.009	0.018	0.005	0.028
-9	-0.003	0.018	0.005	0.027
-8	-0.010	0.017	0.019	0.026
-7	0.006	0.017	-0.002	0.025
-6	0.002	0.015	0.002	0.024
-5	0.010	0.014	0.003	0.022
-4	0.012	0.013	0.011	0.021
-3	0.014	0.011	0.004	0.019
-2	0.008	0.010	0.009	0.018
-1	0.017	0.009	0.016	0.016
0	-0.831	0.019	-0.186	0.031
1	-0.755	0.020	-0.157	0.032
2	-0.713	0.020	-0.106	0.033
3	-0.673	0.020	-0.068	0.033
4	-0.642	0.020	-0.074	0.033
5	-0.613	0.020	-0.086	0.033
6	-0.577	0.020	-0.083	0.033
7	-0.557	0.020	-0.090	0.032
8	-0.543	0.021	-0.084	0.032
9	-0.542	0.020	-0.062	0.032
10	-0.542	0.020	-0.041	0.032
11	-0.531	0.020	-0.055	0.031
12	-0.526	0.020	-0.051	0.030
13	-0.513	0.021	-0.061	0.031
14	-0.505	0.021	-0.044	0.032
15	-0.493	0.021	-0.044	0.031
16	-0.490	0.022	-0.040	0.032
17	-0.477	0.022	-0.055	0.031
18	-0.468	0.022	-0.060	0.032
19	-0.462	0.022	-0.064	0.031

Table 4: Detailed coefficients from earnings regression (4), in terms of pre-layoff earnings (table 2/2).

m	γ_m	SE (γ_m)	δ_m	SE (δ_m)
20	-0.458	0.023	-0.063	0.032
21	-0.452	0.024	-0.065	0.032
22	-0.456	0.024	-0.047	0.032
23	-0.445	0.024	-0.059	0.032
24	-0.436	0.024	-0.076	0.032
25	-0.433	0.025	-0.068	0.032
26	-0.424	0.025	-0.088	0.032
27	-0.419	0.026	-0.102	0.033
28	-0.411	0.027	-0.115	0.035
29	-0.404	0.026	-0.108	0.034
30	-0.396	0.026	-0.107	0.034
31	-0.399	0.027	-0.094	0.034
32	-0.400	0.027	-0.086	0.034
33	-0.419	0.028	-0.065	0.034
34	-0.399	0.028	-0.076	0.034
35	-0.401	0.028	-0.074	0.034
36	-0.412	0.029	-0.074	0.035
37	-0.412	0.029	-0.076	0.035
38	-0.411	0.029	-0.078	0.035
39	-0.416	0.029	-0.090	0.036
40	-0.403	0.029	-0.079	0.036
41	-0.398	0.029	-0.082	0.036
42	-0.408	0.030	-0.073	0.036
43	-0.397	0.030	-0.068	0.035
44	-0.392	0.030	-0.070	0.036
45	-0.379	0.031	-0.094	0.036
46	-0.376	0.032	-0.100	0.037
47	-0.383	0.032	-0.109	0.038

Table 5: Testing for non-linearities: columns (1), (2), (3) report coefficients from regression (4), but using indicators for the job exceeding the 75th, 90th, and 50th percentile, respectively. Negative effects associated with losing a job exceeding higher skill remoteness percentiles are generally larger than those associated with losing a job which is more skill-remote than the median.

m	90th pct	75th pct	50th pct
1	-984.25	-908.69	-491.18
	(182.36)	(117.04)	(78.34)
2	-784.35	-778.26	-416.53
	(195.34)	(121.24)	(80.53)
3	-554.36	-616.34	-285.51
	(191.56)	(120.73)	(81.66)
4	-556.19	-510.03	-189.34
	(191.95)	(120.20)	(81.83)
5	-394.05	-455.47	-203.57
	(193.98)	(122.55)	(81.95)
6	-360.79	-500.60	-233.78
	(188.47)	(121.41)	(81.54)
7	-288.21	-472.54	-223.99
	(194.76)	(234.87)	(81.74)
8	-322.78	-455.68	-241.60
	(195.40)	(123.66)	(81.30)
9	-372.76	-454.67	-224.60
	(198.95)	(123.67)	(81.28)
10	-341.38	-419.09	-171.28
	(202.94)	(124.78)	(80.01)
11	-336.30	-417.81	-116.29
	(198.77)	(126.03)	(80.14)
12	-350.71	-450.33	-151.33
	(206.62)	(121.45)	(76.93)
N_{pct}	201	566	1072
N	2009	2009	2009

Table 6: Comparing the earnings losses associated with exceeding median local skill remoteness at layoff and one standard deviation decrease in the local share of the occupation at layoff. Regression specification includes both, own occupation employment share has unitary standard deviation.

Months from layoff	Skill remoteness	SE	Own occup. share	SE
0	-583.07	85.07	-200.67	40.87
1	-514.35	87.91	-214.72	43.11
2	-364.62	88.83	-170.77	42.70
3	-257.14	88.38	-149.68	43.10
4	-272.04	89.71	-148.38	44.70
5	-290.45	89.42	-128.41	43.69
6	-276.78	89.48	-117.26	44.39
7	-292.24	88.79	-108.99	44.59
8	-262.65	88.84	-82.95	45.27
9	-211.04	87.27	-84.39	44.59
10	-154.16	87.36	-81.79	44.81
11	-187.24	83.29	-77.86	43.41
12	-179.80	82.75	-79.50	43.27

Table 7: Detailed coefficients from wage and hours worked regression (5) and (6) (table 1/2). Note that sample restrictions are such that only full-time, full-year workers are selected before layoff, hence coefficients on hours are missing for that period.

m	Hourly wage (in \$)				Hours worked (per month)			
	γ_m	SE (γ_m)	δ_m	SE (δ_m)	γ_m	SE (γ_m)	δ_m	SE (δ_m)
-11	-1.95	0.22	-0.02	0.36	—	—	—	—
-10	-1.79	0.22	-0.30	0.35	—	—	—	—
-9	-2.00	0.22	-0.06	0.34	—	—	—	—
-8	-1.89	0.22	0.01	0.32	—	—	—	—
-7	-1.42	0.21	-0.36	0.31	—	—	—	—
-6	-1.34	0.20	-0.33	0.30	—	—	—	—
-5	-1.18	0.19	-0.19	0.29	—	—	—	—
-4	-1.03	0.19	-0.07	0.28	—	—	—	—
-3	-0.68	0.15	-0.06	0.24	—	—	—	—
-2	-0.36	0.13	0.01	0.21	—	—	—	—
-1	-0.11	0.11	0.02	0.18	—	—	—	—
0	-11.11	0.25	-1.94	0.41	-127.57	1.73	-1.62	2.62
1	-10.08	0.25	-1.54	0.41	-116.88	1.91	-1.01	2.79
2	-9.49	0.25	-1.17	0.40	-110.76	2.00	0.95	2.90
3	-9.01	0.26	-0.62	0.41	-105.07	2.06	4.73	2.94
4	-8.53	0.26	-0.75	0.40	-100.32	2.10	3.23	2.93
5	-8.13	0.25	-0.92	0.40	-96.77	2.11	3.12	2.89
6	-7.71	0.25	-0.82	0.40	-92.63	2.16	1.31	2.92
7	-7.44	0.26	-0.86	0.40	-89.67	2.16	1.05	2.93
8	-7.16	0.26	-0.89	0.40	-87.00	2.16	2.00	2.95
9	-7.11	0.26	-0.63	0.39	-85.89	2.20	3.22	2.96
10	-7.01	0.26	-0.42	0.39	-85.02	2.26	5.57	2.94
11	-6.86	0.26	-0.56	0.38	-83.70	2.25	5.23	2.93
12	-6.73	0.26	-0.52	0.37	-83.19	2.28	5.24	2.90
13	-6.53	0.27	-0.60	0.37	-82.47	2.33	5.55	2.94
14	-6.38	0.27	-0.40	0.39	-80.96	2.35	6.10	2.93
15	-6.17	0.27	-0.56	0.38	-78.36	2.34	4.13	2.96
16	-6.04	0.28	-0.64	0.39	-77.48	2.36	3.38	2.96
17	-5.88	0.28	-0.71	0.39	-76.54	2.41	1.64	2.99
18	-5.79	0.28	-0.77	0.39	-75.32	2.45	0.50	3.05
19	-5.63	0.28	-0.86	0.39	-73.68	2.45	-0.63	3.03

Table 8: Detailed coefficients from wage and hours worked regression (5) and (6) (table 2/2).

m	Hourly wage (in \$)				Hours worked (per month)			
	γ_m	SE (γ_m)	δ_m	SE (δ_m)	γ_m	SE (γ_m)	δ_m	SE (δ_m)
20	-5.48	0.29	-1.00	0.39	-73.88	2.51	-0.07	3.03
21	-5.39	0.30	-1.01	0.40	-74.61	2.58	1.90	3.07
22	-5.45	0.30	-0.71	0.40	-73.95	2.59	2.19	3.09
23	-5.34	0.30	-0.89	0.40	-72.84	2.64	1.58	3.09
24	-5.30	0.30	-1.00	0.40	-71.65	2.63	-0.06	3.08
25	-5.20	0.30	-0.95	0.39	-71.63	2.63	1.36	3.05
26	-5.13	0.30	-1.08	0.40	-70.57	2.63	0.01	3.09
27	-5.09	0.30	-1.22	0.41	-70.31	2.65	-0.63	3.13
28	-4.94	0.31	-1.41	0.42	-69.18	2.70	-2.06	3.19
29	-4.78	0.31	-1.35	0.41	-68.11	2.67	-1.36	3.10
30	-4.71	0.31	-1.34	0.41	-67.26	2.70	-1.91	3.13
31	-4.77	0.31	-1.13	0.41	-66.69	2.76	-1.48	3.14
32	-4.73	0.32	-1.11	0.42	-67.02	2.83	-0.75	3.18
33	-4.89	0.33	-0.92	0.42	-69.63	2.96	1.26	3.25
34	-4.69	0.32	-1.02	0.42	-67.09	2.94	0.24	3.26
35	-4.73	0.32	-0.99	0.42	-66.96	2.92	-0.33	3.30
36	-4.89	0.33	-0.88	0.43	-68.96	2.98	0.73	3.37
37	-4.85	0.33	-0.93	0.42	-69.79	3.06	2.59	3.37
38	-4.79	0.33	-1.03	0.42	-68.43	3.04	0.86	3.36
39	-4.87	0.34	-1.22	0.43	-68.30	3.04	-1.64	3.40
40	-4.67	0.34	-1.17	0.42	-67.64	3.04	0.02	3.40
41	-4.56	0.34	-1.21	0.42	-66.42	3.02	-0.83	3.37
42	-4.75	0.34	-0.97	0.43	-66.32	3.07	-0.76	3.39
43	-4.56	0.34	-1.04	0.42	-65.32	3.08	-0.45	3.36
44	-4.52	0.35	-0.95	0.43	-64.14	3.09	-0.38	3.37
45	-4.48	0.35	-1.08	0.42	-62.01	3.08	-3.03	3.35
46	-4.55	0.35	-0.89	0.43	-61.94	3.13	-3.21	3.42
47	-4.51	0.36	-1.16	0.44	-62.71	3.19	-2.85	3.49

Table 9: Detailed coefficients from occupational change regression (10) (table 1/2).

m	γ_m	SE (γ_m)	SE (remote)	SE (central)	% Change (remote over central)
0	0.00	0.00	0.00	0.00	—
1	0.14	0.12	0.01	0.01	16.19%
2	0.19	0.17	0.01	0.01	10.66%
3	0.22	0.20	0.02	0.01	13.25%
4	0.28	0.22	0.02	0.01	22.83%
5	0.29	0.26	0.02	0.01	15.41%
6	0.32	0.28	0.02	0.01	12.73%
7	0.34	0.30	0.02	0.01	14.27%
8	0.36	0.32	0.02	0.01	13.55%
9	0.38	0.33	0.02	0.01	15.55%
10	0.39	0.34	0.02	0.01	12.88%
11	0.41	0.35	0.02	0.01	14.98%
12	0.42	0.36	0.02	0.01	17.68%
13	0.43	0.37	0.02	0.01	16.09%
14	0.44	0.38	0.02	0.01	16.53%
15	0.44	0.39	0.02	0.01	12.53%
16	0.45	0.41	0.02	0.01	10.76%
17	0.46	0.42	0.02	0.02	10.32%
18	0.47	0.43	0.02	0.02	9.99%
19	0.48	0.44	0.02	0.02	10.07%

Table 10: Detailed coefficients from occupational change regression (10) (table 2/2).

m	γ_m	SE (γ_m)	SE (remote)	SE (central)	% Change (remote over central)
20	0.48	0.44	0.02	0.02	8.92%
21	0.48	0.45	0.02	0.02	7.85%
22	0.49	0.45	0.02	0.02	8.62%
23	0.50	0.45	0.02	0.02	10.25%
24	0.50	0.46	0.02	0.02	8.96%
25	0.51	0.46	0.02	0.02	10.15%
26	0.52	0.47	0.02	0.02	11.45%
27	0.53	0.47	0.02	0.02	11.74%
28	0.54	0.49	0.02	0.02	9.52%
29	0.54	0.49	0.02	0.02	10.26%
30	0.54	0.50	0.02	0.02	8.48%
31	0.55	0.50	0.02	0.02	9.12%
32	0.55	0.50	0.02	0.02	10.36%
33	0.56	0.50	0.02	0.02	10.52%
34	0.57	0.51	0.02	0.02	11.45%
35	0.57	0.52	0.02	0.02	10.74%
36	0.58	0.53	0.02	0.02	9.17%
37	0.58	0.53	0.02	0.02	8.21%
38	0.59	0.54	0.02	0.02	8.03%
39	0.59	0.55	0.02	0.02	8.29%
40	0.60	0.54	0.02	0.02	10.34%
41	0.60	0.55	0.02	0.02	8.99%
42	0.60	0.55	0.02	0.02	8.31%
43	0.60	0.56	0.02	0.02	7.04%
44	0.61	0.56	0.02	0.02	8.51%
45	0.61	0.57	0.02	0.02	8.19%
46	0.62	0.56	0.02	0.02	9.52%
47	0.62	0.57	0.02	0.02	8.66%
48	0.63	0.57	0.02	0.02	9.31%

Table 11: Detailed coefficients *on skill distance after occupational change* from earnings regression (8) (table 1/2).

m	γ_m	SE
0	–	–
1	-77.57	66.61
2	-26.51	59.72
3	-49.18	57.16
4	-85.56	53.27
5	-69.31	53.65
6	-70.15	51.66
7	-99.37	51.78
8	-73.07	49.93
9	-68.02	49.37
10	-45.63	46.42
11	-70.24	46.62
12	-76.34	47.41
13	-76.75	48.34
14	-62.38	46.98
15	-75.48	46.67
16	-84.84	46.11
17	-101.74	47.23
18	-98.91	46.62
19	-120.29	46.56
20	-91.79	44.73
21	-89.79	43.66
22	-97.75	43.78
23	-82.71	43.21

Table 12: Detailed coefficients *on skill distance after occupational change* from earnings regression (8) (table 2/2).

m	γ_m	SE
24	-85.16	44.43
25	-83.22	42.83
26	-67.28	43.27
27	-63.44	43.03
28	-67.03	42.53
29	-85.43	41.85
30	-63.75	40.91
31	-66.13	39.79
32	-72.09	40.21
33	-67.59	40.56
34	-59.39	41.20
35	-38.40	40.42
36	-33.49	38.93
37	-23.81	38.00
38	-33.29	36.08
39	-19.31	35.28
40	-15.57	35.11
41	-20.24	33.30
42	-21.49	33.97
43	-20.10	33.35
44	-27.49	33.10
45	-43.06	32.89
46	40.84	20.16
47	34.09	16.83

Table 13: Detailed coefficients from migration propensity regression (11) (table 1/2).

m	Coefficient	SE
0	–	–
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.01	0.00
6	0.01	0.01
7	0.00	0.01
8	0.01	0.01
9	0.01	0.01
10	0.01	0.01
11	0.01	0.01
12	0.01	0.01
13	0.02	0.01
14	0.02	0.01
15	0.02	0.01
16	0.03	0.01
17	0.03	0.01
18	0.03	0.01
19	0.03	0.01

Table 14: Detailed coefficients from migration propensity regression (11) (table 2/2).

m	Coefficient	SE
20	0.02	0.01
21	0.02	0.01
22	0.03	0.01
23	0.03	0.01
24	0.02	0.01
25	0.02	0.01
26	0.03	0.01
27	0.02	0.01
28	0.02	0.01
29	0.02	0.01
30	0.03	0.01
31	0.03	0.01
32	0.03	0.01
33	0.03	0.01
34	0.03	0.01
35	0.03	0.01
36	0.03	0.01
37	0.02	0.01
38	0.03	0.01
39	0.02	0.01
40	0.03	0.01
41	0.03	0.01
42	0.03	0.01
43	0.03	0.01
44	0.03	0.01
45	0.03	0.01
46	0.02	0.01
47	0.03	0.01
48	0.02	0.01