

Table S1. Observed and calculated line positions for bands in the CDF ($\tilde{A}^1A'' \leftarrow \tilde{X}^1A'$) system.

Rotational transition $J' K_a' K_c' \leftarrow J'' K_a'' K_c''$	Observed position (cm ⁻¹)	Observed – calculated (cm ⁻¹)
$1_1^0 2_0^2$		
<i>K_a' = 0 ← K_a'' = 1 subband</i>		
4 ₀₄ ← 5 ₁₄	16877.28	-0.05
3 ₀₃ ← 4 ₁₃	16880.30	-0.03
2 ₀₂ ← 3 ₁₂	16883.13	0.01
1 ₀₁ ← 2 ₁₁	16885.73	0.03
0 ₀₀ ← 1 ₁₀	16888.15	0.08
2 ₀₂ ← 1 ₁₀	16893.98	0.02
3 ₀₃ ← 2 ₁₁	16895.53	0.04
4 ₀₄ ← 3 ₁₂	16896.86	0.03
5 ₀₅ ← 4 ₁₃	16897.92	-0.02
6 ₀₆ ← 5 ₁₄	16898.89	0.03
<i>K_a' = 1 ← K_a'' = 0 subband</i>		
4 ₁₃ ← 5 ₀₅	16904.22	-0.10
3 ₁₂ ← 4 ₀₄	16906.84	-0.02
2 ₁₁ ← 3 ₀₃	16909.26	-0.03
1 ₁₀ ← 2 ₀₂	16911.58	-0.04
6 ₁₆ ← 6 ₀₆	16912.44	0.12
5 ₁₅ ← 5 ₀₅	16913.39	0.04
4 ₁₄ ← 4 ₀₄	16914.20	0.00
3 ₁₃ ← 3 ₀₃	16914.86	-0.03
2 ₁₂ ← 2 ₀₂	16915.52	0.11
1 ₁₁ ← 1 ₀₁	16915.74	-0.01
1 ₁₀ ← 0 ₀₀	16917.93	0.01
2 ₁₁ ← 1 ₀₁	16919.82	0.03
3 ₁₂ ← 2 ₀₂	16921.60	0.04
4 ₁₃ ← 3 ₀₃	16923.14	-0.07
5 ₁₄ ← 4 ₀₄	16924.70	-0.06
6 ₁₅ ← 5 ₀₅	16926.17	-0.03
7 ₁₆ ← 6 ₀₆	16927.48	-0.04
8 ₁₇ ← 7 ₀₇	16928.80	0.07
<i>K_a' = 2 ← K_a'' = 1 subband</i>		
2 ₂₀ ← 1 ₁₀	16963.54	0.04
2 ₂₁ ← 1 ₁₁	16963.64	0.00
3 ₂₂ ← 2 ₁₂	16965.04	-0.01
3 ₂₁ ← 2 ₁₁	16965.42	-0.03
4 ₂₂ ← 3 ₁₂	16966.31	-0.07
4 ₂₃ ← 3 ₁₃	16967.10	-0.08
$1_1^1 2_1^1$		
<i>K_a' = 0 ← K_a'' = 1 subband</i>		
3 ₀₃ ← 4 ₁₃	17166.73	0.06
2 ₀₂ ← 3 ₁₂	17169.52	-0.01
1 ₀₁ ← 2 ₁₁	17172.16	0.00
0 ₀₀ ← 1 ₁₀	17174.63	0.05
2 ₀₂ ← 1 ₁₀	17180.53	0.01
3 ₀₃ ← 2 ₁₁	17182.04	-0.03
4 ₀₄ ← 3 ₁₂	17183.31	-0.09
<i>K_a' = 1 ← K_a'' = 0 subband</i>		
4 ₁₃ ← 5 ₀₅	17188.16	-0.01
3 ₁₂ ← 4 ₀₄	17190.69	0.03
2 ₁₁ ← 3 ₀₃	17193.06	0.02
8 ₁₈ ← 8 ₀₈	17195.05	0.01
1 ₁₀ ← 2 ₀₂	17201.62	0.02
1 ₁₀ ← 0 ₀₀	17203.49	0.01
2 ₁₁ ← 1 ₀₁	17205.25	-0.01
3 ₁₂ ← 2 ₀₂	17206.90	-0.04
4 ₁₃ ← 3 ₀₃	17208.48	-0.04

$5_{14} \leftarrow 4_{04}$	17209.99	-0.01
$6_{15} \leftarrow 5_{05}$	17211.41	0.02
0_0^0		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$3_{13} \leftarrow 4_{23}$	17271.73	0.04
$3_{12} \leftarrow 4_{22}$	17272.19	0.11
$2_{12} \leftarrow 3_{22}$	17274.34	-0.02
$2_{11} \leftarrow 3_{21}$	17274.60	0.05
$1_{11} \leftarrow 2_{21}$	17276.90	0.06
$1_{10} \leftarrow 2_{20}$	17276.90	-0.01
$5_{14} \leftarrow 5_{24}$	17279.48	-0.01
$4_{13} \leftarrow 4_{23}$	17280.16	0.09
$3_{13} \leftarrow 3_{21}$	17280.16	0.05
$3_{12} \leftarrow 3_{22}$	17280.43	-0.05
$2_{11} \leftarrow 2_{21}$	17280.91	0.02
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$4_{04} \leftarrow 5_{14}$	17277.44	0.02
$3_{03} \leftarrow 4_{13}$	17280.51	0.06
$2_{02} \leftarrow 3_{12}$	17283.32	0.04
$1_{01} \leftarrow 2_{11}$	17285.90	0.01
$0_{00} \leftarrow 1_{10}$	17288.25	-0.03
$2_{02} \leftarrow 1_{10}$	17294.14	-0.02
$3_{03} \leftarrow 2_{11}$	17295.66	-0.02
$4_{04} \leftarrow 3_{12}$	17296.95	-0.03
$5_{05} \leftarrow 4_{13}$	17298.02	-0.03
$6_{06} \leftarrow 5_{14}$	17298.92	-0.02
$7_{07} \leftarrow 6_{15}$	17299.56	-0.03
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$4_{13} \leftarrow 5_{05}$	17300.66	0.00
$3_{12} \leftarrow 4_{04}$	17303.20	0.00
$2_{11} \leftarrow 3_{03}$	17305.63	-0.02
$8_{18} \leftarrow 8_{08}$	17305.94	0.03
$1_{10} \leftarrow 2_{02}$	17307.97	-0.02
$6_{16} \leftarrow 6_{06}$	17308.48	-0.02
$5_{15} \leftarrow 5_{05}$	17309.57	0.00
$4_{14} \leftarrow 4_{04}$	17310.46	-0.02
$3_{13} \leftarrow 3_{03}$	17311.20	0.00
$2_{12} \leftarrow 2_{02}$	17311.72	-0.04
$1_{11} \leftarrow 1_{01}$	17312.09	-0.04
$1_{10} \leftarrow 0_{00}$	17314.29	-0.03
$2_{11} \leftarrow 1_{01}$	17316.19	-0.01
$3_{12} \leftarrow 2_{02}$	17317.94	-0.01
$4_{13} \leftarrow 3_{03}$	17319.57	-0.03
$5_{14} \leftarrow 4_{04}$	17321.12	-0.02
$6_{15} \leftarrow 5_{05}$	17322.56	-0.01
$7_{16} \leftarrow 6_{06}$	17323.92	0.01
$8_{17} \leftarrow 7_{07}$	17325.18	0.02
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$5_{23} \leftarrow 6_{15}$	17330.44	0.05
$4_{22} \leftarrow 5_{14}$	17333.62	-0.01
$4_{23} \leftarrow 5_{15}$	17335.56	-0.02
$3_{21} \leftarrow 4_{13}$	17336.63	-0.03
$3_{22} \leftarrow 4_{14}$	17337.95	-0.01
$2_{20} \leftarrow 3_{12}$	17339.48	-0.01
$2_{21} \leftarrow 3_{13}$	17340.25	-0.02
$7_{26} \leftarrow 7_{16}$	17340.60	-0.02
$6_{25} \leftarrow 6_{15}$	17342.12	0.00
$5_{24} \leftarrow 5_{14}$	17343.40	-0.01
$4_{23} \leftarrow 4_{13}$	17344.49	0.00
$3_{22} \leftarrow 3_{12}$	17345.36	0.01
$3_{21} \leftarrow 3_{13}$	17346.04	0.03
$2_{20} \leftarrow 2_{12}$	17346.41	0.02
$2_{20} \leftarrow 1_{10}$	17350.40	0.04
$2_{21} \leftarrow 1_{11}$	17350.40	-0.09
$3_{21} \leftarrow 2_{11}$	17351.87	-0.01

$3_{22} \leftarrow 2_{12}$	17352.24	-0.03
$4_{22} \leftarrow 3_{12}$	17353.18	-0.03
$4_{23} \leftarrow 3_{13}$	17353.96	0.00
$5_{23} \leftarrow 4_{13}$	17354.29	0.00
$6_{24} \leftarrow 5_{14}$	17355.19	0.02
$5_{24} \leftarrow 4_{14}$	17355.57	-0.01
$6_{25} \leftarrow 5_{15}$	17357.10	0.00
$7_{26} \leftarrow 6_{16}$	17358.54	-0.01
$K_a' = 3 \leftarrow K_a'' = 2$ subband		
$5_{33} \leftarrow 5_{23}$	17390.64	0.02
$5_{32} \leftarrow 5_{24}$	17390.64	-0.03
$4_{31} \leftarrow 4_{23}$	17391.43	0.03
$4_{32} \leftarrow 4_{22}$	17391.43	0.00
$3_{30} \leftarrow 2_{20}$	17398.58	-0.01
$3_{31} \leftarrow 2_{21}$	17398.58	-0.01
$4_{31} \leftarrow 3_{21}$	17399.86	0.01
$4_{32} \leftarrow 3_{22}$	17399.86	-0.00
$5_{32} \leftarrow 4_{22}$	17401.21	0.02
$5_{33} \leftarrow 4_{23}$	17401.21	-0.01
$6_{33} \leftarrow 5_{23}$	17402.39	0.03
$6_{34} \leftarrow 5_{24}$	17402.39	-0.03
1_1^1		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$3_{03} \leftarrow 4_{13}$	17417.26	0.02
$2_{02} \leftarrow 3_{12}$	17420.10	0.02
$1_{01} \leftarrow 2_{11}$	17422.80	0.11
$0_{00} \leftarrow 1_{10}$	17425.18	0.10
$2_{02} \leftarrow 1_{10}$	17430.99	0.08
$3_{03} \leftarrow 2_{11}$	17432.48	0.07
$4_{04} \leftarrow 3_{12}$	17433.86	0.18
$5_{05} \leftarrow 4_{13}$	17434.77	0.04
$6_{06} \leftarrow 5_{14}$	17435.59	0.03
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$4_{13} \leftarrow 5_{05}$	17436.73	-0.08
$3_{12} \leftarrow 4_{04}$	17439.27	-0.09
$2_{11} \leftarrow 3_{03}$	17441.71	-0.09
$1_{10} \leftarrow 2_{02}$	17444.04	-0.10
$5_{15} \leftarrow 5_{05}$	17445.55	-0.08
$4_{14} \leftarrow 4_{04}$	17446.50	-0.05
$3_{13} \leftarrow 3_{03}$	17447.25	-0.06
$2_{12} \leftarrow 2_{02}$	17447.82	-0.07
$1_{11} \leftarrow 1_{01}$	17448.18	-0.09
$1_{10} \leftarrow 0_{00}$	17450.36	-0.08
$2_{11} \leftarrow 1_{01}$	17452.25	-0.03
$3_{12} \leftarrow 2_{02}$	17453.99	-0.04
$4_{13} \leftarrow 3_{03}$	17455.65	0.01
$5_{14} \leftarrow 4_{04}$	17457.17	0.01
$6_{15} \leftarrow 5_{05}$	17458.57	0.00
$7_{16} \leftarrow 6_{06}$	17459.87	-0.02
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$2_{20} \leftarrow 1_{10}$	17485.18	0.11
$2_{21} \leftarrow 1_{11}$	17485.21	0.05
$3_{21} \leftarrow 2_{11}$	17486.57	0.04
$3_{22} \leftarrow 2_{12}$	17486.97	0.02
2_1^2		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$3_{03} \leftarrow 4_{13}$	17786.08	0.00
$2_{02} \leftarrow 3_{12}$	17788.93	0.05
$1_{01} \leftarrow 2_{11}$	17791.50	0.03
$0_{00} \leftarrow 1_{10}$	17793.88	0.03
$2_{02} \leftarrow 1_{10}$	17799.79	0.02
$3_{03} \leftarrow 2_{11}$	17801.25	-0.02
$4_{04} \leftarrow 3_{12}$	17802.60	0.00
$5_{05} \leftarrow 4_{13}$	17803.60	-0.10

$6_{06} \leftarrow 5_{14}$	17804.61	0.03
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$5_{14} \leftarrow 6_{06}$	17807.76	-0.02
$4_{13} \leftarrow 5_{05}$	17810.43	-0.02
$3_{12} \leftarrow 4_{04}$	17813.14	0.14
$2_{11} \leftarrow 3_{03}$	17815.44	0.01
$1_{10} \leftarrow 2_{02}$	17817.73	-0.02
$1_{10} \leftarrow 0_{00}$	17824.01	-0.03
$2_{11} \leftarrow 1_{01}$	17825.91	-0.01
$3_{12} \leftarrow 2_{02}$	17827.75	0.06
$4_{13} \leftarrow 3_{03}$	17829.28	-0.07
$5_{14} \leftarrow 4_{04}$	17830.80	-0.09
$6_{15} \leftarrow 5_{05}$	17832.37	0.05
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$2_{20} \leftarrow 1_{10}$	17869.27	0.00
$2_{21} \leftarrow 1_{11}$	17869.40	-0.01
$3_{21} \leftarrow 2_{11}$	17870.83	0.02
$3_{22} \leftarrow 2_{12}$	17871.19	-0.04
2_0^1 $K_a' = 1 \leftarrow K_a'' = 2$ subband		
$3_{13} \leftarrow 4_{23}$	18059.92	-0.07
$3_{12} \leftarrow 4_{22}$	18060.35	-0.07
$2_{12} \leftarrow 3_{22}$	18062.70	0.04
$2_{11} \leftarrow 3_{21}$	18062.70	-0.18
$1_{11} \leftarrow 2_{21}$	18065.16	0.01
$1_{10} \leftarrow 2_{20}$	18065.16	-0.06
$5_{15} \leftarrow 5_{23}$	18066.69	0.02
$4_{13} \leftarrow 4_{23}$	18068.44	0.02
$2_{11} \leftarrow 2_{21}$	18069.24	0.02
$5_{14} \leftarrow 4_{22}$	18078.33	-0.05
$6_{15} \leftarrow 5_{23}$	18079.81	0.04
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	18057.68	0.01
$5_{05} \leftarrow 6_{15}$	18061.05	-0.08
$4_{04} \leftarrow 5_{14}$	18064.35	-0.03
$3_{03} \leftarrow 4_{13}$	18067.45	0.03
$2_{02} \leftarrow 3_{12}$	18070.25	0.01
$1_{01} \leftarrow 2_{11}$	18072.85	0.00
$0_{00} \leftarrow 1_{10}$	18075.23	-0.01
$5_{05} \leftarrow 5_{15}$	18076.11	-0.01
$4_{04} \leftarrow 4_{14}$	18076.60	0.05
$3_{03} \leftarrow 3_{13}$	18076.87	-0.02
$2_{02} \leftarrow 2_{12}$	18077.17	0.02
$2_{02} \leftarrow 1_{10}$	18081.10	-0.01
$3_{03} \leftarrow 2_{11}$	18082.61	-0.02
$4_{04} \leftarrow 3_{12}$	18083.94	0.00
$5_{05} \leftarrow 4_{13}$	18085.01	-0.02
$6_{06} \leftarrow 5_{14}$	18085.88	-0.02
$8_{08} \leftarrow 7_{16}$	18087.08	0.07
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$5_{14} \leftarrow 6_{06}$	18086.39	0.00
$4_{13} \leftarrow 5_{05}$	18089.00	-0.01
$3_{12} \leftarrow 4_{04}$	18091.55	0.01
$2_{11} \leftarrow 3_{03}$	18093.96	-0.02
$7_{17} \leftarrow 7_{07}$	18095.58	0.04
$1_{10} \leftarrow 2_{02}$	18096.31	0.00
$6_{16} \leftarrow 6_{06}$	18096.79	0.02
$5_{15} \leftarrow 5_{05}$	18097.87	0.02
$4_{14} \leftarrow 4_{04}$	18098.79	0.02
$3_{13} \leftarrow 3_{03}$	18099.53	0.02
$2_{12} \leftarrow 2_{02}$	18100.08	0.01
$1_{11} \leftarrow 1_{01}$	18100.49	0.04
$1_{10} \leftarrow 0_{00}$	18102.62	-0.01
$2_{11} \leftarrow 1_{01}$	18104.50	-0.01
$3_{12} \leftarrow 2_{02}$	18106.28	0.00

$4_{13} \leftarrow 3_{03}$	18107.98	0.05
$5_{14} \leftarrow 4_{04}$	18109.53	0.04
$6_{15} \leftarrow 5_{05}$	18110.99	0.04
$7_{16} \leftarrow 6_{06}$	18112.35	0.04
$8_{17} \leftarrow 7_{07}$	18113.61	0.01
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$6_{25} \leftarrow 7_{17}$	18122.32	-0.07
$5_{23} \leftarrow 6_{15}$	18122.32	0.11
$5_{24} \leftarrow 6_{16}$	18124.84	-0.10
$4_{22} \leftarrow 5_{14}$	18125.54	0.09
$4_{23} \leftarrow 5_{15}$	18127.52	0.12
$3_{21} \leftarrow 4_{13}$	18128.50	0.02
$3_{22} \leftarrow 4_{14}$	18129.79	0.00
$2_{21} \leftarrow 3_{13}$	18132.49	0.03
$4_{23} \leftarrow 4_{13}$	18136.43	0.12
$3_{22} \leftarrow 3_{12}$	18137.18	0.00
$2_{20} \leftarrow 2_{12}$	18138.20	-0.02
$3_{21} \leftarrow 2_{11}$	18143.63	-0.07
$3_{22} \leftarrow 2_{12}$	18144.17	0.07
$4_{22} \leftarrow 3_{12}$	18144.91	-0.11
$5_{23} \leftarrow 4_{13}$	18146.09	-0.03
$6_{24} \leftarrow 5_{14}$	18146.97	-0.03
$5_{24} \leftarrow 4_{14}$	18147.46	0.05
$8_{26} \leftarrow 7_{16}$	18148.05	-0.12
$7_{26} \leftarrow 6_{16}$	18150.39	0.00
$8_{27} \leftarrow 7_{17}$	18151.69	-0.08
$1_1^1 2_0^1$		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$2_{02} \leftarrow 1_{10}$	18207.84	0.19
$3_{03} \leftarrow 2_{11}$	18209.34	0.11
$4_{04} \leftarrow 3_{12}$	18210.66	0.06
$5_{05} \leftarrow 4_{13}$	18211.70	-0.07
$6_{06} \leftarrow 5_{14}$	18212.71	-0.03
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$4_{13} \leftarrow 5_{05}$	18215.10	0.00
$3_{12} \leftarrow 4_{04}$	18217.68	0.00
$1_{10} \leftarrow 0_{00}$	18228.78	-0.01
$2_{11} \leftarrow 1_{01}$	18230.64	-0.02
$3_{12} \leftarrow 2_{02}$	18232.38	-0.02
$4_{13} \leftarrow 3_{03}$	18234.04	0.01
$5_{14} \leftarrow 4_{04}$	18235.51	-0.01
$6_{15} \leftarrow 5_{05}$	18236.91	0.00
$7_{16} \leftarrow 6_{06}$	18238.23	0.05
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$2_{20} \leftarrow 1_{10}$	18267.73	0.01
$2_{21} \leftarrow 1_{11}$	18267.89	-0.06
$3_{21} \leftarrow 2_{11}$	18269.23	-0.07
$3_{22} \leftarrow 2_{12}$	18269.65	-0.15
3_0^1		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$4_{14} \leftarrow 5_{24}$	18522.66	0.01
$4_{13} \leftarrow 5_{23}$	18523.28	-0.03
$3_{13} \leftarrow 4_{23}$	18525.58	-0.01
$3_{12} \leftarrow 4_{22}$	18525.96	-0.03
$2_{12} \leftarrow 3_{22}$	18528.32	0.00
$2_{11} \leftarrow 3_{21}$	18528.52	0.00
$1_{11} \leftarrow 2_{21}$	18530.89	0.05
$5_{14} \leftarrow 5_{24}$	18533.21	-0.02
$3_{13} \leftarrow 3_{21}$	18533.98	-0.03
$2_{12} \leftarrow 2_{20}$	18534.61	-0.03
$2_{11} \leftarrow 2_{21}$	18534.86	0.00
$3_{12} \leftarrow 2_{20}$	18540.80	0.02
$4_{14} \leftarrow 3_{22}$	18541.59	-0.04
$K_a' = 0 \leftarrow K_a'' = 1$ subband		

$6_{06} \leftarrow 7_{16}$	18524.31	-0.03
$5_{05} \leftarrow 6_{15}$	18527.90	-0.01
$4_{04} \leftarrow 5_{14}$	18531.25	-0.02
$3_{03} \leftarrow 4_{13}$	18534.36	-0.03
$2_{02} \leftarrow 3_{12}$	18537.25	-0.02
$1_{01} \leftarrow 2_{11}$	18539.93	0.01
$0_{00} \leftarrow 1_{10}$	18542.36	0.03
$5_{05} \leftarrow 5_{15}$	18542.96	0.06
$4_{04} \leftarrow 4_{14}$	18543.49	0.06
$3_{03} \leftarrow 3_{13}$	18543.90	0.04
$2_{02} \leftarrow 2_{12}$	18544.21	0.03
$1_{01} \leftarrow 1_{11}$	18544.41	0.02
$2_{02} \leftarrow 1_{10}$	18548.13	-0.01
$3_{03} \leftarrow 2_{11}$	18549.58	-0.02
$4_{04} \leftarrow 3_{12}$	18550.79	-0.04
$5_{05} \leftarrow 4_{13}$	18551.76	-0.05
$6_{06} \leftarrow 5_{14}$	18552.55	-0.02
$7_{07} \leftarrow 6_{15}$	18553.05	-0.02
$8_{08} \leftarrow 7_{16}$	18553.37	0.02
<i>$K_a' = 1 \leftarrow K_a'' = 0$ subband</i>		
$4_{13} \leftarrow 5_{05}$	18554.49	0.00
$3_{12} \leftarrow 4_{04}$	18557.13	0.02
$2_{11} \leftarrow 3_{03}$	18559.59	-0.03
$7_{17} \leftarrow 7_{07}$	18560.77	0.05
$1_{10} \leftarrow 2_{02}$	18561.95	-0.04
$5_{15} \leftarrow 5_{05}$	18563.30	0.02
$4_{14} \leftarrow 4_{04}$	18564.29	0.01
$3_{13} \leftarrow 3_{03}$	18565.10	-0.01
$2_{12} \leftarrow 2_{02}$	18565.72	-0.01
$1_{11} \leftarrow 1_{01}$	18566.12	-0.02
$1_{10} \leftarrow 0_{00}$	18568.33	0.01
$2_{11} \leftarrow 1_{01}$	18570.18	0.02
$3_{12} \leftarrow 2_{02}$	18571.88	0.02
$4_{13} \leftarrow 3_{03}$	18573.45	0.02
$5_{14} \leftarrow 4_{04}$	18574.88	0.01
$6_{15} \leftarrow 5_{05}$	18576.21	0.01
$7_{16} \leftarrow 6_{06}$	18577.42	0.02
$8_{17} \leftarrow 7_{07}$	18578.54	0.04
$9_{18} \leftarrow 8_{08}$	18579.51	-0.01
<i>$K_a' = 2 \leftarrow K_a'' = 1$ subband</i>		
$7_{26} \leftarrow 8_{18}$	18581.42	-0.06
$5_{23} \leftarrow 6_{15}$	18584.18	0.00
$5_{24} \leftarrow 6_{16}$	18586.89	-0.02
$4_{22} \leftarrow 5_{14}$	18587.52	-0.01
$4_{23} \leftarrow 5_{15}$	18589.48	0.01
$3_{21} \leftarrow 4_{13}$	18590.68	0.02
$3_{22} \leftarrow 4_{14}$	18591.96	0.02
$8_{27} \leftarrow 8_{17}$	18592.33	0.03
$2_{20} \leftarrow 3_{12}$	18593.55	0.03
$2_{21} \leftarrow 3_{13}$	18594.32	0.01
$6_{25} \leftarrow 6_{15}$	18595.90	0.10
$5_{24} \leftarrow 5_{14}$	18597.27	0.06
$4_{23} \leftarrow 4_{13}$	18598.46	0.07
$3_{22} \leftarrow 3_{12}$	18599.36	0.02
$4_{24} \leftarrow 4_{14}$	18599.78	0.09
$3_{21} \leftarrow 3_{13}$	18600.12	0.00
$2_{21} \leftarrow 2_{11}$	18600.12	0.07
$2_{20} \leftarrow 2_{12}$	18600.48	0.04
$2_{20} \leftarrow 1_{10}$	18604.44	0.04
$2_{21} \leftarrow 1_{11}$	18604.44	-0.09
$3_{22} \leftarrow 2_{12}$	18606.21	-0.04
$3_{21} \leftarrow 2_{11}$	18606.83	-0.03
$4_{22} \leftarrow 3_{12}$	18607.06	-0.03
$4_{23} \leftarrow 3_{13}$	18607.81	-0.06
$5_{23} \leftarrow 4_{13}$	18608.03	-0.06
$6_{24} \leftarrow 5_{14}$	18609.34	-0.04

$5_{24} \leftarrow 4_{14}$	18608.81	-0.04
$8_{26} \leftarrow 7_{16}$	18609.73	0.02
$6_{25} \leftarrow 5_{15}$	18610.76	-0.03
$7_{26} \leftarrow 6_{16}$	18612.10	0.00
$8_{27} \leftarrow 7_{17}$	18613.40	0.10
$9_{28} \leftarrow 8_{18}$	18614.41	0.00
2_0^2		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$4_{14} \leftarrow 5_{24}$	18838.59	-0.10
$4_{13} \leftarrow 5_{23}$	18839.13	-0.12
$3_{13} \leftarrow 4_{23}$	18841.44	-0.08
$3_{12} \leftarrow 4_{22}$	18841.89	0.02
$2_{12} \leftarrow 3_{22}$	18844.27	0.09
$2_{11} \leftarrow 3_{21}$	18844.27	-0.08
$1_{11} \leftarrow 2_{21}$	18846.66	0.01
$1_{10} \leftarrow 2_{20}$	18846.66	-0.05
$4_{13} \leftarrow 4_{23}$	18849.91	0.06
$3_{13} \leftarrow 3_{21}$	18849.91	-0.05
$2_{12} \leftarrow 2_{20}$	18850.60	0.1
$2_{11} \leftarrow 2_{21}$	18850.60	-0.09
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	18839.95	-0.07
$4_{04} \leftarrow 5_{14}$	18843.23	-0.03
$3_{03} \leftarrow 4_{13}$	18846.30	0.00
$2_{02} \leftarrow 3_{12}$	18849.13	0.01
$1_{01} \leftarrow 2_{11}$	18851.74	0.02
$0_{00} \leftarrow 1_{10}$	18854.10	-0.01
$2_{02} \leftarrow 1_{10}$	18859.99	0.00
$3_{03} \leftarrow 2_{11}$	18861.53	0.02
$4_{04} \leftarrow 3_{12}$	18862.81	-0.02
$5_{05} \leftarrow 4_{13}$	18863.96	0.04
$6_{06} \leftarrow 5_{14}$	18864.84	0.05
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$5_{14} \leftarrow 6_{06}$	18867.81	0.03
$4_{13} \leftarrow 5_{05}$	18870.42	-0.01
$2_{11} \leftarrow 3_{03}$	18093.96	0.09
$1_{10} \leftarrow 2_{02}$	18877.81	0.03
$6_{16} \leftarrow 6_{06}$	18878.44	0.03
$5_{15} \leftarrow 5_{05}$	18879.54	0.09
$4_{14} \leftarrow 4_{04}$	18880.38	0.05
$3_{13} \leftarrow 3_{03}$	18881.05	0.02
$1_{10} \leftarrow 0_{00}$	18884.07	-0.04
$2_{11} \leftarrow 1_{01}$	18885.98	0.00
$3_{12} \leftarrow 2_{02}$	18887.74	0.02
$4_{13} \leftarrow 3_{03}$	18889.32	-0.04
$5_{14} \leftarrow 4_{04}$	18890.86	-0.02
$6_{15} \leftarrow 5_{05}$	18892.31	0.02
$7_{16} \leftarrow 6_{06}$	18893.63	0.02
$8_{17} \leftarrow 7_{07}$	18894.90	0.05
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$4_{22} \leftarrow 5_{14}$	18912.74	-0.07
$4_{23} \leftarrow 5_{15}$	18914.71	-0.05
$3_{21} \leftarrow 4_{13}$	18915.83	-0.02
$3_{22} \leftarrow 4_{14}$	18917.12	-0.03
$2_{20} \leftarrow 3_{12}$	18918.67	0.01
$2_{21} \leftarrow 3_{13}$	18919.45	0.00
$6_{25} \leftarrow 6_{15}$	18921.31	-0.01
$5_{24} \leftarrow 5_{14}$	18922.56	-0.05
$4_{23} \leftarrow 4_{13}$	18923.65	-0.03
$5_{23} \leftarrow 5_{15}$	18924.52	-0.04
$3_{22} \leftarrow 3_{12}$	18924.52	-0.02
$3_{21} \leftarrow 3_{13}$	18925.27	-0.05
$2_{21} \leftarrow 2_{11}$	18925.27	0.09

$2_{20} \leftarrow 1_{10}$	18929.65	0.12
$2_{21} \leftarrow 1_{11}$	18929.65	-0.01
$3_{21} \leftarrow 2_{11}$	18931.15	0.09
$3_{22} \leftarrow 2_{12}$	18931.51	0.06
$4_{22} \leftarrow 3_{12}$	18932.38	0.01
$4_{23} \leftarrow 3_{13}$	18933.24	0.09
$6_{24} \leftarrow 5_{14}$	18934.34	-0.02
$5_{24} \leftarrow 4_{14}$	18934.73	-0.04
$6_{25} \leftarrow 5_{15}$	18936.28	-0.02
$2_0^1 3_0^1$		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$3_{12} \leftarrow 4_{22}$	19298.39	0.01
$2_{12} \leftarrow 3_{22}$	19300.76	0.04
$3_{12} \leftarrow 3_{22}$	19306.75	-0.08
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$4_{04} \leftarrow 5_{14}$	19302.35	-0.04
$3_{03} \leftarrow 4_{13}$	19305.51	0.02
$2_{02} \leftarrow 3_{12}$	19308.34	-0.02
$1_{01} \leftarrow 2_{11}$	19310.98	-0.02
$0_{00} \leftarrow 1_{10}$	19313.40	-0.01
$5_{05} \leftarrow 5_{15}$	19314.03	-0.01
$4_{04} \leftarrow 4_{14}$	19314.57	0.01
$3_{03} \leftarrow 3_{13}$	19314.99	0.03
$2_{02} \leftarrow 2_{12}$	19315.30	0.02
$2_{02} \leftarrow 1_{10}$	19319.28	0.05
$3_{03} \leftarrow 2_{11}$	19320.76	0.06
$4_{04} \leftarrow 3_{12}$	19321.95	0.00
$5_{05} \leftarrow 4_{13}$	19322.99	0.04
$6_{06} \leftarrow 5_{14}$	19323.69	-0.04
$7_{07} \leftarrow 6_{15}$	19324.18	-0.10
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$4_{13} \leftarrow 5_{05}$	19326.90	0.03
$3_{12} \leftarrow 4_{04}$	19329.51	0.02
$2_{11} \leftarrow 3_{03}$	19332.03	0.04
$1_{10} \leftarrow 2_{02}$	19334.43	0.07
$5_{15} \leftarrow 5_{05}$	19335.81	0.05
$4_{14} \leftarrow 4_{04}$	19336.71	-0.03
$3_{13} \leftarrow 3_{03}$	19337.50	-0.02
$2_{12} \leftarrow 2_{02}$	19338.10	-0.02
$1_{11} \leftarrow 1_{01}$	19338.48	-0.03
$1_{10} \leftarrow 0_{00}$	19340.69	0.00
$2_{11} \leftarrow 1_{01}$	19342.49	-0.03
$3_{12} \leftarrow 2_{02}$	19344.18	-0.05
$4_{13} \leftarrow 3_{03}$	19345.76	-0.04
$5_{14} \leftarrow 4_{04}$	19347.24	-0.01
$6_{15} \leftarrow 5_{05}$	19347.57	0.00
$7_{16} \leftarrow 6_{06}$	19349.82	0.03
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$2_{20} \leftarrow 3_{12}$	19368.94	-0.03
$2_{21} \leftarrow 3_{13}$	19369.70	-0.05
$5_{24} \leftarrow 5_{14}$	19372.67	-0.04
$5_{23} \leftarrow 5_{15}$	19374.68	0.02
$4_{23} \leftarrow 4_{13}$	19373.86	0.00
$4_{22} \leftarrow 4_{14}$	19375.17	0.00
$2_{21} \leftarrow 2_{11}$	19375.46	-0.04
$2_{20} \leftarrow 2_{12}$	19375.84	-0.04
$2_{20} \leftarrow 1_{10}$	19379.90	0.06
$2_{21} \leftarrow 1_{11}$	19379.90	-0.07
$3_{21} \leftarrow 2_{11}$	19381.42	0.10
$3_{22} \leftarrow 2_{12}$	19381.61	-0.10
$4_{22} \leftarrow 3_{12}$	19382.58	0.02
$4_{23} \leftarrow 3_{13}$	19383.38	0.04
$5_{23} \leftarrow 4_{13}$	19383.60	0.02
$6_{24} \leftarrow 5_{14}$	19384.42	0.05
$5_{24} \leftarrow 4_{14}$	19384.95	0.08

$6_{25} \leftarrow 5_{15}$	19386.30	0.00
2_0^3		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$3_{13} \leftarrow 4_{23}$	19612.20	-0.14
$2_{12} \leftarrow 3_{12}$	19615.07	0.03
$1_{11} \leftarrow 2_{21}$	19617.47	-0.07
$1_{10} \leftarrow 2_{20}$	19617.47	-0.15
$4_{14} \leftarrow 3_{22}$	19628.45	0.03
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	19606.23	-0.08
$5_{05} \leftarrow 6_{15}$	19609.71	-0.07
$4_{04} \leftarrow 5_{14}$	19612.90	-0.12
$3_{03} \leftarrow 4_{13}$	19616.01	-0.05
$2_{02} \leftarrow 3_{12}$	19618.84	-0.04
$1_{01} \leftarrow 2_{11}$	19621.43	-0.06
$0_{00} \leftarrow 1_{10}$	19623.88	0.00
$6_{06} \leftarrow 6_{16}$	19624.31	0.06
$4_{04} \leftarrow 4_{14}$	19625.22	0.03
$2_{02} \leftarrow 1_{10}$	19629.83	0.09
$3_{03} \leftarrow 2_{11}$	19631.46	0.19
$5_{05} \leftarrow 4_{13}$	19633.71	0.04
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$5_{14} \leftarrow 6_{06}$	19638.92	0.03
$4_{13} \leftarrow 5_{05}$	19641.52	0.05
$3_{12} \leftarrow 4_{04}$	19643.94	-0.03
$2_{11} \leftarrow 3_{03}$	19646.39	0.01
$1_{10} \leftarrow 2_{02}$	19648.70	0.01
$6_{16} \leftarrow 6_{06}$	19648.87	-0.12
$5_{15} \leftarrow 5_{05}$	19650.26	0.13
$4_{14} \leftarrow 4_{04}$	19652.54	0.07
$3_{13} \leftarrow 3_{03}$	19651.94	0.09
$2_{12} \leftarrow 2_{02}$	19652.41	-0.02
$1_{11} \leftarrow 1_{01}$	19652.82	-0.01
$1_{10} \leftarrow 0_{00}$	19655.05	0.03
$2_{11} \leftarrow 1_{01}$	19656.94	0.02
$3_{12} \leftarrow 2_{02}$	19658.73	0.02
$4_{13} \leftarrow 3_{03}$	19660.42	0.02
$5_{14} \leftarrow 4_{04}$	19662.01	0.01
$6_{15} \leftarrow 5_{05}$	19663.50	0.00
$7_{16} \leftarrow 6_{06}$	19664.90	-0.02
$8_{17} \leftarrow 7_{07}$	19666.30	0.03
$10_{1,10} \leftarrow 9_{09}$	19668.75	-0.03
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$6_{24} \leftarrow 7_{16}$	19681.68	-0.12
$5_{23} \leftarrow 6_{15}$	19685.12	-0.13
$4_{22} \leftarrow 5_{14}$	19688.54	0.06
$4_{23} \leftarrow 5_{15}$	19690.34	-0.09
$3_{21} \leftarrow 4_{13}$	19691.55	0.04
$3_{22} \leftarrow 4_{14}$	19692.80	-0.01
$2_{20} \leftarrow 3_{12}$	19694.38	0.06
$2_{21} \leftarrow 3_{13}$	19695.15	0.05
$5_{24} \leftarrow 5_{14}$	19698.17	-0.12
$4_{23} \leftarrow 4_{13}$	19699.29	-0.05
$3_{22} \leftarrow 3_{12}$	19700.11	-0.09
$3_{21} \leftarrow 3_{13}$	19700.96	-0.02
$2_{20} \leftarrow 1_{10}$	19705.25	0.05
$2_{21} \leftarrow 1_{11}$	19705.25	-0.08
$3_{21} \leftarrow 2_{11}$	19706.84	0.11
$3_{22} \leftarrow 2_{12}$	19707.10	-0.02
$4_{22} \leftarrow 3_{12}$	19708.22	0.18
$4_{23} \leftarrow 3_{13}$	19708.87	0.05
$9_{27} \leftarrow 8_{17}$	19711.61	0.09

$7_{26} \leftarrow 6_{16}$	19716.10	0.02
$2_0^2 3_0^1$		
$K_a' = 2 \leftarrow K_a'' = 3$ subband		
$2_{20} \leftarrow 3_{30}$	20078.26	-0.07
$2_{21} \leftarrow 3_{31}$	20078.26	-0.07
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$2_{12} \leftarrow 3_{22}$	20065.77	-0.05
$2_{11} \leftarrow 3_{21}$	20065.77	-0.05
$5_{15} \leftarrow 5_{23}$	20070.39	-0.04
$5_{14} \leftarrow 5_{24}$	20070.39	-0.01
$4_{14} \leftarrow 4_{22}$	20071.21	0.1
$4_{13} \leftarrow 4_{23}$	20071.21	0.08
$3_{13} \leftarrow 3_{21}$	20071.58	-0.13
$3_{12} \leftarrow 3_{22}$	20071.58	-0.14
$2_{12} \leftarrow 2_{20}$	20072.12	-0.03
$2_{11} \leftarrow 2_{21}$	20072.12	-0.03
$3_{12} \leftarrow 2_{20}$	20078.03	-0.01
$3_{13} \leftarrow 2_{21}$	20078.03	-0.01
$4_{13} \leftarrow 3_{21}$	20079.66	0.10
$4_{14} \leftarrow 3_{22}$	20079.66	0.09
$5_{14} \leftarrow 4_{22}$	20080.97	0.04
$5_{15} \leftarrow 4_{23}$	20080.97	0.01
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	20062.50	-0.03
$4_{04} \leftarrow 5_{14}$	20065.77	0.03
$3_{03} \leftarrow 4_{13}$	20068.79	0.04
$2_{02} \leftarrow 3_{12}$	20071.58	0.02
$1_{01} \leftarrow 2_{11}$	20074.14	-0.02
$0_{00} \leftarrow 1_{10}$	20076.67	0.73
$4_{04} \leftarrow 4_{14}$	20078.03	0.12
$3_{03} \leftarrow 3_{13}$	20078.26	0.03
$2_{02} \leftarrow 2_{12}$	20078.55	0.07
$1_{01} \leftarrow 1_{11}$	20078.55	-0.09
$2_{02} \leftarrow 1_{10}$	20082.40	-0.04
$3_{03} \leftarrow 2_{11}$	20083.94	-0.04
$4_{04} \leftarrow 3_{12}$	20085.27	-0.04
$5_{05} \leftarrow 4_{13}$	20086.40	-0.03
$6_{06} \leftarrow 5_{14}$	20087.34	-0.01
$7_{07} \leftarrow 6_{15}$	20087.98	-0.09
$8_{08} \leftarrow 7_{16}$	20088.54	-0.06
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$7_{16} \leftarrow 6_{06}$	20114.47	0.01
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$2_{20} \leftarrow 3_{12}$	20140.14	0.09
$6_{25} \leftarrow 6_{15}$	20142.91	0.11
$5_{23} \leftarrow 5_{15}$	20145.94	-0.06
$4_{23} \leftarrow 4_{13}$	20145.02	-0.08
$4_{22} \leftarrow 4_{14}$	20146.35	-0.05
$3_{22} \leftarrow 3_{12}$	20145.94	-0.01
$3_{21} \leftarrow 3_{13}$	20146.70	-0.02
$2_{20} \leftarrow 2_{12}$	20147.04	0.08
$2_{20} \leftarrow 1_{10}$	20151.02	0.09
$2_{21} \leftarrow 1_{11}$	20151.02	-0.04
$3_{21} \leftarrow 2_{11}$	20152.45	-0.02
$3_{22} \leftarrow 2_{12}$	20152.82	-0.04
$6_{24} \leftarrow 5_{14}$	20155.94	0.21
$6_{25} \leftarrow 5_{15}$	20157.77	-0.01
$9_{27} \leftarrow 8_{17}$	20157.28	-0.02
$1_0^1 2_0^1$		
$K_a' = 2 \leftarrow K_a'' = 3$ subband		
$3_{12} \leftarrow 3_{22}$	20161.49	0.00
$3_{13} \leftarrow 3_{21}$	20161.49	0.00
$K_a' = 1 \leftarrow K_a'' = 2$ subband		

$5_{15} \leftarrow 5_{23}$	20160.32	-0.01
$5_{14} \leftarrow 5_{24}$	20160.32	-0.04
$4_{13} \leftarrow 4_{23}$	20160.90	-0.08
$4_{14} \leftarrow 4_{22}$	20160.90	-0.07
$3_{13} \leftarrow 3_{21}$	20161.49	0.00
$3_{12} \leftarrow 3_{22}$	20161.49	0.00
$2_{12} \leftarrow 2_{20}$	20161.75	-0.12
$2_{11} \leftarrow 2_{21}$	20161.75	-0.12
$3_{12} \leftarrow 2_{20}$	20167.67	-0.13
$3_{13} \leftarrow 2_{21}$	20167.67	-0.14
$4_{13} \leftarrow 3_{21}$	20169.43	0.03
$4_{14} \leftarrow 3_{22}$	20169.43	0.00
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$3_{03} \leftarrow 4_{13}$	20160.32	-0.07
$2_{02} \leftarrow 3_{12}$	20163.19	0.06
$1_{01} \leftarrow 2_{11}$	20165.81	0.13
$0_{00} \leftarrow 1_{10}$	20168.19	0.14
$9_{09} \leftarrow 9_{19}$	20167.67	0.00
$8_{08} \leftarrow 8_{18}$	20168.19	0.04
$6_{06} \leftarrow 6_{16}$	20168.94	-0.05
$5_{05} \leftarrow 5_{15}$	20169.43	0.10
$3_{03} \leftarrow 3_{13}$	20169.81	-0.05
$2_{02} \leftarrow 2_{12}$	20170.10	0.06
$1_{01} \leftarrow 1_{11}$	20170.10	-0.07
$2_{02} \leftarrow 1_{10}$	20174.09	0.09
$3_{03} \leftarrow 2_{11}$	20175.60	0.00
$4_{04} \leftarrow 3_{12}$	20176.85	-0.17
$6_{06} \leftarrow 5_{14}$	20179.30	0.02
$8_{08} \leftarrow 7_{16}$	20180.69	-0.15
$9_{09} \leftarrow 8_{17}$	20181.27	-0.08
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$5_{14} \leftarrow 6_{06}$	20178.75	-0.12
$4_{13} \leftarrow 5_{05}$	20181.54	-0.01
$3_{12} \leftarrow 4_{04}$	20184.13	-0.01
$2_{11} \leftarrow 3_{03}$	20186.62	0.01
$1_{10} \leftarrow 2_{02}$	20188.99	0.02
$8_{18} \leftarrow 8_{08}$	20189.24	0.08
$5_{15} \leftarrow 5_{05}$	20191.60	0.11
$4_{14} \leftarrow 4_{04}$	20192.11	0.02
$3_{13} \leftarrow 3_{03}$	20192.71	0.14
$2_{12} \leftarrow 2_{02}$	20193.09	0.15
$1_{11} \leftarrow 1_{01}$	20193.09	-0.10
$1_{10} \leftarrow 0_{00}$	20195.27	-0.03
$2_{11} \leftarrow 1_{01}$	20197.15	-0.01
$3_{12} \leftarrow 2_{02}$	20198.89	0.00
$4_{13} \leftarrow 3_{03}$	20200.53	0.04
$5_{14} \leftarrow 4_{04}$	20202.06	0.07
$6_{15} \leftarrow 5_{05}$	20203.47	0.10
$7_{16} \leftarrow 6_{06}$	20204.78	0.14
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$5_{24} \leftarrow 6_{16}$	20217.29	0.13
$3_{21} \leftarrow 4_{13}$	20220.37	-0.09
$3_{22} \leftarrow 4_{14}$	20221.66	-0.11
$2_{20} \leftarrow 3_{12}$	20223.21	0.00
$2_{21} \leftarrow 3_{13}$	20224.00	0.10
$8_{26} \leftarrow 8_{18}$	20228.23	0.07
$7_{25} \leftarrow 7_{17}$	20228.56	0.16
$6_{24} \leftarrow 6_{16}$	20229.11	0.07
$5_{23} \leftarrow 5_{15}$	20229.54	0.14
$4_{23} \leftarrow 4_{13}$	20228.56	0.16
$4_{22} \leftarrow 4_{14}$	20229.85	0.14
$3_{22} \leftarrow 3_{12}$	20229.11	-0.06
$3_{21} \leftarrow 3_{13}$	20229.85	-0.10
$2_{21} \leftarrow 2_{11}$	20229.77	0.03
$2_{20} \leftarrow 2_{12}$	20230.20	0.07

$2_{20} \leftarrow 1_{10}$	20234.18	0.09
$2_{21} \leftarrow 1_{11}$	20234.18	-0.04
$3_{21} \leftarrow 2_{11}$	20235.67	-0.02
$3_{22} \leftarrow 2_{12}$	20236.05	-0.03
$4_{22} \leftarrow 3_{12}$	20236.97	-0.13
$4_{23} \leftarrow 3_{13}$	20237.75	-0.13
$6_{24} \leftarrow 5_{14}$	20239.34	0.00
$7_{25} \leftarrow 6_{15}$	20240.03	-0.15
$7_{26} \leftarrow 7_{16}$	20240.85	0.01
2_0^4		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$4_{14} \leftarrow 5_{24}$	20373.91	0.08
$4_{13} \leftarrow 5_{23}$	20374.25	-0.13
$3_{13} \leftarrow 4_{23}$	20376.54	-0.10
$3_{12} \leftarrow 4_{22}$	20376.95	-0.02
$4_{14} \leftarrow 3_{22}$	20392.78	-0.03
$4_{13} \leftarrow 3_{21}$	20393.36	-0.04
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	20370.31	0.09
$4_{04} \leftarrow 5_{14}$	20373.35	-0.07
$3_{03} \leftarrow 4_{13}$	20376.38	-0.05
$2_{02} \leftarrow 3_{12}$	20379.24	0.01
$1_{01} \leftarrow 2_{11}$	20381.85	0.02
$0_{00} \leftarrow 1_{10}$	20384.23	0.02
$6_{06} \leftarrow 6_{16}$	20384.61	-0.13
$5_{05} \leftarrow 5_{15}$	20385.16	-0.05
$4_{04} \leftarrow 4_{14}$	20385.58	-0.02
$3_{03} \leftarrow 3_{13}$	20385.93	0.03
$2_{02} \leftarrow 2_{12}$	20386.16	0.01
$1_{01} \leftarrow 1_{11}$	20386.32	0.01
$2_{02} \leftarrow 1_{10}$	20390.20	0.10
$3_{03} \leftarrow 2_{11}$	20391.71	0.06
$4_{04} \leftarrow 3_{12}$	20393.03	0.04
$5_{05} \leftarrow 4_{13}$	20394.12	0.01
$6_{06} \leftarrow 5_{14}$	20395.00	-0.03
$7_{07} \leftarrow 6_{15}$	20395.70	-0.05
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$4_{13} \leftarrow 5_{05}$	20405.60	0.05
$3_{12} \leftarrow 4_{04}$	20408.16	0.08
$6_{16} \leftarrow 6_{06}$	20413.67	0.03
$5_{15} \leftarrow 5_{05}$	20414.73	0.11
$2_{11} \leftarrow 3_{03}$	20416.16	0.10
$1_{10} \leftarrow 2_{02}$	20422.80	-0.03
$4_{13} \leftarrow 3_{03}$	20424.41	-0.08
$5_{14} \leftarrow 4_{04}$	20425.98	-0.07
$6_{15} \leftarrow 5_{05}$	20427.48	-0.03
$7_{16} \leftarrow 6_{06}$	20428.95	0.08
$8_{17} \leftarrow 7_{07}$	20430.26	0.10
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$5_{24} \leftarrow 6_{16}$	20460.19	0.00
$4_{22} \leftarrow 5_{14}$	20460.62	0.00
$3_{21} \leftarrow 4_{13}$	20463.79	0.13
$3_{22} \leftarrow 4_{14}$	20465.13	0.16
$2_{20} \leftarrow 3_{12}$	20466.44	-0.03
$2_{21} \leftarrow 3_{13}$	20467.19	-0.05
$5_{24} \leftarrow 5_{14}$	20470.50	0.02
$3_{22} \leftarrow 3_{12}$	20472.45	0.09
$2_{21} \leftarrow 2_{11}$	20472.93	-0.06
$3_{21} \leftarrow 3_{13}$	20473.25	0.11
$2_{20} \leftarrow 2_{12}$	20473.25	-0.13
$2_{20} \leftarrow 1_{10}$	20477.32	-0.02
$2_{21} \leftarrow 1_{11}$	20477.32	-0.15
$3_{21} \leftarrow 2_{11}$	20478.97	0.08

$3_{22} \leftarrow 2_{12}$	20479.32	0.05
$4_{22} \leftarrow 3_{12}$	20480.21	-0.02
$6_{24} \leftarrow 5_{14}$	20482.31	0.02
$5_{24} \leftarrow 4_{14}$	20482.57	-0.08
$6_{25} \leftarrow 5_{15}$	20484.15	-0.08
$2_0^3 3_0^1$ $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	20803.86	-0.02
$4_{04} \leftarrow 5_{14}$	20807.11	0.02
$3_{03} \leftarrow 4_{13}$	20810.09	-0.01
$2_{02} \leftarrow 3_{12}$	20812.89	-0.02
$1_{01} \leftarrow 2_{11}$	20815.50	0.00
$0_{00} \leftarrow 1_{10}$	20817.87	-0.03
$7_{07} \leftarrow 7_{17}$	20817.87	0.02
$4_{04} \leftarrow 4_{14}$	20819.36	0.10
$3_{03} \leftarrow 3_{13}$	20819.58	0.00
$2_{02} \leftarrow 2_{12}$	20819.89	0.06
$2_{02} \leftarrow 1_{10}$	20823.76	-0.02
$3_{03} \leftarrow 2_{11}$	20825.31	-0.01
$4_{04} \leftarrow 3_{12}$	20826.64	-0.01
$5_{05} \leftarrow 4_{13}$	20827.77	-0.01
$6_{06} \leftarrow 5_{14}$	20828.68	-0.01
$7_{07} \leftarrow 6_{15}$	20829.33	-0.07
$8_{08} \leftarrow 7_{16}$	20829.84	-0.07
$9_{09} \leftarrow 8_{17}$	20830.30	0.07
2_0^5 $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	21118.10	0.00
$5_{05} \leftarrow 6_{15}$	21121.52	-0.02
$4_{04} \leftarrow 5_{14}$	21124.76	-0.02
$3_{03} \leftarrow 4_{13}$	21127.80	-0.01
$2_{02} \leftarrow 3_{12}$	21130.64	0.01
$1_{01} \leftarrow 2_{11}$	21133.23	-0.02
$0_{00} \leftarrow 1_{10}$	21135.61	-0.02
$6_{06} \leftarrow 6_{16}$	21136.01	-0.03
$5_{05} \leftarrow 5_{15}$	21136.58	0.05
$4_{04} \leftarrow 4_{14}$	21136.95	0.00
$3_{03} \leftarrow 3_{13}$	21137.26	-0.04
$2_{02} \leftarrow 2_{12}$	21137.59	0.04
$2_{02} \leftarrow 1_{10}$	21141.52	0.01
$3_{03} \leftarrow 2_{11}$	21143.02	-0.01
$4_{04} \leftarrow 3_{12}$	21144.36	0.01
$5_{05} \leftarrow 4_{13}$	21145.44	0.00
$6_{06} \leftarrow 5_{14}$	21146.36	0.02
$7_{07} \leftarrow 6_{15}$	21147.05	0.02
$8_{08} \leftarrow 7_{16}$	21147.52	0.00
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$4_{13} \leftarrow 5_{05}$	21162.64	0.07
$3_{12} \leftarrow 4_{04}$	21165.18	-0.08
$2_{11} \leftarrow 3_{03}$	21167.77	-0.04
$1_{10} \leftarrow 2_{02}$	21170.26	0.03
$7_{17} \leftarrow 7_{07}$	21170.56	-0.04
$6_{16} \leftarrow 6_{06}$	21171.57	0.02
$4_{14} \leftarrow 4_{04}$	21173.15	0.04
$1_{11} \leftarrow 1_{01}$	21174.48	0.04
$1_{10} \leftarrow 0_{00}$	21176.60	0.05
$2_{11} \leftarrow 1_{01}$	21178.29	-0.06
$3_{12} \leftarrow 2_{02}$	21179.95	-0.06
$4_{13} \leftarrow 3_{03}$	21181.59	0.09
$5_{14} \leftarrow 4_{04}$	21182.81	-0.06

$1_0^1 2_0^3$		
$K_a' = 1 \leftarrow K_a'' = 2$ subband		
$3_{12} \leftarrow 4_{22}$	21681.07	-0.01
$3_{13} \leftarrow 4_{23}$	21681.07	-0.03
$2_{11} \leftarrow 3_{21}$	21683.70	0.02
$2_{12} \leftarrow 3_{22}$	21683.70	0.02
$1_{10} \leftarrow 2_{20}$	21686.07	-0.05
$1_{11} \leftarrow 2_{21}$	21686.07	-0.05
$3_{12} \leftarrow 3_{22}$	21689.56	0.02
$3_{13} \leftarrow 3_{21}$	21689.56	0.02
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	21677.73	0.00
$4_{04} \leftarrow 5_{14}$	21681.07	0.07
$3_{03} \leftarrow 4_{13}$	21684.13	0.06
$2_{02} \leftarrow 3_{12}$	21686.95	0.04
$1_{01} \leftarrow 2_{11}$	21689.56	0.02
$0_{00} \leftarrow 1_{10}$	21691.91	-0.02
$5_{05} \leftarrow 5_{15}$	21692.69	-0.02
$4_{04} \leftarrow 4_{14}$	21693.15	-0.03
$3_{03} \leftarrow 3_{13}$	21693.52	-0.03
$2_{02} \leftarrow 2_{12}$	21693.80	-0.02
$1_{01} \leftarrow 1_{11}$	21694.00	-0.02
$2_{02} \leftarrow 1_{10}$	21697.81	0.02
$3_{03} \leftarrow 2_{11}$	21699.30	0.01
$4_{04} \leftarrow 3_{12}$	21700.56	-0.01
$5_{05} \leftarrow 4_{13}$	21701.60	0.03
$6_{06} \leftarrow 5_{14}$	21702.45	-0.02
$K_a' = 1 \leftarrow K_a'' = 0$ subband		
$3_{12} \leftarrow 4_{04}$	21712.13	-0.07
$2_{11} \leftarrow 3_{03}$	21714.82	0.05
$1_{10} \leftarrow 2_{02}$	21717.13	-0.07
$6_{16} \leftarrow 6_{06}$	21718.31	-0.04
$4_{14} \leftarrow 4_{04}$	21719.97	-0.04
$3_{13} \leftarrow 3_{03}$	21720.73	0.11
$1_{11} \leftarrow 1_{01}$	21721.48	0.07
$1_{10} \leftarrow 0_{00}$	21723.44	-0.08
$2_{11} \leftarrow 1_{01}$	21725.36	0.05
$3_{12} \leftarrow 2_{02}$	21726.87	-0.08
$4_{13} \leftarrow 3_{03}$	21728.48	0.05
$5_{14} \leftarrow 4_{04}$	21729.85	0.09
2_0^6		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	21859.91	-0.05
$5_{05} \leftarrow 6_{15}$	21863.30	-0.01
$4_{04} \leftarrow 5_{14}$	21866.56	0.08
$3_{03} \leftarrow 4_{13}$	21869.56	0.11
$2_{02} \leftarrow 3_{12}$	21872.31	0.08
$1_{01} \leftarrow 2_{11}$	21874.87	0.06
$0_{00} \leftarrow 1_{10}$	21877.20	0.02
$3_{03} \leftarrow 3_{13}$	21878.82	-0.11
$2_{02} \leftarrow 2_{12}$	21879.19	0.05
$1_{01} \leftarrow 1_{11}$	21879.19	-0.09
$2_{02} \leftarrow 1_{10}$	21883.05	-0.05
$3_{03} \leftarrow 2_{11}$	21884.59	-0.08
$K_a' = 2 \leftarrow K_a'' = 1$ subband		
$4_{22} \leftarrow 5_{14}$	22012.52	-0.05
$3_{21} \leftarrow 4_{13}$	22015.52	-0.02
$3_{22} \leftarrow 4_{14}$	22016.78	-0.06
$2_{20} \leftarrow 3_{12}$	22018.33	0.01
$2_{21} \leftarrow 3_{13}$	22019.12	0.02
$7_{26} \leftarrow 7_{16}$	22019.90	0.05
$3_{22} \leftarrow 3_{12}$	22024.14	-0.09

$2_{21} \leftarrow 2_{11}$	22024.91	0.07
$2_{20} \leftarrow 2_{12}$	22025.26	0.03
$2_{20} \leftarrow 1_{10}$	22029.29	0.11
$2_{21} \leftarrow 1_{11}$	22029.29	-0.03
$3_{21} \leftarrow 2_{11}$	22030.73	-0.03
$3_{22} \leftarrow 2_{12}$	22031.08	-0.06
$4_{22} \leftarrow 3_{12}$	22032.13	0
$5_{23} \leftarrow 4_{13}$	22033.34	0.04
$2_0^5 3_0^1$		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	22317.54	-0.01
$4_{04} \leftarrow 5_{14}$	22320.79	-0.10
$3_{03} \leftarrow 4_{13}$	22323.94	-0.06
$2_{02} \leftarrow 3_{12}$	22326.83	-0.04
$1_{01} \leftarrow 2_{11}$	22329.51	-0.01
$0_{00} \leftarrow 1_{10}$	22331.93	0.01
$7_{07} \leftarrow 7_{17}$	22331.19	-0.05
$6_{06} \leftarrow 6_{16}$	22331.93	0.03
$5_{05} \leftarrow 5_{15}$	22332.57	0.04
$4_{04} \leftarrow 4_{14}$	22333.08	0.03
$3_{03} \leftarrow 3_{13}$	22333.51	0.04
$2_{02} \leftarrow 2_{12}$	22333.81	0.02
$1_{01} \leftarrow 1_{11}$	22334.01	0.01
$2_{02} \leftarrow 1_{10}$	22337.77	0.03
$3_{03} \leftarrow 2_{11}$	22339.22	0.01
$4_{04} \leftarrow 3_{12}$	22340.45	0.01
$5_{05} \leftarrow 4_{13}$	22341.44	0.00
$6_{06} \leftarrow 5_{14}$	22342.20	-0.01
$1_0^1 2_0^4$		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	22423.80	0.03
$4_{04} \leftarrow 5_{14}$	22427.08	0.03
$3_{03} \leftarrow 4_{13}$	22430.12	0.02
$2_{02} \leftarrow 3_{12}$	22432.94	0
$1_{01} \leftarrow 2_{11}$	22435.56	0
$0_{00} \leftarrow 1_{10}$	22437.98	0.02
$5_{05} \leftarrow 5_{15}$	22438.72	-0.03
$4_{04} \leftarrow 4_{14}$	22439.20	-0.01
$3_{03} \leftarrow 3_{13}$	22439.58	0
$2_{02} \leftarrow 2_{12}$	22439.86	0.01
$1_{01} \leftarrow 1_{11}$	22440.04	0
$2_{02} \leftarrow 1_{10}$	22443.81	0
$3_{03} \leftarrow 2_{11}$	22445.30	-0.02
$4_{04} \leftarrow 3_{12}$	22446.58	-0.02
$5_{05} \leftarrow 4_{13}$	22447.64	-0.03
$6_{06} \leftarrow 5_{14}$	22448.54	0.02
$7_{07} \leftarrow 6_{15}$	22449.06	-0.09
$8_{08} \leftarrow 7_{16}$	22449.64	0.07
2_0^7		
$K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	22596.45	0.04
$4_{04} \leftarrow 5_{14}$	22599.64	0.03
$3_{03} \leftarrow 4_{13}$	22602.62	0.01
$2_{02} \leftarrow 3_{12}$	22605.40	-0.01
$1_{01} \leftarrow 2_{11}$	22607.99	-0.01
$0_{00} \leftarrow 1_{10}$	22610.37	-0.01
$6_{06} \leftarrow 6_{16}$	22610.89	-0.05
$5_{05} \leftarrow 5_{15}$	22611.40	0
$4_{04} \leftarrow 4_{14}$	22611.77	0
$3_{03} \leftarrow 3_{13}$	22612.10	0.01
$2_{02} \leftarrow 2_{12}$	22612.30	-0.02
$1_{01} \leftarrow 1_{11}$	22612.44	-0.05

$2_{02} \leftarrow 1_{10}$	22616.30	0.02
$3_{03} \leftarrow 2_{11}$	22617.86	0.03
$4_{04} \leftarrow 3_{12}$	22619.18	0.01
$5_{05} \leftarrow 4_{13}$	22620.30	-0.01
$6_{06} \leftarrow 5_{14}$	22621.23	-0.01
$1_0^1 2_0^5$ $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	23155.75	-0.01
$5_{05} \leftarrow 6_{15}$	23159.21	-0.02
$4_{04} \leftarrow 5_{14}$	23162.51	0.01
$3_{03} \leftarrow 4_{13}$	23165.55	-0.01
$2_{02} \leftarrow 3_{12}$	23168.41	0.02
$1_{01} \leftarrow 2_{11}$	23171.02	0.01
$0_{00} \leftarrow 1_{10}$	23171.61	0.01
$9_{09} \leftarrow 9_{19}$	23172.33	-0.04
$8_{08} \leftarrow 8_{18}$	23173.41	0.00
$6_{06} \leftarrow 6_{16}$	23173.62	-0.07
$5_{05} \leftarrow 5_{15}$	23174.20	-0.02
$4_{04} \leftarrow 4_{14}$	23174.68	0.01
$3_{03} \leftarrow 3_{13}$	23175.05	0.02
$2_{02} \leftarrow 2_{12}$	23175.29	-0.02
$1_{01} \leftarrow 1_{11}$	23175.48	-0.01
$2_{02} \leftarrow 1_{10}$	23179.28	0.01
$3_{03} \leftarrow 2_{11}$	23180.80	0.02
$4_{04} \leftarrow 3_{12}$	23182.08	0.02
$5_{05} \leftarrow 4_{13}$	23183.11	-0.03
$6_{06} \leftarrow 5_{14}$	23183.99	0.01
$7_{07} \leftarrow 6_{15}$	23184.63	0.01
$8_{08} \leftarrow 7_{16}$	23185.12	0.07
2_0^8 $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	23310.03	-0.05
$5_{05} \leftarrow 6_{15}$	23323.44	-0.05
$4_{04} \leftarrow 5_{14}$	23326.72	0.02
$3_{03} \leftarrow 4_{13}$	23329.71	0
$2_{02} \leftarrow 3_{12}$	23332.52	0.01
$1_{01} \leftarrow 2_{11}$	23335.12	0.01
$0_{00} \leftarrow 1_{10}$	23337.52	0.02
$6_{06} \leftarrow 6_{16}$	23338.01	0
$5_{05} \leftarrow 5_{15}$	23338.47	-0.01
$4_{04} \leftarrow 4_{14}$	23338.92	0.05
$3_{03} \leftarrow 3_{13}$	23339.21	0.03
$2_{02} \leftarrow 2_{12}$	23339.39	-0.04
$1_{01} \leftarrow 1_{11}$	23339.54	-0.05
$2_{02} \leftarrow 1_{10}$	23343.38	-0.01
$3_{03} \leftarrow 2_{11}$	23344.94	0.02
$4_{04} \leftarrow 3_{12}$	23346.28	0.02
$5_{05} \leftarrow 4_{13}$	23347.35	-0.04
$6_{06} \leftarrow 5_{14}$	23348.31	0
$7_{07} \leftarrow 6_{15}$	23349.13	0.08
$8_{08} \leftarrow 7_{16}$	23349.58	-0.02
$1_0^1 2_0^6$ $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$6_{06} \leftarrow 7_{16}$	23882.23	-0.02
$5_{05} \leftarrow 6_{15}$	23885.73	-0.02
$4_{04} \leftarrow 5_{14}$	23889.03	-0.01
$3_{03} \leftarrow 4_{13}$	23892.09	-0.01
$2_{02} \leftarrow 3_{12}$	23894.94	-0.01
$1_{01} \leftarrow 2_{11}$	23897.57	0
$0_{00} \leftarrow 1_{10}$	23899.98	0.01
$5_{05} \leftarrow 5_{15}$	23900.78	0.04

$4_{04} \leftarrow 4_{14}$	23901.24	0.03
$3_{03} \leftarrow 3_{13}$	23901.58	0.00
$2_{02} \leftarrow 2_{12}$	23901.85	-0.01
$1_{01} \leftarrow 1_{11}$	23902.04	-0.01
$2_{02} \leftarrow 1_{10}$	23905.82	0.00
$3_{03} \leftarrow 2_{11}$	23907.32	0.00
$4_{04} \leftarrow 3_{12}$	23908.59	-0.01
$5_{05} \leftarrow 4_{13}$	23909.66	0.01
$6_{06} \leftarrow 5_{14}$	23910.50	0.01
$7_{07} \leftarrow 6_{15}$	23911.09	-0.01
2_0^9 $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$3_{03} \leftarrow 4_{13}$	24054.65	-0.06
$2_{02} \leftarrow 3_{12}$	24057.44	-0.04
$1_{01} \leftarrow 2_{11}$	24060.05	0.00
$0_{00} \leftarrow 1_{10}$	24062.46	0.04
$4_{04} \leftarrow 4_{14}$	24063.96	0.03
$3_{03} \leftarrow 3_{13}$	24064.21	0.02
$2_{02} \leftarrow 2_{12}$	24064.41	0.02
$1_{01} \leftarrow 1_{11}$	24064.55	0.02
$2_{02} \leftarrow 1_{10}$	24068.36	0.01
$3_{03} \leftarrow 2_{11}$	24069.90	-0.04
$4_{04} \leftarrow 3_{12}$	24071.29	-0.03
$5_{05} \leftarrow 4_{13}$	24072.54	0.03
$1_0^1 2_0^7$ $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$5_{05} \leftarrow 6_{15}$	24605.44	-0.15
$4_{04} \leftarrow 5_{14}$	24608.72	0.08
$3_{03} \leftarrow 4_{13}$	24611.75	0.23
$2_{02} \leftarrow 3_{12}$	24613.87	-0.36
$1_{01} \leftarrow 2_{11}$	24616.44	-0.33
$0_{00} \leftarrow 1_{10}$	24618.80	-0.32
$8_{08} \leftarrow 8_{18}$	24619.66	0.04
$4_{04} \leftarrow 4_{14}$	24620.86	0.05
$3_{03} \leftarrow 3_{13}$	24620.86	-0.14
$1_{01} \leftarrow 1_{11}$	24621.60	0.36
$2_{02} \leftarrow 1_{10}$	24625.51	0.40
$3_{03} \leftarrow 2_{11}$	24627.08	0.34
$4_{04} \leftarrow 3_{12}$	24628.27	0.07
$5_{05} \leftarrow 4_{13}$	24629.21	-0.27
$1_0^1 2_0^8$ $K_a' = 0 \leftarrow K_a'' = 1$ subband		
$3_{03} \leftarrow 4_{13}$	25327.40	0.02
$2_{02} \leftarrow 3_{12}$	25330.17	-0.05
$1_{01} \leftarrow 2_{11}$	25332.83	-0.01
$0_{00} \leftarrow 1_{10}$	25335.28	0.04
$4_{04} \leftarrow 4_{14}$	25336.61	0.11
$2_{02} \leftarrow 2_{12}$	25337.08	-0.06
$1_{01} \leftarrow 1_{11}$	25337.31	-0.01
$2_{02} \leftarrow 1_{10}$	25341.13	0.03
$3_{03} \leftarrow 2_{11}$	25342.63	0.03
$4_{04} \leftarrow 3_{12}$	25343.85	-0.04
$5_{05} \leftarrow 4_{13}$	25344.91	-0.05