Sum Frame Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.

Digits outside the grid indicate the sum of the first 3 digits in the corresponding direction.

	21	14	10	15	19	11	12	16	17	
21	7	9	5	2	8	1	3	6	4	13
10	6	1	3	4	5	7	2	9	8	19
14	8	4	2	9	6	3	7	1	5	13
9	2	3	4	8	1	6	5	7	9	21
16	1	7	8	5	9	4	6	2	3	11
20	5	6	9	7	3	2	4	8	1	13
12	3	8	1	6	2	5	9	4	7	20
15	4	5	6	1	7	9	8	3	2	13
18	9	2	7	3	4	8	1	5	6	12
	16	15	14	10	13	22	18	12	15	

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