International
Paralympic Committee

Heat Countermeasures for Tokyo 2020 Paralympic Games

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IPC Medical & Scientific Director

VISTA – September 2019

Para Athlete responsiveness to hot and humid environment

Temperature

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Heat-related issues and practical applications for Paralympic athletes at Tokyo 2020

Katy. E. Griggs, Ben.T. Stephenson, Michael. J. Price & Victoria. L. Goosey-Tolfrey

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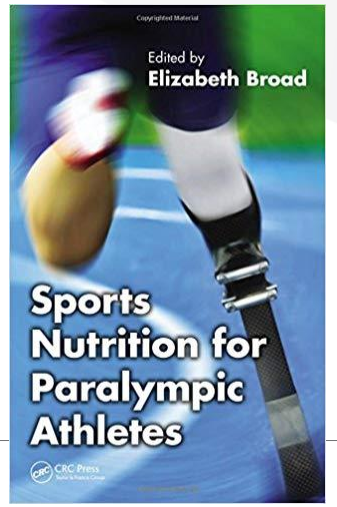

frontiers in Physiology

ORIGINAL RESEARCH
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Ambient Conditions Prior to Tokyo 2020 Olympic and Paralympic Games: Considerations for Acclimation or Acclimatization Strategies

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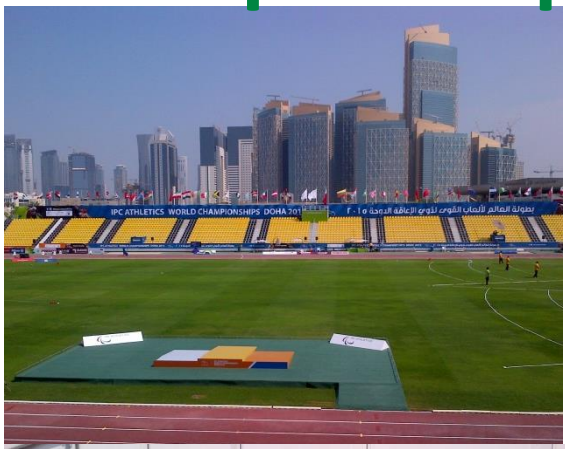
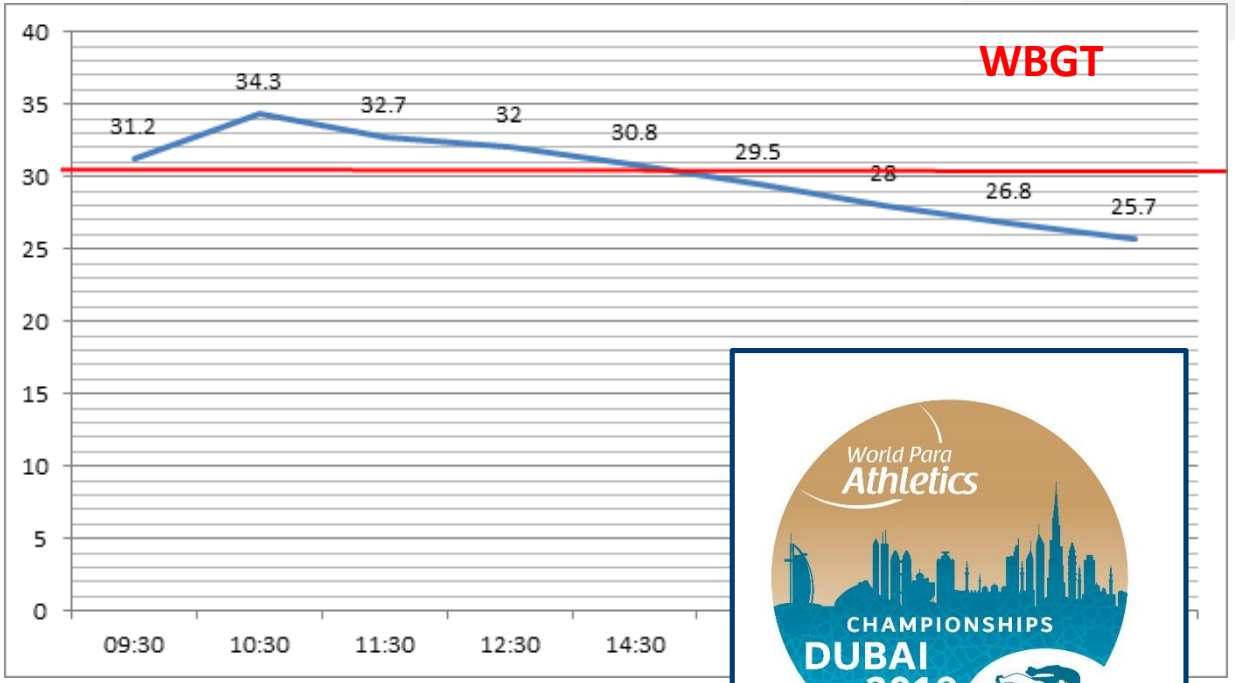
2015 World Para Athletics World Championships – Doha, Qatar





Wet Bulb Global Temperature (WBGT)

WBGT is calculated from:

- the dry (standard thermometer) temperature
- the wet-bulb temperature (which indicates the true capacity of the air to evaporate water according to its relative humidity and velocity)
- the solar radiation (globe temperature)

WBGT was initially developed for use in military personnel.

2015 World Para Athletics World Championships – Doha, Qatar

PM R xx (2019) 1-6

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Original Research

Illness at a Para Athletics Track and Field World Championships under Hot and Humid Ambient Conditions

WBGT (°C)	Non-Acclimatized, Unfit, High-Risk Individuals	Acclimatized, Individuals
>32.3	Cancel exercise.	Cancel exercise uncompensable heat stress exists for all athletes.
30.1-32.2	Cancel or stop practice and competition.	Limit intense exercise and total daily exposure to heat and humidity; watch for early signs and symptoms.
27.9-30.0	Increase the rest:work ratio to 1:1, decrease intensity and total duration of activity. Limit intense exercise. Watch at-risk individuals carefully.	Plan intense or prolonged exercise with discretion; watch at-risk individuals carefully.
25.7-27.8	Increase the rest:work ratio; decrease intensity and total duration of activity.	Normal activity. Monitor fluid intake.

1225 athletes – 46 illness reports – 2.89/1000 athlete-day

7 cases of heat stress, 4/7 referred to hospital for observation – discharge < 24h

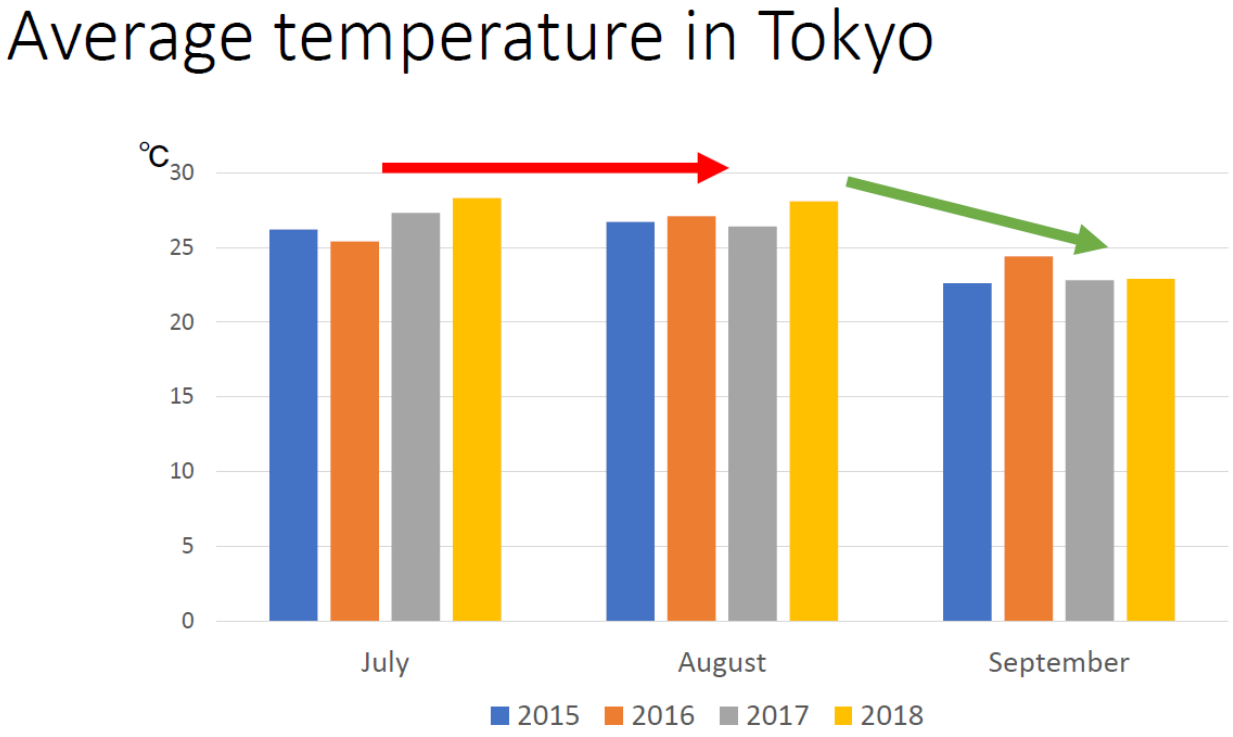
Sunburn – convulsion – heat exhaustion
Vital signs in normal range – 1 case of ↑ core temp
3 IV fluids / 4 oral hydration cool liquids

Games in Numbers (Paralympic)

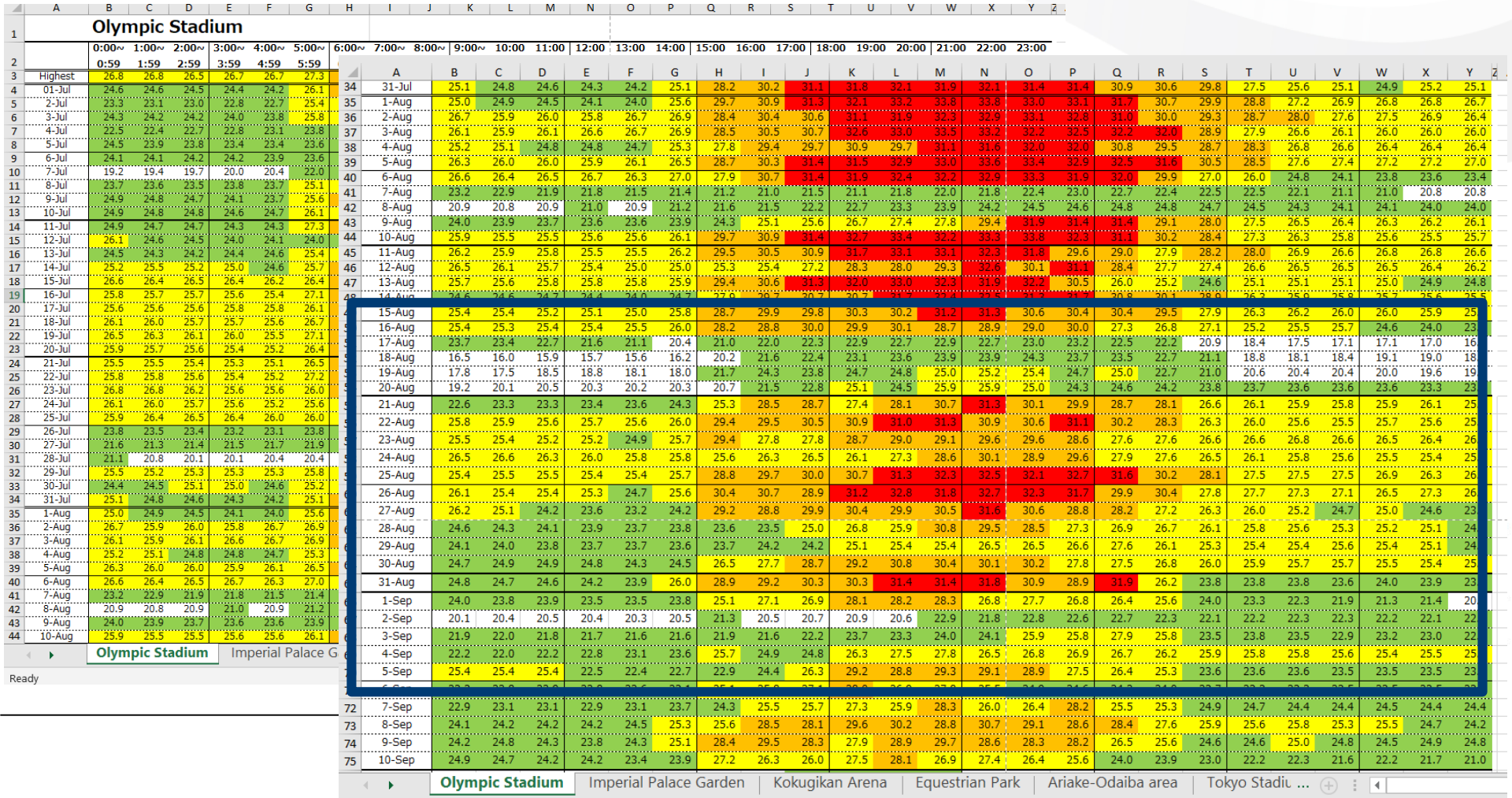
Games Period : 25 August to 6 September

13 Days	22 Sports	23 Disciplines
540 Events	21 Venues	4,400 Athletes

Tokyo 2020 Olympic and Paralympic Games



Tokyo 2020 Olympic and Paralympic Games



Olympic Stadium

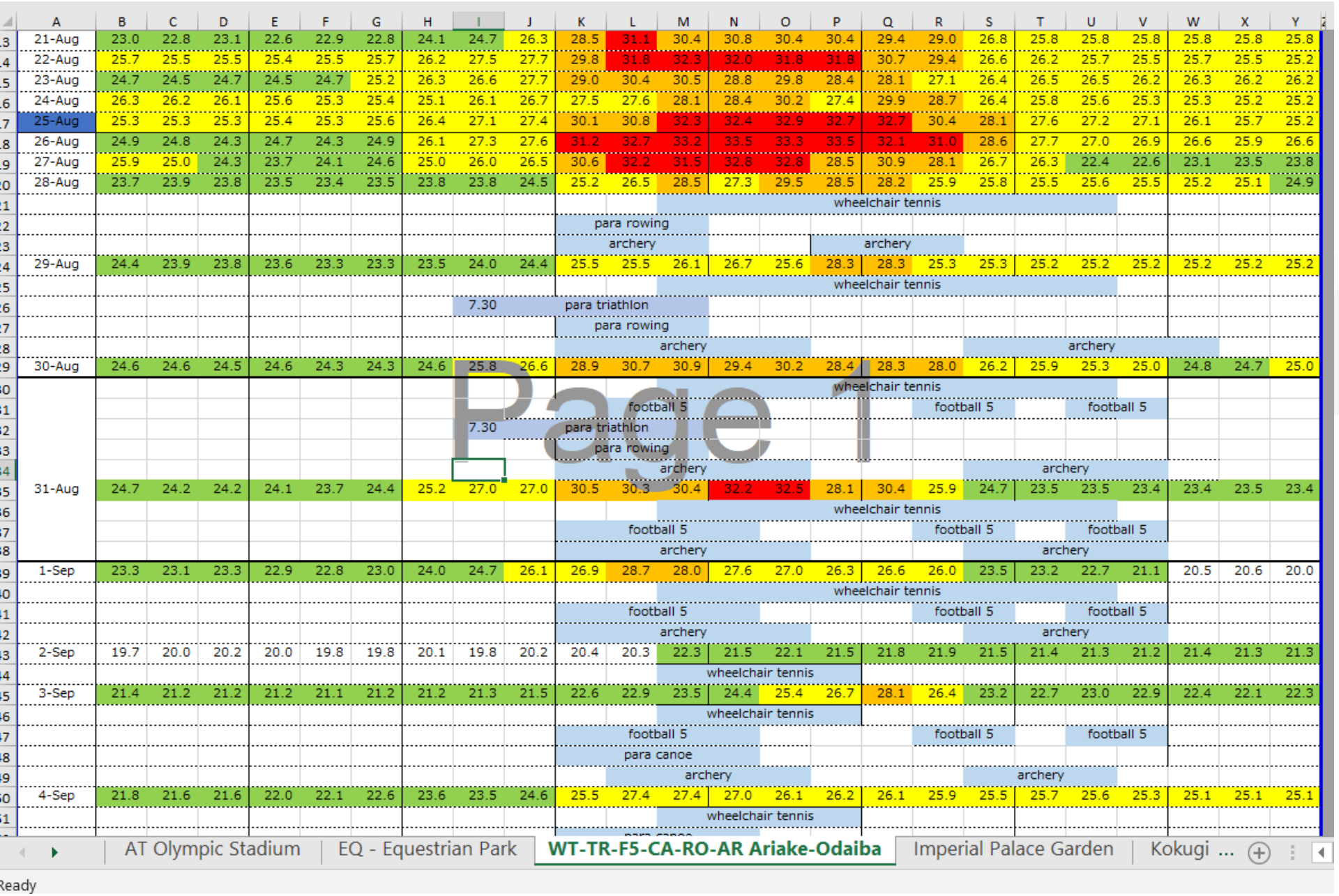
	0:00~ 0:59	1:00~ 1:59	2:00~ 2:59	3:00~ 3:59	4:00~ 4:59	5:00~ 5:59
Highest	26.8	26.8	26.5	26.7	26.7	27.3
01-Jul	24.6	24.6	24.5	24.4	24.2	26.1
2-Jul	23.3	23.1	23.0	22.8	22.7	25.4
3-Jul	24.3	24.2	24.2	24.0	23.8	25.8
4-Jul	22.5	22.4	22.7	22.8	23.1	23.8
5-Jul	24.5	23.9	23.8	23.4	23.4	23.6
6-Jul	24.1	24.1	24.2	24.2	23.9	23.6
7-Jul	19.2	19.4	19.7	20.0	20.4	22.0
8-Jul	23.7	23.6	23.5	23.8	23.7	25.1
9-Jul	24.9	24.8	24.7	24.1	23.7	25.6
10-Jul	24.9	24.8	24.8	24.6	24.7	26.1
11-Jul	24.9	24.7	24.7	24.3	24.3	27.3
12-Jul	26.1	24.6	24.5	24.0	24.1	24.0
13-Jul	24.5	24.3	24.2	24.4	24.6	25.4
14-Jul	25.2	25.5	25.2	25.0	24.6	25.7
15-Jul	26.6	26.4	26.5	26.4	26.2	26.4
16-Jul	25.8	25.7	25.7	25.6	25.4	27.1
17-Jul	25.6	25.6	25.6	25.8	25.8	26.1
18-Jul	26.1	26.0	25.7	25.7	25.6	26.7
19-Jul	26.5	26.3	26.1	26.0	25.5	27.1
20-Jul	25.9	25.7	25.6	25.4	25.2	26.4
21-Jul	25.5	25.5	25.4	25.3	25.1	26.5
22-Jul	25.8	25.8	25.6	25.4	25.2	27.2
23-Jul	26.8	26.8	26.2	25.6	25.6	26.0
24-Jul	26.1	26.0	25.7	25.6	25.2	25.6
25-Jul	25.9	26.4	26.5	26.4	26.0	26.0
26-Jul	23.8	23.5	23.4	23.2	23.1	23.8
27-Jul	21.6	21.3	21.4	21.5	21.7	21.9
28-Jul	21.1	20.8	20.1	20.1	20.4	20.4
29-Jul	25.5	25.2	25.3	25.3	25.3	25.8
30-Jul	24.4	24.5	25.1	25.0	24.6	25.2
31-Jul	25.1	24.8	24.6	24.3	24.2	25.1
1-Aug	25.0	24.9	24.5	24.1	24.0	25.6
2-Aug	26.7	25.9	26.0	25.8	26.7	26.9
3-Aug	26.1	25.9	26.1	26.6	26.7	26.9
4-Aug	25.2	25.1	24.8	24.8	24.7	25.3
5-Aug	26.3	26.0	26.0	25.9	26.1	26.5
6-Aug	26.6	26.4	26.5	26.7	26.3	27.0
7-Aug	23.2	22.9	21.9	21.8	21.5	21.4
8-Aug	20.9	20.8	20.9	21.0	20.9	21.2
9-Aug	24.0	23.9	23.7	23.6	23.6	23.9
10-Aug	25.9	25.5	25.5	25.6	25.6	26.1

Olympic Stadium | Imperial Palace G

Ready

	6:00~ 7:00	7:00~ 8:00	8:00~ 9:00	9:00~ 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00
31-Jul	25.1	24.8	24.6	24.3	24.2	25.1	28.2	30.2	31.1	31.8	32.1	31.9	32.1	31.4	31.4	30.9	30.6	29.8	27.5	25.6	25.1	24.9	25.2	25.1
1-Aug	25.0	24.9	24.5	24.1	24.0	25.6	29.7	30.9	31.3	32.1	33.2	33.8	33.8	33.0	33.1	31.7	30.7	29.9	28.8	27.2	26.9	26.8	26.8	26.7
2-Aug	26.7	25.9	26.0	25.8	26.7	26.9	28.4	30.4	30.6	31.1	31.9	32.3	32.9	33.1	32.8	31.0	30.0	29.3	28.7	28.0	27.6	27.5	26.9	26.4
3-Aug	26.1	25.9	26.1	26.6	26.7	26.9	28.5	30.5	30.7	32.6	33.0	33.5	33.2	32.2	32.5	32.2	32.0	28.9	27.9	26.6	26.1	26.0	26.0	26.0
4-Aug	25.2	25.1	24.8	24.8	24.7	25.3	27.8	29.4	29.7	30.9	29.7	31.1	31.6	32.0	32.0	30.8	29.5	28.7	28.3	26.8	26.6	26.4	26.4	26.4
5-Aug	26.3	26.0	26.0	25.9	26.1	26.5	28.7	30.3	31.4	31.5	32.9	33.0	33.6	33.4	32.9	32.5	31.6	30.5	28.5	27.6	27.4	27.2	27.2	27.0
6-Aug	26.6	26.4	26.5	26.7	26.3	27.0	27.9	30.7	31.4	31.9	32.4	32.2	32.9	33.3	31.9	32.0	29.9	27.0	26.0	24.8	24.1	23.8	23.6	23.4
7-Aug	23.2	22.9	21.9	21.8	21.5	21.4	21.2	21.0	21.5	21.1	21.8	22.0	21.8	22.4	23.0	22.7	22.4	22.5	22.5	22.1	21.1	21.0	20.8	20.8
8-Aug	20.9	20.8	20.9	21.0	20.9	21.2	21.6	21.5	22.2	22.7	23.3	23.9	24.2	24.5	24.6	24.8	24.8	24.7	24.5	24.3	24.1	24.1	24.0	24.0
9-Aug	24.0	23.9	23.7	23.6	23.6	23.9	24.3	25.1	25.6	26.7	27.4	27.8	29.4	31.9	31.4	31.4	29.1	28.0	27.5	26.5	26.4	26.3	26.2	26.1
10-Aug	25.9	25.5	25.5	25.6	25.6	26.1	29.7	30.9	31.4	32.7	33.4	32.2	33.3	33.8	32.3	31.1	30.2	28.4	27.3	26.3	25.8	25.6	25.5	25.7
11-Aug	26.2	25.9	25.8	25.5	25.5	26.2	29.5	30.5	30.9	31.7	33.1	33.1	32.3	31.8	29.6	29.0	27.9	28.2	28.0	26.9	26.6	26.8	26.8	26.6
12-Aug	26.5	26.1	25.7	25.4	25.0	25.0	25.3	25.4	27.2	28.3	28.0	29.3	32.8	30.1	31.1	28.4	27.7	27.4	26.6	26.5	26.5	26.5	26.4	26.2
13-Aug	25.7	25.6	25.8	25.8	25.8	25.9	29.4	30.6	31.3	32.0	33.0	32.3	31.9	32.2	30.5	26.0	25.2	24.6	25.1	25.1	25.1	25.0	24.9	24.8
14-Aug	24.6	24.6	24.7	24.4	24.0	24.7	27.9	29.7	29.7	30.7	31.7	32.4	32.5	31.3	31.7	30.8	30.1	28.9	26.3	25.9	25.8	25.7	25.6	25.5
15-Aug	25.4	25.4	25.2	25.1	25.0	25.8	28.7	29.9	29.8	30.3	30.2	31.2	31.3	30.6	30.4	30.4	29.5	27.9	26.3	26.2	26.0	26.0	25.9	25
16-Aug	25.4	25.3	25.4	25.4	25.5	26.0	28.2	28.8	30.0	29.9	30.1	28.7	28.9	29.0	30.0	27.3	26.8	27.1	25.2	25.5	25.7	24.6	24.0	23
17-Aug	23.7	23.4	22.7	21.6	21.1	20.4	21.0	22.0	22.3	22.9	22.7	22.9	22.7	23.0	23.2	22.5	22.2	20.9	18.4	17.5	17.1	17.1	17.0	16
18-Aug	16.5	16.0	15.9	15.7	15.6	16.2	20.2	21.6	22.4	23.1	23.6	23.9	23.9	24.3	23.7	23.5	22.7	21.1	18.8	18.1	18.4	19.1	19.0	18
19-Aug	17.8	17.5	18.5	18.8	18.1	18.0	21.7	24.3	23.8	24.7	24.8	25.0	25.2	25.4	24.7	25.0	22.7	21.0	20.6	20.4	20.4	20.0	19.6	19
20-Aug	19.2	20.1	20.5	20.3	20.2	20.3	20.7	21.5	22.8	25.1	24.5	25.9	25.9	25.0	24.3	24.6	24.2	23.8	23.7	23.6	23.6	23.6	23.3	23
21-Aug	22.6	23.3	23.3	23.4	23.6	24.3	25.3	28.5	28.7	27.4	28.1	30.7	31.3	30.1	29.9	28.7	28.1	26.6	26.1	25.9	25.8	25.9	26.1	25
22-Aug	25.8	25.9	25.6	25.7	25.6	26.0	29.4	29.5	30.5	30.9	31.0	31.3	30.9	30.6	31.1	30.2	28.3	26.3	26.0	25.6	25.5	25.7	25.6	25
23-Aug	25.5	25.4	25.2	25.2	24.9	25.7	29.4	27.8	27.8	28.7	29.0	29.1	29.6	29.6	28.6	27.6	27.6	26.6	26.6	26.8	26.6	26.5	26.4	26
24-Aug	26.5	26.6	26.3	26.0	25.8	25.8	25.6	26.3	26.5	26.1	27.3	28.6	30.1	28.9	29.6	27.9	27.6	26.5	26.1	25.8	25.6	25.5	25.4	25
25-Aug	25.4	25.5	25.5	25.4	25.4	25.7	28.8	29.7	30.0	30.7	31.3	32.3	32.5	32.1	32.7	31.6	30.2	28.1	27.5	27.5	27.5	26.9	26.3	26
26-Aug	26.1	25.4	25.4	25.3	24.7	25.6	30.4	30.7	28.9	31.2	32.8	31.8	32.7	32.3	31.7	29.9	30.4	27.8	27.7	27.3	27.1	26.5	27.3	26
27-Aug	26.2	25.1	24.2	23.6	23.2	24.2	29.2	28.8	29.9	30.4	29.9	30.5	31.6	30.6	28.8	28.2	27.2	26.3	26.0	25.2	24.7	25.0	24.6	23
28-Aug	24.6	24.3	24.1	23.9	23.7	23.8	23.6	23.5	25.0	26.8	25.9	30.8	29.5	28.5	27.3	26.9	26.7	26.1	25.8	25.6	25.3	25.2	25.1	24
29-Aug	24.1	24.0	23.8	23.7	23.7	23.6	23.7	24.2	24.2	25.1	25.4	25.4	26.5	26.5	26.6	27.6	26.1	25.3	25.4	25.4	25.6	25.4	25.1	24
30-Aug	24.7	24.9	24.9	24.8	24.3	24.5	26.5	27.7	28.7	29.2	30.8	30.4	30.1	30.2	27.8	27.5	26.8	26.0	25.9	25.7	25.7	25.5	25.4	25
31-Aug	24.8	24.7	24.6	24.2	23.9	26.0	28.9	29.2	30.3	30.3	31.4	31.4	31.8	30.9	28.9	31.9	26.2	23.8	23.8	23.8	23.6	24.0	23.9	23
1-Sep	24.0	23.8	23.9	23.5	23.5	23.8	25.1	27.1	26.9	28.1	28.2	28.3	26.8	27.7	26.8	26.4	25.6	24.0	23.3	22.3	21.9	21.3	21.4	20
2-Sep	20.1	20.4	20.5	20.4	20.3	20.5	21.3	20.5	20.7	20.9	20.6	22.9	21.8	22.8	22.6	22.7	22.3	22.1	22.2	22.3	22.3	22.2	22.1	22
3-Sep	21.9	22.0	21.8	21.7	21.6	21.6	21.9	21.6	22.2	23.7	23.3	24.0	24.1	25.9	25.8	27.9	25.8	23.5	23.8	23.5	22.9	23.2	23.0	22
4-Sep	22.2	22.0	22.2	22.8	23.1	23.6	25.7	24.9	24.8	26.3	27.5	27.8	26.5	26.8	26.9	26.7	26.2	25.9	25.8	25.8	25.6	25.4	25.5	25
5-Sep	25.4	25.4	25.4	22.5	22.4	22.7	22.9	24.4	26.3	29.2	28.8	29.3	29.1	28.9	27.5	26.4	25.3	23.6	23.6	23.6	23.5	23.5	23.5	23
7-Sep	22.9	23.1	23.1	22.9	23.1	23.7	24.3	25.5	25.7	27.3	25.9	28.3	26.0	26.4	28.2	25.5	25.3	24.9	24.7	24.4	24.4	24.5	24.4	24.4
8-Sep	24.1	24.2	24.2	24.2	24.5	25.3	25.6	28.5	28.1	29.6	30.2	28.8	30.7	29.1	28.6	28.4	27.6	25.9	25.6	25.8	25.3	25.5	24.7	24.2
9-Sep	24.2	24.8	24.3	23.8	24.3	25.1	28.4	29.5	28.3	27.9	28.9	29.7	28.6	28.3	28.2	26.5	25.6	24.6	24.6	25.0	24.8	24.5	24.9	24.8
10-Sep	24.9	24.7	24.2	24.2	23.4	23.9	27.2	26.3	26.0	27.5	28.1	26.9	27.4	26.4	25.6	24.0	23.9	23.0	22.2	22.3	21.6	22.2	21.7	21.0

Olympic Stadium | Imperial Palace Garden | Kokugikan Arena | Equestrian Park | Ariake-Odaiba area | Tokyo Stadiu ...



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
13	21-Aug	23.0	22.8	23.1	22.6	22.9	22.8	24.1	24.7	26.3	28.5	31.1	30.4	30.8	30.4	30.4	29.4	29.0	26.8	25.8	25.8	25.8	25.8	25.8	25.8
14	22-Aug	25.7	25.5	25.5	25.4	25.5	25.7	26.2	27.5	27.7	29.8	31.8	32.3	32.0	31.8	31.8	30.7	29.4	26.6	26.2	25.7	25.5	25.7	25.5	25.2
15	23-Aug	24.7	24.5	24.7	24.5	24.7	25.2	26.3	26.6	27.7	29.0	30.4	30.5	28.8	29.8	28.4	28.1	27.1	26.4	26.5	26.5	26.2	26.3	26.2	26.2
16	24-Aug	26.3	26.2	26.1	25.6	25.3	25.4	25.1	26.1	26.7	27.5	27.6	28.1	28.4	30.2	27.4	29.9	28.7	26.4	25.8	25.6	25.3	25.3	25.2	25.2
17	25-Aug	25.3	25.3	25.3	25.4	25.3	25.6	26.4	27.1	27.4	30.1	30.8	32.3	32.4	32.9	32.7	32.7	30.4	28.1	27.6	27.2	27.1	26.1	25.7	25.2
18	26-Aug	24.9	24.8	24.3	24.7	24.3	24.9	26.1	27.3	27.6	31.2	32.7	33.2	33.5	33.3	33.5	32.1	31.0	28.6	27.7	27.0	26.9	26.6	25.9	26.6
19	27-Aug	25.9	25.0	24.3	23.7	24.1	24.6	25.0	26.0	26.5	30.6	32.2	31.5	32.8	32.8	28.5	30.9	28.1	26.7	26.3	22.4	22.6	23.1	23.5	23.8
20	28-Aug	23.7	23.9	23.8	23.5	23.4	23.5	23.8	23.8	24.5	25.2	26.5	28.5	27.3	29.5	28.5	28.2	25.9	25.8	25.5	25.6	25.5	25.2	25.1	24.9
21													wheelchair tennis												
22											para rowing														
23											archery					archery									
24	29-Aug	24.4	23.9	23.8	23.6	23.3	23.3	23.5	24.0	24.4	25.5	25.5	26.1	26.7	25.6	28.3	28.3	25.3	25.3	25.2	25.2	25.2	25.2	25.2	25.2
25													wheelchair tennis												
26									7.30		para triathlon														
27											para rowing														
28											archery								archery						
29	30-Aug	24.6	24.6	24.5	24.6	24.3	24.3	24.6	25.8	26.6	28.9	30.7	30.9	29.4	30.2	28.4	28.3	28.0	26.2	25.9	25.3	25.0	24.8	24.7	25.0
30														wheelchair tennis											
31												football 5						football 5			football 5				
32									7.30		para triathlon														
33											para rowing														
34											archery								archery						
35	31-Aug	24.7	24.2	24.2	24.1	23.7	24.4	25.2	27.0	27.0	30.5	30.3	30.4	32.2	32.5	28.1	30.4	25.9	24.7	23.5	23.5	23.4	23.4	23.5	23.4
36													wheelchair tennis												
37											football 5							football 5			football 5				
38											archery								archery						
39	1-Sep	23.3	23.1	23.3	22.9	22.8	23.0	24.0	24.7	26.1	26.9	28.7	28.0	27.6	27.0	26.3	26.6	26.0	23.5	23.2	22.7	21.1	20.5	20.6	20.0
40													wheelchair tennis												
41											football 5							football 5			football 5				
42											archery								archery						
43	2-Sep	19.7	20.0	20.2	20.0	19.8	19.8	20.1	19.8	20.2	20.4	20.3	22.3	21.5	22.1	21.5	21.8	21.9	21.5	21.4	21.3	21.2	21.4	21.3	21.3
44													wheelchair tennis												
45	3-Sep	21.4	21.2	21.2	21.2	21.1	21.2	21.2	21.3	21.5	22.6	22.9	23.5	24.4	25.4	26.7	28.1	26.4	23.2	22.7	23.0	22.9	22.4	22.1	22.3
46													wheelchair tennis												
47											football 5							football 5			football 5				
48											para canoe														
49											archery								archery						
50	4-Sep	21.8	21.6	21.6	22.0	22.1	22.6	23.6	23.5	24.6	25.5	27.4	27.4	27.0	26.1	26.2	26.1	25.9	25.5	25.7	25.6	25.3	25.1	25.1	25.1
51													wheelchair tennis												

AT Olympic Stadium | EQ - Equestrian Park | **WT-TR-F5-CA-RO-AR Ariake-Odaiba** | Imperial Palace Garden | Kokugi ...

Ready

Archery - Athletics – Canoe - Cycling – Equestrian – Football 5 – Rowing – Triathlon - Wheelchair Tennis

International Para Sport Federations

- Planning Phase -> Competition Schedules
- IF Rules?
  - Provisions for Para athletes = provisions for Olympic athletes
  - ‘Recommendations’
  - No Provisions
- IF CMO Presence at Games?
- Education?

Education & Awareness

TOKYO 2020

TOKYO 2020
PARALYMPIC GAMES

PRESS RELEASE

Tokyo 2020 Proposes Heat Countermeasures

Local and national government agencies and other stakeholders to collaborate in promoting the comfort and safety of athletes, spectators, officials and volunteers.

Tokyo, 27 June 2019 – The Tokyo Organising Committee of the Olympic and Paralympic Games (Tokyo 2020) today published an overview of its plans to minimise the impact of heat on all those competing in, attending or working at the Tokyo 2020 Games. The aim of these measures is to prepare an environment in and around venues that will allow everyone to remain as cool and hydrated as possible.

https://www.paralympic.org/news/tokyo-2020-heat-countermeasures

1 Overview of Heat Countermeasures of Tokyo 2020《Summary》

	Spectators	Games Staff/ Volunteers	Athletes
Facilities Equipment Validation of deployment of shading facilities	・Tent ・Large cooling fans ・Rest area for those feeling unwell	・Dining area ・Rest area	・Athlete's Lounge ・Rest area
Supply of drinks Boosting supply of drinks	・Sale of drinks ・Consider bringing bottled water into venues (Under certain conditions) (TBD)	・Provision of drinks ・Sales of drinks ・Supply of water	・Provision of drinks
Preventive Operations Adequate breaks during work	・Proactive announcements ・Alerts during sport presentations ・Provision of paper fans for precautions ・Stress relief ・Flower lanes	・Adequate breaks during work ・Health-management book ・Sunglasses for security staff	・Competition schedule ・Discuss with IFs regarding the criteria for suspension or cancellation of competitions and additional hydration breaks. ・Ice for icing treatment
Rescue Operations First-aid treatment given to unwell persons	・Medical room ・Ambulance ・First responders on patrol ・Installation of first-aid station	・Medical room ・Ambulance	・Medical room for athletes ・Ambulance ・Icing treatment
Information Provision Provision of info to overseas visitors	・Games-time Website ・Mobile App ・CRM/Ticket Mail ・Spectator Guide ・Precautionary Leaflet	・Pre-games training	・Informing through IF/NF, NOC and NPC

Themes highlighted in orange need to be focused in consideration

Education & Awareness

Vista 2019 Healthy and Fit for Optimal Performance • **4-7 September**

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About VISTA 2019

Listen

Healthy and Fit for Optimal Performance

Amsterdam, the Netherlands will be hosting the ninth VISTA Conference from 4-7 September 2019. The Conference will take place at the Novotel Amsterdam City Hotel.

The theme of the Conference is "Healthy and Fit for Optimal Performance". The VISTA Conference, host
to provide a platform for
field of sport for athletes
knowledge in this area.

09:30 – 11:00 Calla 3	**#9 SYMPOSIUM – Beat the Heat**
	Speakers: Hein Daanen (Vrije Universiteit Amsterdam, NED), Liz Broad (US Paralympics, USA), Tatsuru Ibusuki (Japan Para Athletics and World Para Athletics, JPN), Peter van der Vliet (International Paralympic Comittee, GER) Chairperson: Prof. dr. Thomas Janssen

Education & Awareness

IOC WORLD CONFERENCE
PREVENTION OF INJURY & ILLNESS IN SPORT

CALL FOR PROPOSALS IS NOW OPEN

Submit your proposal on the website:
www.ioc-preventionconference.org

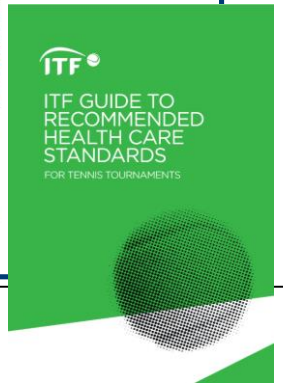
MONACO
12 - 14 MARCH 2020

KEYNOTE 3
13 MARCH - *14.30 - 15.15*

TROPICAL PARADISE OR DANGER ZONE? BEAT THE HEAT TO PROTECT ATHLETES IN A SWELTERING 2020 TOKYO

Sébastien RACINAIS
Qatar

Education & Awareness



Education & Awareness

- Athletes
- Athlete Support Personnel
- IF Officials / Workforce and Volunteers
- Guests – Friends and Family

Paralympic.org

Thank you